



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: 06/07/13 12:14
Report Date: 06/18/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3061235-01**
Sample Description: **Untreated Commingled TCLP Voa 10**

Collect Date: **06/06/13 12:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - TCLP - STL</u>					
1,1-Dichloroethene	< 200 ug/L		06/13/13 12:19	BP	SW 8260B*
1,2-Dichloroethane	< 200 ug/L		06/13/13 12:19	BP	SW 8260B*
1,4-Dichlorobenzene	< 200 ug/L		06/13/13 12:19	BP	SW 8260B*
2-Butanone	1700 ug/L	Q1	06/13/13 12:19	BP	SW 8260B*
Benzene	< 200 ug/L		06/13/13 12:19	BP	SW 8260B*
Carbon tetrachloride	< 200 ug/L		06/13/13 12:19	BP	SW 8260B*
Chlorobenzene	< 200 ug/L		06/13/13 12:19	BP	SW 8260B*
Chloroform	< 200 ug/L		06/13/13 12:19	BP	SW 8260B*
Tetrachloroethene	< 200 ug/L		06/13/13 12:19	BP	SW 8260B*
Trichloroethene	< 200 ug/L		06/13/13 12:19	BP	SW 8260B*
Vinyl chloride	< 200 ug/L		06/13/13 12:19	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	122 % 59.4-135		06/13/13 12:19	BP	SW 8260B
Surrogate: Toluene-d8	101 % 77.7-111		06/13/13 12:19	BP	SW 8260B
Surrogate: Bromofluorobenzene	110 % 74-125		06/13/13 12:19	BP	SW 8260B

Sample No: **3061235-02**
Sample Description: **Untreated Commingled TOC 10**

Collect Date: **06/06/13 12:40**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>General Chemistry - PIA</u>					
Total Organic Carbon (TOC)	16000 mg/L		06/12/13 17:10	Igtas	5310C KS,IL,IA,WI,AR

Sample No: **3061235-03**
Sample Description: **Untreated Commingled Solids 10**

Collect Date: **06/06/13 12:50**
Matrix: **Solid**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>General Chemistry - STL</u>					
Solids - total solids (TS)	5.1 %		06/10/13 11:00	ACV	SM 2540G 18Ed*

3061235



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Laboratory Results

Sample No: **3061235-04**

Collect Date: **06/06/13 12:57**

Sample Description: **Untreated Commingled Voa/Svoc 37**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
1,2,4-Trichlorobenzene	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
1,2-Dichlorobenzene	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
1,3-Dichlorobenzene	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
1,4-Dichlorobenzene	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
2,4,5-Trichlorophenol	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
2,4,6-Trichlorophenol	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
2,4-Dichlorophenol	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
2,4-Dimethylphenol	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
2,4-Dinitrophenol	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
2,4-Dinitrotoluene	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
2,6-Dimethylaniline	< 500 ug/L		06/15/13 01:43	jk	SW 8270C*
2,6-Dinitrotoluene	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
2-Chloronaphthalene	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
2-Chlorophenol	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
2-Methylnaphthalene	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
2-Methylphenol	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
2-Nitroaniline	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
2-Nitrophenol	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
3- & 4-Methylphenol	3000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
3,3'-Dichlorobenzidine	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
3-Nitroaniline	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
4,6-Dinitro-2-methylphenol	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
4-Bromophenylphenyl ether	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
4-Chloro-3-methylphenol	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
4-Chloroaniline	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
4-Chlorophenylphenyl ether	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
4-Nitroaniline	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
4-Nitrophenol	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
Acenaphthene	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
Acenaphthylene	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
Aniline	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
Anthracene	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
Azobenzene	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C*



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Date Received: 06/07/13 12:14
Report Date: 06/18/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3061235-04**

Collect Date: **06/06/13 12:57**

Sample Description: **Untreated Commingled Voa/Svoc 37**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
Benzidine	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C*
Benzo(a)anthracene	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
Benzo(a)pyrene	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
Benzo(b&k)fluoranthene	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
Benzo(b)fluoranthene	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
Benzo(g,h,i)perylene	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
Benzo(k)fluoranthene	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
Benzoic Acid	5930 ug/L		06/15/13 01:43	jk	SW 8270C*
Benzyl alcohol	1990 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
Bis(2-chloroethoxy) methane	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
Bis(2-chloroethyl) ether	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
Bis(2-chloroisopropyl) ether	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C*
Bis(2-ethylhexyl) phthalate	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
Butyl benzyl phthalate	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
Carbazole	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C*
Chrysene	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
Dibenzo(a,h)anthracene	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
Dibenzofuran	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
Diethyl phthalate	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
Dimethyl phthalate	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
Di-n-butyl phthalate	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
Di-n-octyl phthalate	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
Diphenylamine	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
Fluoranthene	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
Fluorene	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
Hexachlorobenzene	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
Hexachlorobutadiene	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
Hexachlorocyclopentadiene	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
Hexachloroethane	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
Indeno(1,2,3-cd)pyrene	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
Isophorone	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
Naphthalene	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
Nitrobenzene	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS



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Laboratory Results

Sample No: **3061235-04**

Collect Date: **06/06/13 12:57**

Sample Description: **Untreated Commingled Voa/Svoc 37**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
N-Nitrosodimethylamine	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
N-Nitrosodi-n-propylamine	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
Pentachlorophenol	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
Phenanthrene	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
Phenol	6540 ug/L	Xa	06/15/13 01:43	jk	SW 8270C 04KS
Pyrene	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
Pyridine	< 1000 ug/L		06/15/13 01:43	jk	SW 8270C 04KS
Surrogate: 2-Fluorophenol	74 % 10-35	S	06/15/13 01:43	jk	SW 8270C
Surrogate: Phenol- d5	58 % 10-26	S	06/15/13 01:43	jk	SW 8270C
Surrogate: Nitrobenzene-d5	62 % 22-105	S	06/15/13 01:43	jk	SW 8270C
Surrogate: 2-Fluorobiphenyl	51 % 30-97	S	06/15/13 01:43	jk	SW 8270C
Surrogate: 2,4,6-Tribromophenol	7 % 10-93	S	06/15/13 01:43	jk	SW 8270C
Surrogate: p-Terphenyl-d14	54 % 22-115	S	06/15/13 01:43	jk	SW 8270C
Volatile Organics - STL					
1,1,1,2-Tetrachloroethane	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
1,1,1-Trichloroethane	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
1,1,2,2-Tetrachloroethane	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 250 ug/L		06/12/13 15:34	BP	SW 8260B*
1,1,2-Trichloroethane	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
1,1-Dichloroethane	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
1,1-Dichloroethene	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
1,1-Dichloropropene	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
1,2,3-Trichlorobenzene	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
1,2,3-Trichloropropane	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
1,2,4-Trichlorobenzene	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
1,2,4-Trimethylbenzene	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
1,2-Dibromo-3-chloropropane	< 250 ug/L		06/12/13 15:34	BP	SW 8260B*
1,2-Dibromoethane	< 250 ug/L		06/12/13 15:34	BP	SW 8260B*
1,2-Dichloroethene- Total	< 500 ug/L		06/12/13 15:34	BP	SW 8260B*
1,2-Dichlorobenzene	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
1,2-Dichloroethane	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
1,2-Dichloropropane	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS



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Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3061235-04**

Collect Date: **06/06/13 12:57**

Sample Description: **Untreated Commingled Voa/Svoc 37**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
1,3,5-Trimethylbenzene	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
1,3-Dichlorobenzene	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
1,3-Dichloropropane	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
1,3-Dichloropropene - Total	< 500 ug/L		06/12/13 15:34	BP	SW 8260B*
1,4-Dichlorobenzene	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
1,4-Dioxane	< 1200 ug/L		06/12/13 15:34	BP	SW 8260B*
2,2-Dichloropropane	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
2-Butanone	36000 ug/L		06/12/13 13:39	BP	SW 8260B 04KS
2-Chloroethylvinyl ether	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
2-Chlorotoluene	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
2-Hexanone	830 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
2-Nitropropane	< 500 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
4-Chlorotoluene	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
4-Methyl-2-pentanone (MIBK)	820 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
Acetone	75000 ug/L		06/12/13 13:39	BP	SW 8260B 04KS
Acetonitrile	< 1200 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
Acrolein	< 1200 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
Acrylonitrile	< 500 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
Allyl Chloride	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
Benzene	310 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
Bromobenzene	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
Bromochloromethane	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
Bromodichloromethane	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
Bromoform	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
Bromomethane	< 500 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
Carbon disulfide	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
Carbon tetrachloride	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
Chlorobenzene	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
Chloroethane	< 500 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
Chloroform	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
Chloromethane	< 500 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
cis-1,2-Dichloroethene	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
cis-1,3-Dichloropropene	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS



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Laboratory Results

Sample No: **3061235-04**

Collect Date: **06/06/13 12:57**

Sample Description: **Untreated Commingled Voa/Svoc 37**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
Dibromochloromethane	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
Dibromomethane	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
Dichlorodifluoromethane	< 500 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
Ethyl methacrylate	< 250 ug/L		06/12/13 15:34	BP	SW 8260B*
Ethylbenzene	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
Hexachlorobutadiene	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
Iodomethane	< 500 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
Isobutanol	74000 ug/L		06/12/13 13:39	BP	SW 8260B*
Isopropylbenzene	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
m,p-Xylene	< 500 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
Methacrylonitrile	< 250 ug/L		06/12/13 15:34	BP	SW 8260B*
Methyl methacrylate	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
Methylene chloride	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
MTBE	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
Naphthalene	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
n-Butylbenzene	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
n-Propylbenzene	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
o-Xylene	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
p-Isopropyl toluene	250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
Propionitrile	< 500 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
sec-Butylbenzene	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
Styrene	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
tert-Butylbenzene	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
Tetrachloroethene	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
Toluene	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
trans-1,2-Dichloroethene	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
trans-1,3-Dichloropropene	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
trans-1,4-Dichloro-2-butene	< 250 ug/L		06/12/13 15:34	BP	SW 8260B*
Trichloroethene	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
Trichlorofluoromethane	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
Vinyl acetate	< 500 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
Vinyl chloride	< 250 ug/L		06/12/13 15:34	BP	SW 8260B 04KS
Xylenes- Total	< 750 ug/L		06/12/13 15:34	BP	SW 8260B*



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Laboratory Results

Sample No: **3061235-04**
Sample Description: **Untreated Commingled Voa/Svoc 37**

Collect Date: **06/06/13 12:57**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
Surrogate: 1,2-Dichloroethane-d4	108 % 65-134		06/12/13 15:34	BP	SW 8260B
Surrogate: Bromofluorobenzene	105 % 75.1-125		06/12/13 15:34	BP	SW 8260B
Surrogate: Toluene-d8	97 % 74.2-117		06/12/13 15:34	BP	SW 8260B

Sample No: **3061235-05**
Sample Description: **Untreated Commingled Voa/Svoc 38**

Collect Date: **06/06/13 13:08**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
1,2,4-Trichlorobenzene	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
1,2-Dichlorobenzene	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
1,3-Dichlorobenzene	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
1,4-Dichlorobenzene	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
2,4,5-Trichlorophenol	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
2,4,6-Trichlorophenol	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
2,4-Dichlorophenol	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
2,4-Dimethylphenol	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
2,4-Dinitrophenol	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
2,4-Dinitrotoluene	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
2,6-Dimethylaniline	< 500 ug/L		06/15/13 02:31	jk	SW 8270C*
2,6-Dinitrotoluene	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
2-Chloronaphthalene	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
2-Chlorophenol	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
2-Methylnaphthalene	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
2-Methylphenol	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
2-Nitroaniline	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
2-Nitrophenol	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
3- & 4-Methylphenol	1690 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
3,3'-Dichlorobenzidine	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
3-Nitroaniline	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
4,6-Dinitro-2-methylphenol	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
4-Bromophenylphenyl ether	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS



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

Date Received: 06/07/13 12:14
Report Date: 06/18/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3061235-05**

Collect Date: **06/06/13 13:08**

Sample Description: **Untreated Commingled Voa/Svoc 38**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
4-Chloro-3-methylphenol	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
4-Chloroaniline	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
4-Chlorophenylphenyl ether	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
4-Nitroaniline	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
4-Nitrophenol	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
Acenaphthene	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
Acenaphthylene	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
Aniline	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
Anthracene	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
Azobenzene	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C*
Benzidine	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C*
Benzo(a)anthracene	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
Benzo(a)pyrene	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
Benzo(b&k)fluoranthene	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
Benzo(b)fluoranthene	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
Benzo(g,h,i)perylene	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
Benzo(k)fluoranthene	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
Benzoic Acid	3520 ug/L		06/15/13 02:31	jk	SW 8270C*
Benzyl alcohol	1250 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
Bis(2-chloroethoxy) methane	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
Bis(2-chloroethyl) ether	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
Bis(2-chloroisopropyl) ether	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C*
Bis(2-ethylhexyl) phthalate	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
Butyl benzyl phthalate	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
Carbazole	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C*
Chrysene	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
Dibenzo(a,h)anthracene	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
Dibenzofuran	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
Diethyl phthalate	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
Dimethyl phthalate	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
Di-n-butyl phthalate	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
Di-n-octyl phthalate	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
Diphenylamine	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS



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

Date Received: 06/07/13 12:14
Report Date: 06/18/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3061235-05**

Collect Date: **06/06/13 13:08**

Sample Description: **Untreated Commingled Voa/Svoc 38**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
Fluoranthene	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
Fluorene	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
Hexachlorobenzene	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
Hexachlorobutadiene	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
Hexachlorocyclopentadiene	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
Hexachloroethane	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
Indeno(1,2,3-cd)pyrene	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
Isophorone	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
Naphthalene	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
Nitrobenzene	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
N-Nitrosodimethylamine	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
N-Nitrosodi-n-propylamine	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
Pentachlorophenol	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
Phenanthrene	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
Phenol	4130 ug/L	Xa	06/15/13 02:31	jk	SW 8270C 04KS
Pyrene	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
Pyridine	< 1000 ug/L		06/15/13 02:31	jk	SW 8270C 04KS
Surrogate: 2-Fluorophenol	34 % 10-35	S	06/15/13 02:31	jk	SW 8270C
Surrogate: Phenol- d5	27 % 10-26	S	06/15/13 02:31	jk	SW 8270C
Surrogate: Nitrobenzene-d5	43 % 22-105	S	06/15/13 02:31	jk	SW 8270C
Surrogate: 2-Fluorobiphenyl	23 % 30-97	S	06/15/13 02:31	jk	SW 8270C
Surrogate: 2,4,6-Tribromophenol	% 10-93	S	06/15/13 02:31	jk	SW 8270C
Surrogate: p-Terphenyl-d14	33 % 22-115	S	06/15/13 02:31	jk	SW 8270C
Volatile Organics - STL					
1,1,1,2-Tetrachloroethane	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
1,1,1-Trichloroethane	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
1,1,2,2-Tetrachloroethane	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 250 ug/L		06/12/13 16:03	BP	SW 8260B*
1,1,2-Trichloroethane	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
1,1-Dichloroethane	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
1,1-Dichloroethene	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
1,1-Dichloropropene	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS



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

Date Received: 06/07/13 12:14
Report Date: 06/18/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3061235-05**

Collect Date: **06/06/13 13:08**

Sample Description: **Untreated Commingled Voa/Svoc 38**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
1,2,3-Trichlorobenzene	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
1,2,3-Trichloropropane	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
1,2,4-Trichlorobenzene	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
1,2,4-Trimethylbenzene	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
1,2-Dibromo-3-chloropropane	< 250 ug/L		06/12/13 16:03	BP	SW 8260B*
1,2-Dibromoethane	< 250 ug/L		06/12/13 16:03	BP	SW 8260B*
1,2-Dichloroethene- Total	< 500 ug/L		06/12/13 16:03	BP	SW 8260B*
1,2-Dichlorobenzene	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
1,2-Dichloroethane	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
1,2-Dichloropropane	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
1,3,5-Trimethylbenzene	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
1,3-Dichlorobenzene	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
1,3-Dichloropropane	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
1,3-Dichloropropene - Total	< 500 ug/L		06/12/13 16:03	BP	SW 8260B*
1,4-Dichlorobenzene	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
1,4-Dioxane	< 1200 ug/L		06/12/13 16:03	BP	SW 8260B*
2,2-Dichloropropane	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
2-Butanone	42000 ug/L		06/12/13 14:08	BP	SW 8260B 04KS
2-Chloroethylvinyl ether	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
2-Chlorotoluene	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
2-Hexanone	700 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
2-Nitropropane	< 500 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
4-Chlorotoluene	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
4-Methyl-2-pentanone (MIBK)	750 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
Acetone	96000 ug/L		06/12/13 14:08	BP	SW 8260B 04KS
Acetonitrile	< 1200 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
Acrolein	< 1200 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
Acrylonitrile	< 500 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
Allyl Chloride	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
Benzene	380 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
Bromobenzene	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
Bromochloromethane	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
Bromodichloromethane	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS



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

Date Received: 06/07/13 12:14
Report Date: 06/18/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3061235-05**

Collect Date: **06/06/13 13:08**

Sample Description: **Untreated Commingled Voa/Svoc 38**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - STL</u>					
Bromoform	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
Bromomethane	< 500 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
Carbon disulfide	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
Carbon tetrachloride	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
Chlorobenzene	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
Chloroethane	< 500 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
Chloroform	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
Chloromethane	< 500 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
cis-1,2-Dichloroethene	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
cis-1,3-Dichloropropene	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
Dibromochloromethane	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
Dibromomethane	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
Dichlorodifluoromethane	< 500 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
Ethyl methacrylate	< 250 ug/L		06/12/13 16:03	BP	SW 8260B*
Ethylbenzene	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
Hexachlorobutadiene	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
Iodomethane	< 500 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
Isobutanol	78000 ug/L		06/12/13 14:08	BP	SW 8260B*
Isopropylbenzene	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
m,p-Xylene	< 500 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
Methacrylonitrile	< 250 ug/L		06/12/13 16:03	BP	SW 8260B*
Methyl methacrylate	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
Methylene chloride	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
MTBE	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
Naphthalene	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
n-Butylbenzene	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
n-Propylbenzene	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
o-Xylene	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
p-Isopropyl toluene	250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
Propionitrile	< 500 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
sec-Butylbenzene	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
Styrene	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
tert-Butylbenzene	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS



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

Date Received: 06/07/13 12:14
Report Date: 06/18/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3061235-05**

Sample Description: **Untreated Commingled Voa/Svoc 38**

Collect Date: **06/06/13 13:08**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - STL</u>					
Tetrachloroethene	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
Toluene	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
trans-1,2-Dichloroethene	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
trans-1,3-Dichloropropene	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
trans-1,4-Dichloro-2-butene	< 250 ug/L		06/12/13 16:03	BP	SW 8260B*
Trichloroethene	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
Trichlorofluoromethane	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
Vinyl acetate	< 500 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
Vinyl chloride	< 250 ug/L		06/12/13 16:03	BP	SW 8260B 04KS
Xylenes- Total	< 750 ug/L		06/12/13 16:03	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	112 % 65-134		06/12/13 16:03	BP	SW 8260B
Surrogate: Bromofluorobenzene	99 % 75.1-125		06/12/13 16:03	BP	SW 8260B
Surrogate: Toluene-d8	98 % 74.2-117		06/12/13 16:03	BP	SW 8260B

Sample No: **3061235-06**

Sample Description: **Untreated Commingled Voa/Svoc 39**

Collect Date: **06/06/13 13:19**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Semivolatile Organics - STL</u>					
1,2,4-Trichlorobenzene	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
1,2-Dichlorobenzene	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
1,3-Dichlorobenzene	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
1,4-Dichlorobenzene	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
2,4,5-Trichlorophenol	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
2,4,6-Trichlorophenol	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
2,4-Dichlorophenol	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
2,4-Dimethylphenol	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
2,4-Dinitrophenol	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
2,4-Dinitrotoluene	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
2,6-Dimethylaniline	< 500 ug/L		06/15/13 03:18	jk	SW 8270C*
2,6-Dinitrotoluene	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
2-Chloronaphthalene	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS

3061235



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

Date Received: 06/07/13 12:14
Report Date: 06/18/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3061235-06**

Collect Date: **06/06/13 13:19**

Sample Description: **Untreated Commingled Voa/Svoc 39**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
2-Chlorophenol	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
2-Methylnaphthalene	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
2-Methylphenol	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
2-Nitroaniline	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
2-Nitrophenol	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
3- & 4-Methylphenol	1550 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
3,3'-Dichlorobenzidine	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
3-Nitroaniline	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
4,6-Dinitro-2-methylphenol	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
4-Bromophenylphenyl ether	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
4-Chloro-3-methylphenol	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
4-Chloroaniline	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
4-Chlorophenylphenyl ether	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
4-Nitroaniline	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
4-Nitrophenol	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
Acenaphthene	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
Acenaphthylene	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
Aniline	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
Anthracene	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
Azobenzene	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C*
Benzidine	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C*
Benzo(a)anthracene	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
Benzo(a)pyrene	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
Benzo(b&k)fluoranthene	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
Benzo(b)fluoranthene	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
Benzo(g,h,i)perylene	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
Benzo(k)fluoranthene	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
Benzoic Acid	3380 ug/L		06/15/13 03:18	jk	SW 8270C*
Benzyl alcohol	1100 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
Bis(2-chloroethoxy) methane	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
Bis(2-chloroethyl) ether	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
Bis(2-chloroisopropyl) ether	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C*
Bis(2-ethylhexyl) phthalate	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS



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

Date Received: 06/07/13 12:14
Report Date: 06/18/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3061235-06**

Collect Date: **06/06/13 13:19**

Sample Description: **Untreated Commingled Voa/Svoc 39**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
Butyl benzyl phthalate	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
Carbazole	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C*
Chrysene	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
Dibenzo(a,h)anthracene	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
Dibenzofuran	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
Diethyl phthalate	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
Dimethyl phthalate	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
Di-n-butyl phthalate	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
Di-n-octyl phthalate	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
Diphenylamine	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
Fluoranthene	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
Fluorene	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
Hexachlorobenzene	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
Hexachlorobutadiene	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
Hexachlorocyclopentadiene	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
Hexachloroethane	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
Indeno(1,2,3-cd)pyrene	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
Isophorone	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
Naphthalene	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
Nitrobenzene	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
N-Nitrosodimethylamine	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
N-Nitrosodi-n-propylamine	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
Pentachlorophenol	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
Phenanthrene	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
Phenol	3820 ug/L	Xa	06/15/13 03:18	jk	SW 8270C 04KS
Pyrene	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
Pyridine	< 1000 ug/L		06/15/13 03:18	jk	SW 8270C 04KS
Surrogate: 2-Fluorophenol	33 % 10-35	S	06/15/13 03:18	jk	SW 8270C
Surrogate: Phenol- d5	112 % 10-26	S	06/15/13 03:18	jk	SW 8270C
Surrogate: Nitrobenzene-d5	42 % 22-105	S	06/15/13 03:18	jk	SW 8270C
Surrogate: 2-Fluorobiphenyl	16 % 30-97	S	06/15/13 03:18	jk	SW 8270C
Surrogate: 2,4,6-Tribromophenol	% 10-93	S	06/15/13 03:18	jk	SW 8270C
Surrogate: p-Terphenyl-d14	21 % 22-115	S	06/15/13 03:18	jk	SW 8270C



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

Date Received: 06/07/13 12:14
Report Date: 06/18/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3061235-06**

Collect Date: **06/06/13 13:19**

Sample Description: **Untreated Commingled Voa/Svoc 39**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
1,1,1,2-Tetrachloroethane	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
1,1,1-Trichloroethane	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
1,1,2,2-Tetrachloroethane	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 250 ug/L		06/12/13 16:32	BP	SW 8260B*
1,1,2-Trichloroethane	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
1,1-Dichloroethane	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
1,1-Dichloroethene	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
1,1-Dichloropropene	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
1,2,3-Trichlorobenzene	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
1,2,3-Trichloropropane	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
1,2,4-Trichlorobenzene	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
1,2,4-Trimethylbenzene	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
1,2-Dibromo-3-chloropropane	< 250 ug/L		06/12/13 16:32	BP	SW 8260B*
1,2-Dibromoethane	< 250 ug/L		06/12/13 16:32	BP	SW 8260B*
1,2-Dichloroethene- Total	< 500 ug/L		06/12/13 16:32	BP	SW 8260B*
1,2-Dichlorobenzene	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
1,2-Dichloroethane	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
1,2-Dichloropropane	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
1,3,5-Trimethylbenzene	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
1,3-Dichlorobenzene	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
1,3-Dichloropropane	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
1,3-Dichloropropene - Total	< 500 ug/L		06/12/13 16:32	BP	SW 8260B*
1,4-Dichlorobenzene	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
1,4-Dioxane	< 1200 ug/L		06/12/13 16:32	BP	SW 8260B*
2,2-Dichloropropane	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
2-Butanone	39000 ug/L		06/12/13 14:37	BP	SW 8260B 04KS
2-Chloroethylvinyl ether	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
2-Chlorotoluene	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
2-Hexanone	770 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
2-Nitropropane	< 500 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
4-Chlorotoluene	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
4-Methyl-2-pentanone (MIBK)	790 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
Acetone	79000 ug/L		06/12/13 14:37	BP	SW 8260B 04KS



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

Date Received: 06/07/13 12:14
Report Date: 06/18/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3061235-06**

Collect Date: **06/06/13 13:19**

Sample Description: **Untreated Commingled Voa/Svoc 39**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - STL</u>					
Acetonitrile	< 1200 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
Acrolein	< 1200 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
Acrylonitrile	< 500 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
Allyl Chloride	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
Benzene	360 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
Bromobenzene	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
Bromochloromethane	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
Bromodichloromethane	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
Bromoform	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
Bromomethane	< 500 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
Carbon disulfide	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
Carbon tetrachloride	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
Chlorobenzene	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
Chloroethane	< 500 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
Chloroform	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
Chloromethane	< 500 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
cis-1,2-Dichloroethene	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
cis-1,3-Dichloropropene	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
Dibromochloromethane	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
Dibromomethane	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
Dichlorodifluoromethane	< 500 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
Ethyl methacrylate	< 250 ug/L		06/12/13 16:32	BP	SW 8260B*
Ethylbenzene	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
Hexachlorobutadiene	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
Iodomethane	< 500 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
Isobutanol	79000 ug/L		06/12/13 14:37	BP	SW 8260B*
Isopropylbenzene	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
m,p-Xylene	< 500 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
Methacrylonitrile	< 250 ug/L		06/12/13 16:32	BP	SW 8260B*
Methyl methacrylate	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
Methylene chloride	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
MTBE	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
Naphthalene	250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS



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

Date Received: 06/07/13 12:14
Report Date: 06/18/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3061235-06**

Collect Date: **06/06/13 13:19**

Sample Description: **Untreated Commingled Voa/Svoc 39**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - STL</u>					
n-Butylbenzene	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
n-Propylbenzene	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
o-Xylene	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
p-Isopropyl toluene	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
Propionitrile	< 500 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
sec-Butylbenzene	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
Styrene	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
tert-Butylbenzene	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
Tetrachloroethene	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
Toluene	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
trans-1,2-Dichloroethene	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
trans-1,3-Dichloropropene	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
trans-1,4-Dichloro-2-butene	< 250 ug/L		06/12/13 16:32	BP	SW 8260B*
Trichloroethene	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
Trichlorofluoromethane	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
Vinyl acetate	< 500 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
Vinyl chloride	< 250 ug/L		06/12/13 16:32	BP	SW 8260B 04KS
Xylenes- Total	< 750 ug/L		06/12/13 16:32	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	106 % 65-134		06/12/13 16:32	BP	SW 8260B
Surrogate: Bromofluorobenzene	105 % 75.1-125		06/12/13 16:32	BP	SW 8260B
Surrogate: Toluene-d8	97 % 74.2-117		06/12/13 16:32	BP	SW 8260B

Sample No: **3061235-07**

Collect Date: **06/06/13 13:30**

Sample Description: **Untreated Commingled Voa/Svoc 40**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Semivolatile Organics - STL</u>					
1,2,4-Trichlorobenzene	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
1,2-Dichlorobenzene	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
1,3-Dichlorobenzene	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
1,4-Dichlorobenzene	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
2,4,5-Trichlorophenol	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS

3061235



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

Date Received: 06/07/13 12:14
Report Date: 06/18/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3061235-07**

Collect Date: **06/06/13 13:30**

Sample Description: **Untreated Commingled Voa/Svoc 40**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
2,4,6-Trichlorophenol	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
2,4-Dichlorophenol	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
2,4-Dimethylphenol	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
2,4-Dinitrophenol	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
2,4-Dinitrotoluene	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
2,6-Dimethylaniline	< 500 ug/L		06/15/13 04:06	jk	SW 8270C*
2,6-Dinitrotoluene	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
2-Chloronaphthalene	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
2-Chlorophenol	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
2-Methylnaphthalene	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
2-Methylphenol	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
2-Nitroaniline	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
2-Nitrophenol	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
3- & 4-Methylphenol	2070 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
3,3'-Dichlorobenzidine	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
3-Nitroaniline	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
4,6-Dinitro-2-methylphenol	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
4-Bromophenylphenyl ether	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
4-Chloro-3-methylphenol	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
4-Chloroaniline	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
4-Chlorophenylphenyl ether	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
4-Nitroaniline	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
4-Nitrophenol	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
Acenaphthene	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
Acenaphthylene	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
Aniline	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
Anthracene	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
Azobenzene	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C*
Benzidine	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C*
Benzo(a)anthracene	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
Benzo(a)pyrene	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
Benzo(b&k)fluoranthene	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
Benzo(b)fluoranthene	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS



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

Date Received: 06/07/13 12:14
Report Date: 06/18/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3061235-07**

Collect Date: **06/06/13 13:30**

Sample Description: **Untreated Commingled Voa/Svoc 40**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
Benzo(g,h,i)perylene	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
Benzo(k)fluoranthene	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
Benzoic Acid	3530 ug/L		06/15/13 04:06	jk	SW 8270C*
Benzyl alcohol	1550 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
Bis(2-chloroethoxy) methane	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
Bis(2-chloroethyl) ether	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
Bis(2-chloroisopropyl) ether	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C*
Bis(2-ethylhexyl) phthalate	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
Butyl benzyl phthalate	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
Carbazole	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C*
Chrysene	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
Dibenzo(a,h)anthracene	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
Dibenzofuran	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
Diethyl phthalate	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
Dimethyl phthalate	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
Di-n-butyl phthalate	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
Di-n-octyl phthalate	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
Diphenylamine	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
Fluoranthene	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
Fluorene	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
Hexachlorobenzene	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
Hexachlorobutadiene	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
Hexachlorocyclopentadiene	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
Hexachloroethane	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
Indeno(1,2,3-cd)pyrene	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
Isophorone	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
Naphthalene	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
Nitrobenzene	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
N-Nitrosodimethylamine	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
N-Nitrosodi-n-propylamine	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
Pentachlorophenol	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
Phenanthrene	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
Phenol	4560 ug/L	Xa	06/15/13 04:06	jk	SW 8270C 04KS



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

Date Received: 06/07/13 12:14
Report Date: 06/18/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3061235-07**

Collect Date: **06/06/13 13:30**

Sample Description: **Untreated Commingled Voa/Svoc 40**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
Pyrene	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
Pyridine	< 1000 ug/L		06/15/13 04:06	jk	SW 8270C 04KS
Surrogate: 2-Fluorophenol	36 % 10-35	S	06/15/13 04:06	jk	SW 8270C
Surrogate: Phenol- d5	148 % 10-26	S	06/15/13 04:06	jk	SW 8270C
Surrogate: Nitrobenzene-d5	52 % 22-105	S	06/15/13 04:06	jk	SW 8270C
Surrogate: 2-Fluorobiphenyl	24 % 30-97	S	06/15/13 04:06	jk	SW 8270C
Surrogate: 2,4,6-Tribromophenol	% 10-93	S	06/15/13 04:06	jk	SW 8270C
Surrogate: p-Terphenyl-d14	35 % 22-115	S	06/15/13 04:06	jk	SW 8270C
Volatile Organics - STL					
1,1,1,2-Tetrachloroethane	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
1,1,1-Trichloroethane	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
1,1,2,2-Tetrachloroethane	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 250 ug/L		06/12/13 17:00	BP	SW 8260B*
1,1,2-Trichloroethane	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
1,1-Dichloroethane	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
1,1-Dichloroethene	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
1,1-Dichloropropene	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
1,2,3-Trichlorobenzene	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
1,2,3-Trichloropropane	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
1,2,4-Trichlorobenzene	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
1,2,4-Trimethylbenzene	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
1,2-Dibromo-3-chloropropane	< 250 ug/L		06/12/13 17:00	BP	SW 8260B*
1,2-Dibromoethane	< 250 ug/L		06/12/13 17:00	BP	SW 8260B*
1,2-Dichloroethene- Total	< 500 ug/L		06/12/13 17:00	BP	SW 8260B*
1,2-Dichlorobenzene	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
1,2-Dichloroethane	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
1,2-Dichloropropane	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
1,3,5-Trimethylbenzene	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
1,3-Dichlorobenzene	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
1,3-Dichloropropane	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
1,3-Dichloropropene - Total	< 500 ug/L		06/12/13 17:00	BP	SW 8260B*
1,4-Dichlorobenzene	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS



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

Date Received: 06/07/13 12:14
Report Date: 06/18/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3061235-07**

Collect Date: **06/06/13 13:30**

Sample Description: **Untreated Commingled Voa/Svoc 40**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
1,4-Dioxane	< 1200 ug/L		06/12/13 17:00	BP	SW 8260B*
2,2-Dichloropropane	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
2-Butanone	45000 ug/L		06/12/13 15:06	BP	SW 8260B 04KS
2-Chloroethylvinyl ether	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
2-Chlorotoluene	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
2-Hexanone	780 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
2-Nitropropane	< 500 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
4-Chlorotoluene	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
4-Methyl-2-pentanone (MIBK)	800 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
Acetone	95000 ug/L		06/12/13 15:06	BP	SW 8260B 04KS
Acetonitrile	< 1200 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
Acrolein	< 1200 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
Acrylonitrile	< 500 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
Allyl Chloride	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
Benzene	390 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
Bromobenzene	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
Bromochloromethane	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
Bromodichloromethane	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
Bromoform	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
Bromomethane	< 500 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
Carbon disulfide	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
Carbon tetrachloride	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
Chlorobenzene	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
Chloroethane	< 500 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
Chloroform	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
Chloromethane	< 500 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
cis-1,2-Dichloroethene	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
cis-1,3-Dichloropropene	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
Dibromochloromethane	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
Dibromomethane	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
Dichlorodifluoromethane	< 500 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
Ethyl methacrylate	< 250 ug/L		06/12/13 17:00	BP	SW 8260B*
Ethylbenzene	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS



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St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 06/07/13 12:14
Report Date: 06/18/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3061235-07**

Collect Date: **06/06/13 13:30**

Sample Description: **Untreated Commingled Voa/Svoc 40**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
Hexachlorobutadiene	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
Iodomethane	< 500 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
Isobutanol	78000 ug/L		06/12/13 15:06	BP	SW 8260B*
Isopropylbenzene	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
m,p-Xylene	< 500 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
Methacrylonitrile	< 250 ug/L		06/12/13 17:00	BP	SW 8260B*
Methyl methacrylate	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
Methylene chloride	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
MTBE	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
Naphthalene	250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
n-Butylbenzene	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
n-Propylbenzene	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
o-Xylene	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
p-Isopropyl toluene	270 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
Propionitrile	< 500 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
sec-Butylbenzene	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
Styrene	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
tert-Butylbenzene	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
Tetrachloroethene	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
Toluene	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
trans-1,2-Dichloroethene	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
trans-1,3-Dichloropropene	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
trans-1,4-Dichloro-2-butene	< 250 ug/L		06/12/13 17:00	BP	SW 8260B*
Trichloroethene	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
Trichlorofluoromethane	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
Vinyl acetate	< 500 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
Vinyl chloride	< 250 ug/L		06/12/13 17:00	BP	SW 8260B 04KS
Xylenes- Total	< 750 ug/L		06/12/13 17:00	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	114 % 65-134		06/12/13 17:00	BP	SW 8260B
Surrogate: Bromofluorobenzene	105 % 75.1-125		06/12/13 17:00	BP	SW 8260B
Surrogate: Toluene-d8	99 % 74.2-117		06/12/13 17:00	BP	SW 8260B



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St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 06/07/13 12:14
Report Date: 06/18/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3061235-08**
Sample Description: **Trip Blank**

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

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
1,1,1,2-Tetrachloroethane	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
1,1,1-Trichloroethane	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
1,1,2,2-Tetrachloroethane	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B*
1,1,2-Trichloroethane	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
1,1-Dichloroethane	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
1,1-Dichloroethene	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
1,1-Dichloropropene	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
1,2,3-Trichlorobenzene	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
1,2,3-Trichloropropane	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
1,2,4-Trichlorobenzene	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
1,2,4-Trimethylbenzene	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
1,2-Dibromo-3-chloropropane	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B*
1,2-Dibromoethane	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B*
1,2-Dichloroethene- Total	< 10 ug/L		06/12/13 13:10	BP	SW 8260B*
1,2-Dichlorobenzene	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
1,2-Dichloroethane	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
1,2-Dichloropropane	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
1,3,5-Trimethylbenzene	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
1,3-Dichlorobenzene	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
1,3-Dichloropropane	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
1,3-Dichloropropene - Total	< 10 ug/L		06/12/13 13:10	BP	SW 8260B*
1,4-Dichlorobenzene	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
1,4-Dioxane	< 25 ug/L		06/12/13 13:10	BP	SW 8260B*
2,2-Dichloropropane	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
2-Butanone	< 10 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
2-Chloroethylvinyl ether	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
2-Chlorotoluene	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
2-Hexanone	< 10 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
2-Nitropropane	< 10 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
4-Chlorotoluene	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
4-Methyl-2-pentanone (MIBK)	< 10 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
Acetone	< 10 ug/L		06/12/13 13:10	BP	SW 8260B 04KS



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Attn: Ed Galbraith

Date Received: 06/07/13 12:14
Report Date: 06/18/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3061235-08**
Sample Description: **Trip Blank**

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

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - STL</u>					
Acetonitrile	< 25 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
Acrolein	< 25 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
Acrylonitrile	< 10 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
Allyl Chloride	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
Benzene	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
Bromobenzene	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
Bromochloromethane	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
Bromodichloromethane	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
Bromoform	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
Bromomethane	< 10 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
Carbon disulfide	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
Carbon tetrachloride	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
Chlorobenzene	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
Chloroethane	< 10 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
Chloroform	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
Chloromethane	< 10 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
cis-1,2-Dichloroethene	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
cis-1,3-Dichloropropene	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
Dibromochloromethane	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
Dibromomethane	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
Dichlorodifluoromethane	< 10 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
Ethyl methacrylate	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B*
Ethylbenzene	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
Hexachlorobutadiene	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
Iodomethane	< 10 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
Isobutanol	< 25 ug/L		06/12/13 13:10	BP	SW 8260B*
Isopropylbenzene	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
m,p-Xylene	< 10 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
Methacrylonitrile	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B*
Methyl methacrylate	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
Methylene chloride	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
MTBE	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
Naphthalene	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS



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Report Date: 06/18/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3061235-08**
Sample Description: **Trip Blank**

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

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - STL</u>					
n-Butylbenzene	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
n-Propylbenzene	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
o-Xylene	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
p-Isopropyl toluene	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
Propionitrile	< 10 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
sec-Butylbenzene	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
Styrene	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
tert-Butylbenzene	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
Tetrachloroethene	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
Toluene	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
trans-1,2-Dichloroethene	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
trans-1,3-Dichloropropene	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
trans-1,4-Dichloro-2-butene	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B*
Trichloroethene	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
Trichlorofluoromethane	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
Vinyl acetate	< 10 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
Vinyl chloride	< 5.0 ug/L		06/12/13 13:10	BP	SW 8260B 04KS
Xylenes- Total	< 15 ug/L		06/12/13 13:10	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	114 % 65-134		06/12/13 13:10	BP	SW 8260B
Surrogate: Bromofluorobenzene	110 % 75.1-125		06/12/13 13:10	BP	SW 8260B
Surrogate: Toluene-d8	97 % 74.2-117		06/12/13 13:10	BP	SW 8260B



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Date Received: 06/07/13 12:14
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Customer #: 277310
PO#: 3496416

Laboratory Results

General Chemistry - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B309756 - No Prep								
Calibration Blank (B309756-CCB1)			Prepared & Analyzed: 06/12/13					
Total Organic Carbon (TOC)	0.0610	mg/L						
Calibration Check (B309756-CCV1)			Prepared & Analyzed: 06/12/13					
Total Organic Carbon (TOC)	5.01	mg/L	5.000	ND	100	90-110		
Matrix Spike (B309756-MS1)			Prepared & Analyzed: 06/12/13					
Total Organic Carbon (TOC)	4.77	mg/L	5.000	ND	95	80-120		
Matrix Spike (B309756-MS2)			Prepared & Analyzed: 06/12/13					
Total Organic Carbon (TOC)	9.07	mg/L	5.000	4.05	100	80-120		
Matrix Spike (B309756-MS3)			Prepared & Analyzed: 06/12/13					
Total Organic Carbon (TOC)	7.82	mg/L	5.000	2.66	103	80-120		
Matrix Spike (B309756-MS4)			Prepared & Analyzed: 06/13/13					
Total Organic Carbon (TOC)	10.6	mg/L	5.000	5.27	107	80-120		
Matrix Spike Dup (B309756-MSD1)			Prepared & Analyzed: 06/12/13					
Total Organic Carbon (TOC)	4.97	mg/L	5.000	ND	99	80-120	4	20
Matrix Spike Dup (B309756-MSD2)			Prepared & Analyzed: 06/12/13					
Total Organic Carbon (TOC)	8.89	mg/L	5.000	4.05	97	80-120	2	20
Matrix Spike Dup (B309756-MSD3)			Prepared & Analyzed: 06/12/13					
Total Organic Carbon (TOC)	7.54	mg/L	5.000	2.66	98	80-120	4	20
Matrix Spike Dup (B309756-MSD4)			Prepared & Analyzed: 06/13/13					
Total Organic Carbon (TOC)	10.1	mg/L	5.000	5.27	97	80-120	5	20

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B309617 - 04-No Prep VOA								
Blank (B309617-BLK1)			Prepared & Analyzed: 06/12/13					
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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St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 06/07/13 12:14
Report Date: 06/18/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B309617 - 04-No Prep VOA								
Blank (B309617-BLK1)			Prepared & Analyzed: 06/12/13					
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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PO#: 3496416

Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B309617 - 04-No Prep VOA								
Blank (B309617-BLK1)			Prepared & Analyzed: 06/12/13					
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	34.1	ug/L	30.00		114	65-134		
Surrogate: Bromofluorobenzene	32.5	ug/L	30.00		108	75.1-125		



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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 B309617 - 04-No Prep VOA								
Blank (B309617-BLK1)			Prepared & Analyzed: 06/12/13					
Surrogate: Toluene-d8	30.0	ug/L	30.00		100	74.2-117		
LCS (B309617-BS1)			Prepared & Analyzed: 06/12/13					
1,1,1-Trichloroethane	17	ug/L	20.00		86	76-131		
1,1,2,2-Tetrachloroethane	17	ug/L	20.00		87	79-126		
1,1,2-Trichloroethane	18	ug/L	20.00		89	79-123		
1,1-Dichloroethane	19	ug/L	20.00		93	74-133		
1,1-Dichloroethene	18	ug/L	20.00		92	71-135		
1,2-Dichlorobenzene	17	ug/L	20.00		86	76-113		
1,2-Dichloroethane	20	ug/L	20.00		98	80-135		
1,2-Dichloropropane	19	ug/L	20.00		96	78-127		
1,3-Dichlorobenzene	19	ug/L	20.00		93	82-119		
1,4-Dichlorobenzene	17	ug/L	20.00		85	78-118		
2-Chloroethylvinyl ether	21	ug/L	20.00		103	66-138		
Acrolein	91	ug/L	100.0		91	38-156		
Acrylonitrile	20	ug/L	20.00		98	43-121		
Benzene	17	ug/L	20.00		86	84-114		
Bromodichloromethane	17	ug/L	20.00		87	82-116		
Bromoform	19	ug/L	20.00		97	65-115		
Bromomethane	16	ug/L	20.00		78	28-143		
Carbon tetrachloride	17	ug/L	20.00		86	72-131		
Chlorobenzene	18	ug/L	20.00		92	82-112		
Chloroethane	12	ug/L	20.00		58	41-126		
Chloroform	19	ug/L	20.00		94	78-124		
Chloromethane	15	ug/L	20.00		77	52-110		
cis-1,3-Dichloropropene	19	ug/L	20.00		95	82-116		
Dibromochloromethane	17	ug/L	20.00		86	83-119		
Ethylbenzene	17	ug/L	20.00		87	85-118		
m,p-Xylene	35	ug/L	40.00		89	80-111		
Methylene chloride	20	ug/L	20.00		99	78-140		
o-Xylene	18	ug/L	20.00		89	81-111		
Tetrachloroethene	16	ug/L	20.00		82	65-135		
Toluene	18	ug/L	20.00		90	81-120		
trans-1,2-Dichloroethene	18	ug/L	20.00		92	70-136		
trans-1,3-Dichloropropene	21	ug/L	20.00		105	82-113		
Trichloroethene	18	ug/L	20.00		88	84-125		
Trichlorofluoromethane	19	ug/L	20.00		95	70-138		
Vinyl chloride	16	ug/L	20.00		79	56-112		
Surrogate: 1,2-Dichloroethane-d4	35.4	ug/L	30.00		118	65.3-134		
Surrogate: Bromofluorobenzene	31.6	ug/L	30.00		105	77.8-123		



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Attn: Ed Galbraith

Date Received: 06/07/13 12:14
Report Date: 06/18/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B309617 - 04-No Prep VOA								
LCS (B309617-BS1)			Prepared & Analyzed: 06/12/13					
Surrogate: Toluene-d8	29.5	ug/L	30.00		98	73.2-119		
Matrix Spike (B309617-MS1)			Source: 3060179-01 Prepared & Analyzed: 06/12/13					
1,1,1-Trichloroethane	20	ug/L	20.00	ND	98	58-143		
1,1,2,2-Tetrachloroethane	17	ug/L	20.00	ND	86	70-133		
1,1,2-Trichloroethane	18	ug/L	20.00	ND	88	73-130		
1,1-Dichloroethane	20	ug/L	20.00	ND	98	55-146		
1,1-Dichloroethene	20	ug/L	20.00	ND	102	51-150		
1,2-Dichlorobenzene	18	ug/L	20.00	ND	88	62-120		
1,2-Dichloroethane	20	ug/L	20.00	ND	101	67-143		
1,2-Dichloropropane	21	ug/L	20.00	ND	104	66-134		
1,3-Dichlorobenzene	20	ug/L	20.00	ND	98	67-124		
1,4-Dichlorobenzene	17	ug/L	20.00	ND	87	66-123		
Acrolein	93	ug/L	100.0	ND	93	14-156		
Acrylonitrile	20	ug/L	20.00	ND	102	46-116		
Benzene	20	ug/L	20.00	0.7	97	69-126		
Bromodichloromethane	18	ug/L	20.00	ND	91	67-128		
Bromoform	18	ug/L	20.00	ND	92	42-132		
Bromomethane	17	ug/L	20.00	ND	83	5-138		
Carbon tetrachloride	19	ug/L	20.00	ND	93	53-151		
Chlorobenzene	19	ug/L	20.00	ND	96	67-124		
Chloroethane	R 20	ug/L	20.00	ND	99	35-123		
Chloroform	18	ug/L	20.00	ND	92	41-155		
Chloromethane	18	ug/L	20.00	ND	92	39-120		
cis-1,3-Dichloropropene	21	ug/L	20.00	ND	103	68-126		
Dibromochloromethane	17	ug/L	20.00	ND	86	68-131		
Ethylbenzene	26	ug/L	20.00	8	91	68-128		
m,p-Xylene	80	ug/L	40.00	41	97	64-122		
Methylene chloride	21	ug/L	20.00	ND	105	70-150		
o-Xylene	45	ug/L	20.00	27	91	65-122		
Tetrachloroethene	17	ug/L	20.00	ND	87	42-132		
Toluene	38	ug/L	20.00	23	78	64-137		
trans-1,2-Dichloroethene	20	ug/L	20.00	ND	101	57-145		
trans-1,3-Dichloropropene	21	ug/L	20.00	ND	105	66-121		
Trichloroethene	21	ug/L	20.00	ND	103	69-131		
Trichlorofluoromethane	20	ug/L	20.00	ND	101	36-162		
Vinyl chloride	16	ug/L	20.00	ND	80	24-137		
Surrogate: 1,2-Dichloroethane-d4	33.3	ug/L	30.00		111	63.3-137		
Surrogate: Bromofluorobenzene	29.5	ug/L	30.00		98	74.6-123		
Surrogate: Toluene-d8	29.2	ug/L	30.00		97	71-122		



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Date Received: 06/07/13 12:14
Report Date: 06/18/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B309617 - 04-No Prep VOA								
Matrix Spike Dup (B309617-MSD1)		Source: 3060179-01		Prepared & Analyzed: 06/12/13				
1,1,1-Trichloroethane	16	ug/L	20.00	ND	80	58-143	20	40
1,1,2,2-Tetrachloroethane	15	ug/L	20.00	ND	75	70-133	14	40
1,1,2-Trichloroethane	Q2 14	ug/L	20.00	ND	70	73-130	23	40
1,1-Dichloroethane	15	ug/L	20.00	ND	74	55-146	27	40
1,1-Dichloroethene	17	ug/L	20.00	ND	84	51-150	20	40
1,2-Dichlorobenzene	13	ug/L	20.00	ND	65	62-120	29	40
1,2-Dichloroethane	15	ug/L	20.00	ND	73	67-143	32	40
1,2-Dichloropropane	15	ug/L	20.00	ND	77	66-134	30	40
1,3-Dichlorobenzene	15	ug/L	20.00	ND	74	67-124	28	40
1,4-Dichlorobenzene	14	ug/L	20.00	ND	70	66-123	21	40
Acrolein	92	ug/L	100.0	ND	92	14-156	0.5	40
Acrylonitrile	20	ug/L	20.00	ND	100	46-116	2	40
Benzene	15	ug/L	20.00	0.7	71	69-126	29	40
Bromodichloromethane	14	ug/L	20.00	ND	69	67-128	27	40
Bromoform	16	ug/L	20.00	ND	79	42-132	16	40
Bromomethane	14	ug/L	20.00	ND	69	5-138	18	40
Carbon tetrachloride	16	ug/L	20.00	ND	79	53-151	16	40
Chlorobenzene	16	ug/L	20.00	ND	78	67-124	21	40
Chloroethane	R 12	ug/L	20.00	ND	62	35-123	45	40
Chloroform	16	ug/L	20.00	ND	78	41-155	17	40
Chloromethane	14	ug/L	20.00	ND	71	39-120	26	40
cis-1,3-Dichloropropene	15	ug/L	20.00	ND	73	68-126	34	40
Dibromochloromethane	14	ug/L	20.00	ND	72	68-131	18	40
Ethylbenzene	Q2 21	ug/L	20.00	8	66	68-128	21	40
m,p-Xylene	Q2 61	ug/L	40.00	41	50	64-122	27	40
Methylene chloride	17	ug/L	20.00	ND	84	70-150	22	40
o-Xylene	Q2 37	ug/L	20.00	27	48	65-122	21	40
Tetrachloroethene	14	ug/L	20.00	ND	71	42-132	20	40
Toluene	Q2 31	ug/L	20.00	23	42	64-137	21	40
trans-1,2-Dichloroethene	17	ug/L	20.00	ND	87	57-145	15	40
trans-1,3-Dichloropropene	16	ug/L	20.00	ND	81	66-121	26	40
Trichloroethene	16	ug/L	20.00	ND	81	69-131	24	40
Trichlorofluoromethane	17	ug/L	20.00	ND	85	36-162	18	40
Vinyl chloride	15	ug/L	20.00	ND	75	24-137	6	40
Surrogate: 1,2-Dichloroethane-d4	32.4	ug/L	30.00		108	63.3-137		
Surrogate: Bromofluorobenzene	30.8	ug/L	30.00		103	74.6-123		
Surrogate: Toluene-d8	28.6	ug/L	30.00		95	71-122		



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Date Received: 06/07/13 12:14
Report Date: 06/18/13
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 B309716 - 04-No Prep VOA								
Blank (B309716-BLK1)			Prepared & Analyzed: 06/13/13					
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						
<i>Surrogate: 1,2-Dichloroethane-d4</i>	34.5	ug/L	30.00		115	59.4-135		
<i>Surrogate: Toluene-d8</i>	29.0	ug/L	30.00		97	77.7-111		
<i>Surrogate: Bromofluorobenzene</i>	32.2	ug/L	30.00		107	74-125		
LCS (B309716-BS1)			Prepared & Analyzed: 06/13/13					
1,1-Dichloroethene	23	ug/L	20.00		114	84-127		
1,2-Dichloroethane	21	ug/L	20.00		103	86-134		
1,4-Dichlorobenzene	21	ug/L	20.00		105	82-121		
2-Butanone	21	ug/L	20.00		106	42-133		
Benzene	21	ug/L	20.00		106	88-117		
Carbon tetrachloride	21	ug/L	20.00		105	77-132		
Chlorobenzene	21	ug/L	20.00		105	87-112		
Chloroform	22	ug/L	20.00		110	78-132		
Tetrachloroethene	19	ug/L	20.00		95	74-124		
Trichloroethene	21	ug/L	20.00		107	90-126		
Vinyl chloride	21	ug/L	20.00		105	56-121		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	36.5	ug/L	30.00		122	58.5-138		
<i>Surrogate: Toluene-d8</i>	30.7	ug/L	30.00		102	70.3-119		
<i>Surrogate: Bromofluorobenzene</i>	32.7	ug/L	30.00		109	74-126		
Matrix Spike (B309716-MS1)			Source: 3060273-02		Prepared & Analyzed: 06/13/13			
1,1-Dichloroethene	96	ug/L	200.0	ND	48	32-165		
1,2-Dichloroethane	218	ug/L	200.0	ND	109	88-130		
1,4-Dichlorobenzene	189	ug/L	200.0	ND	94	75-121		
2-Butanone	321	ug/L	200.0	ND	160	5-176		
Benzene	153	ug/L	200.0	ND	76	64-132		
Carbon tetrachloride	103	ug/L	200.0	ND	51	34-160		
Chlorobenzene	172	ug/L	200.0	ND	86	73-123		
Chloroform	180	ug/L	200.0	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 B309716 - 04-No Prep VOA								
Matrix Spike (B309716-MS1)			Source: 3060273-02		Prepared & Analyzed: 06/13/13			
Tetrachloroethene	111	ug/L	200.0	ND	55	16-164		
Trichloroethene	136	ug/L	200.0	ND	68	45-161		
Vinyl chloride	94	ug/L	200.0	ND	47	10-152		
Surrogate: 1,2-Dichloroethane-d4	36.6	ug/L	30.00		122	59-133		
Surrogate: Toluene-d8	30.1	ug/L	30.00		100	78.2-110		
Surrogate: Bromofluorobenzene	31.8	ug/L	30.00		106	72.2-127		
Matrix Spike (B309716-MS2)			Source: 3061235-01		Prepared & Analyzed: 06/13/13			
1,1-Dichloroethene	561	ug/L	800.0	ND	70	32-165		
1,2-Dichloroethane	805	ug/L	800.0	ND	101	88-130		
1,4-Dichlorobenzene	829	ug/L	800.0	ND	104	75-121		
2-Butanone	Q1 3600	ug/L	800.0	1720	234	5-176		
Benzene	721	ug/L	800.0	ND	90	64-132		
Carbon tetrachloride	555	ug/L	800.0	ND	69	34-160		
Chlorobenzene	811	ug/L	800.0	ND	101	73-123		
Chloroform	783	ug/L	800.0	ND	98	68-141		
Tetrachloroethene	612	ug/L	800.0	ND	76	16-164		
Trichloroethene	725	ug/L	800.0	ND	91	45-161		
Vinyl chloride	470	ug/L	800.0	ND	59	10-152		
Surrogate: 1,2-Dichloroethane-d4	36.5	ug/L	30.00		122	59-133		
Surrogate: Toluene-d8	29.5	ug/L	30.00		98	78.2-110		
Surrogate: Bromofluorobenzene	35.1	ug/L	30.00		117	72.2-127		

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B309389 - 04 SW 3510 (625/8270)								
Blank (B309389-BLK1)			Prepared: 06/12/13 Analyzed: 06/15/13					
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						



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Date Received: 06/07/13 12:14
Report Date: 06/18/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B309389 - 04 SW 3510 (625/8270)								
Blank (B309389-BLK1)			Prepared: 06/12/13 Analyzed: 06/15/13					
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						
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						



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PO#: 3496416

Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B309389 - 04 SW 3510 (625/8270)								
Blank (B309389-BLK1)			Prepared: 06/12/13 Analyzed: 06/15/13					
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						
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	56	ug/L	80.00		70	52.2-99.4		
Surrogate: Phenol- d5	57	ug/L	80.00		71	56.8-100		
Surrogate: Nitrobenzene-d5	65	ug/L	80.00		81	62.4-112		
Surrogate: 2-Fluorobiphenyl	65	ug/L	80.00		81	58-107		
Surrogate: 2,4,6-Tribromophenol	57	ug/L	80.00		72	37.6-118		
Surrogate: p-Terphenyl-d14	66	ug/L	80.00		83	42.1-123		
LCS (B309389-BS1)			Prepared: 06/12/13 Analyzed: 06/15/13					
1,2,4-Trichlorobenzene	47	ug/L	80.00		59	56-88		
1,2-Dichlorobenzene	49	ug/L	80.00		61	56-86		



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Report Date: 06/18/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B309389 - 04 SW 3510 (625/8270)								
LCS (B309389-BS1)			Prepared: 06/12/13 Analyzed: 06/15/13					
1,3-Dichlorobenzene	46	ug/L	80.00		58	54-84		
1,4-Dichlorobenzene	48	ug/L	80.00		61	55-87		
2,4,5-Trichlorophenol	61	ug/L	80.00		77	54-107		
2,4,6-Trichlorophenol	59	ug/L	80.00		73	53-108		
2,4-Dichlorophenol	57	ug/L	80.00		71	57-100		
2,4-Dimethylphenol	58	ug/L	80.00		73	58-99		
2,4-Dinitrophenol	57	ug/L	80.00		71	41-122		
2,4-Dinitrotoluene	49	ug/L	80.00		61	46-100		
2,6-Dinitrotoluene	51	ug/L	80.00		64	53-100		
2-Chloronaphthalene	46	ug/L	80.00		58	54-90		
2-Chlorophenol	55	ug/L	80.00		69	59-97		
2-Methylphenol	57	ug/L	80.00		71	56-107		
2-Nitrophenol	54	ug/L	80.00		68	56-105		
3- & 4-Methylphenol	58	ug/L	80.00		73	56-100		
3,3'-Dichlorobenzidine	66	ug/L	80.00		83	50-107		
4,6-Dinitro-2-methylphenol	58	ug/L	80.00		73	51-102		
4-Bromophenylphenyl ether	50	ug/L	80.00		62	52-97		
4-Chloro-3-methylphenol	59	ug/L	80.00		74	58-102		
4-Chlorophenylphenyl ether	53	ug/L	80.00		66	52-98		
4-Nitrophenol	57	ug/L	80.00		71	47-114		
Acenaphthene	49	ug/L	80.00		62	54-93		
Acenaphthylene	50	ug/L	80.00		63	56-93		
Anthracene	53	ug/L	80.00		66	57-94		
Azobenzene	50	ug/L	80.00		63	44-98		
Benzidine	12	ug/L	80.00		15	10-68		
Benzo(a)anthracene	49	ug/L	80.00		62	45-94		
Benzo(a)pyrene	59	ug/L	80.00		74	50-111		
Benzo(b&k)fluoranthene	116	ug/L	160.0		73	52-102		
Benzo(b)fluoranthene	68	ug/L	80.00		85	50-108		
Benzo(g,h,i)perylene	52	ug/L	80.00		65	45-102		
Benzo(k)fluoranthene	55	ug/L	80.00		68	50-98		
Benzoic Acid	54	ug/L	80.00		67	43-117		
Bis(2-chloroethoxy) methane	51	ug/L	80.00		64	52-89		
Bis(2-chloroethyl) ether	46	ug/L	80.00		57	55-88		
Bis(2-chloroisopropyl) ether	49	ug/L	80.00		61	37-81		
Bis(2-ethylhexyl) phthalate	52	ug/L	80.00		65	44-97		
Butyl benzyl phthalate	50	ug/L	80.00		63	44-96		
Chrysene	53	ug/L	80.00		67	50-100		
Dibenzo(a,h)anthracene	57	ug/L	80.00		71	53-99		



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Date Received: 06/07/13 12:14
Report Date: 06/18/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B309389 - 04 SW 3510 (625/8270)								
LCS (B309389-BS1)			Prepared: 06/12/13 Analyzed: 06/15/13					
Diethyl phthalate	49	ug/L	80.00		62	53-92		
Dimethyl phthalate	50	ug/L	80.00		62	53-93		
Di-n-butyl phthalate	50	ug/L	80.00		63	55-96		
Di-n-octyl phthalate	65	ug/L	80.00		81	42-110		
Diphenylamine	46	ug/L	80.00		57	49-97		
Fluoranthene	50	ug/L	80.00		63	56-92		
Fluorene	50	ug/L	80.00		63	52-97		
Hexachlorobenzene	48	ug/L	80.00		61	51-98		
Hexachlorobutadiene	49	ug/L	80.00		61	54-92		
Hexachlorocyclopentadiene	25	ug/L	80.00		32	27-85		
Hexachloroethane	46	ug/L	80.00		57	56-83		
Indeno(1,2,3-cd)pyrene	40	ug/L	80.00		50	50-106		
Isophorone	44	ug/L	80.00		55	52-85		
Naphthalene	48	ug/L	80.00		60	59-87		
Nitrobenzene	48	ug/L	80.00		60	48-95		
N-Nitrosodimethylamine	53	ug/L	80.00		66	53-90		
N-Nitrosodi-n-propylamine	49	ug/L	80.00		61	47-87		
Pentachlorophenol	65	ug/L	80.00		82	49-128		
Phenanthrene	50	ug/L	80.00		63	55-95		
Phenol	57	ug/L	80.00		71	55-96		
Pyrene	52	ug/L	80.00		66	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		51 ug/L	80.00		63	52.2-99.4		
Surrogate: Phenol- d5		54 ug/L	80.00		67	56.8-100		
Surrogate: Nitrobenzene-d5		56 ug/L	80.00		70	62.4-112		
Surrogate: 2-Fluorobiphenyl		58 ug/L	80.00		73	58-107		
Surrogate: 2,4,6-Tribromophenol		57 ug/L	80.00		71	37.6-118		
Surrogate: p-Terphenyl-d14		62 ug/L	80.00		77	42.1-123		
Matrix Spike (B309389-MS1)			Source: 3061066-05 Prepared: 06/12/13 Analyzed: 06/15/13					
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	< 400	ug/L	80.00	ND	34-87		
2,4,5-Trichlorophenol	X	< 400	ug/L	80.00	ND	15-100		



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PO#: 3496416

Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B309389 - 04 SW 3510 (625/8270)								
Matrix Spike (B309389-MS1)	Source: 3061066-05		Prepared: 06/12/13 Analyzed: 06/15/13					
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	< 400	ug/L	80.00	ND	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	< 400	ug/L	80.00	ND	39-101		
2-Chloronaphthalene	X	< 400	ug/L	80.00	ND	39-94		
2-Chlorophenol	X	< 400	ug/L	80.00	ND	12-79		
2-Methylphenol	X	< 400	ug/L	80.00	ND	10-98		
2-Nitrophenol	X	< 400	ug/L	80.00	ND	16-102		
3- & 4-Methylphenol	X	< 400	ug/L	80.00	ND	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		
4-Bromophenylphenyl ether	X	< 400	ug/L	80.00	ND	38-103		
4-Chloro-3-methylphenol	X	< 400	ug/L	80.00	ND	10-90		
4-Chlorophenylphenyl ether	X	< 400	ug/L	80.00	ND	40-101		
4-Nitrophenol	X	380	ug/L	80.00	ND	475	10-72	
Acenaphthene	X	44	ug/L	80.00	ND	56	41-98	
Acenaphthylene	X	< 400	ug/L	80.00	ND		41-98	
Anthracene	X	40	ug/L	80.00	ND	49	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	97	ug/L	160.0	ND	61	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	< 400	ug/L	80.00	ND		33-104	
Benzoic Acid	X	46000	ug/L	80.00	47400	NR	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	< 400	ug/L	80.00	ND		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	42	ug/L	80.00	ND	52	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	



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Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B309389 - 04 SW 3510 (625/8270)								
Matrix Spike (B309389-MS1)	Source: 3061066-05		Prepared: 06/12/13 Analyzed: 06/15/13					
Di-n-octyl phthalate	X	< 400	ug/L	80.00	ND	30-123		
Diphenylamine	X	< 400	ug/L	80.00	ND	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	< 400	ug/L	80.00	ND	32-108		
Isophorone	X	< 400	ug/L	80.00	ND	29-85		
Naphthalene	X	< 400	ug/L	80.00	ND	38-97		
Nitrobenzene	X	< 400	ug/L	80.00	ND	22-102		
N-Nitrosodimethylamine	X	< 400	ug/L	80.00	ND	10-60		
N-Nitrosodi-n-propylamine	X	< 400	ug/L	80.00	ND	10-110		
Pentachlorophenol	X	227	ug/L	80.00	ND	283	11-127	
Phenanthrene	X	40	ug/L	80.00	ND	49	39-101	
Phenol	X	< 400	ug/L	80.00	ND		10-39	
Pyrene	X	41	ug/L	80.00	ND	51	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	X	0.13	ug/L	80.00		0.2	10-35	
Surrogate: Phenol- d5	X	0.36	ug/L	80.00		0.4	10-26	
Surrogate: Nitrobenzene-d5	X	33	ug/L	80.00		42	22-105	
Surrogate: 2-Fluorobiphenyl	X	38	ug/L	80.00		47	30-97	
Surrogate: 2,4,6-Tribromophenol	X	8.5	ug/L	80.00		11	10-93	
Surrogate: p-Terphenyl-d14	X	58	ug/L	80.00		73	22-115	



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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
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.
- R MS/MSD Failed %RPD
- Q2 MSD failed %R
- Q1 MS Failed %R

Certified by: Roxann Shull, Client Services Supervisor



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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		3 ANALYSIS REQUESTED					4 (FOR LAB USE ONLY) LOGIN # <u>3061235</u> LOGGED BY: <u>HG</u> LAB PROJ. # TEMPLATE: PROJ. MGR.:		
ADDRESS 13574 ST. CHARLES ROCK ROAD		PHONE NUMBER	FAX NUMBER	EMAIL ADDRESS		TCLP VOCs (8264B) TOC (9064) Total Solids (813540B) VOCs (8264B) SVOCs (8270C)						REMARKS	
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 / ED GALBRATTA		SAMPLER'S SIGNATURE <i>Scott C. Fedak</i>											
2 SAMPLE DESCRIPTION AS YOU WANT ON REPORT		DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	MATRIX COMP TYPE	Bottle Count							
UNTREATED COMMINGLED TCLP (6/6/13) 14		6/6/13	1234	X --	L'CHT	2							
UNTREATED COMMINGLED TOC (6/6/13) 14			1244	--		1							
UNTREATED COMMINGLED SOLIDS (6/6/13) 14			1254	--		2							
UNTREATED COMMINGLED VOC/SVOC (6/6/13) 37			1257	--		4							
UNTREATED COMMINGLED VOC/SVOC (6/6/13) 38			1348	--		4							
UNTREATED COMMINGLED VOC/SVOC (6/6/13) 39			1319	--		4							
UNTREATED COMMINGLED VOC/SVOC (6/6/13) 44			1334	--		4							
Trip Blank		--	--	--	--	3							
5 TURNAROUND TIME (RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE) NORMAL (8-10 Bus. Days) <u>RUSH (5 Bus. Days)</u> <i>Fastrak™</i> (3 Bus. Days) 1-2 Bus. Days Same Day DATE DUE		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.											
RESULTS BY: <u>E-MAIL</u> FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE													
7 RELINQUISHED BY: (SIGNATURE) <i>Scott C. Fedak</i>		DATE	TIME	RECEIVED BY:		DATE	TIME	8 COMMENTS: (FOR LAB USE ONLY)					
<i>Michelle Alvarado</i>		6/6/13	1708	<i>Michelle Alvarado</i>		6/6/13	1708	SAMPLE TEMPERATURE UPON RECEIPT <u>18°C</u> CHILL PROCESS STARTED PRIOR TO RECEIPT SAMPLE(S) RECEIVED ON ICE PROPER BOTTLES RECEIVED IN GOOD CONDITION BOTTLES FILLED WITH ADEQUATE VOLUME SAMPLES RECEIVED WITHIN HOLD TIME(S) (EXCLUDES TYPICAL FIELD PARAMETERS) DATE AND TIME TAKEN FROM SAMPLE BOTTLE					
<i>Michelle Alvarado</i>		6/7/13	1143	<i>Michelle Alvarado</i>		6/7/13	1143						
<i>Michelle Alvarado</i>		6/7/13	1210	<i>Michelle Alvarado</i>		6/7/13	1210						
<i>Michelle Alvarado</i>													

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

SUBCONTRACT ORDER

PDC Laboratories, Inc.

3061235

MB

SENDING LABORATORY:

- PDC Laboratories, Inc, 2231 W Altorfer Peoria, IL 61615
- PDC Laboratories, Inc, 1805 W Sunset, Springfield, MO 65807
- PDC Laboratories, Inc, 3278 N Highway 67, Florissant, MO 63033

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

Date Shipped 6/10/13
 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: 3061235-02	Water	Sampled:06/06/13 12:40	
TOC	06/12/13 16:00	07/04/13 12:40	

Turn-Around Time Requested (circle one): NORMAL RUSH Date Results Needed: 6/12/13

Relinquished By	Date/Time	Received By	Date/Time	Sample Temperature Upon Receipt	<u>4</u> C
<u>Heather Cochran</u>	<u>6/19/13</u>	<u>Melissa Puley</u>	<u>6/14/13</u>	Sample(s) Received on Ice	<input type="radio"/> Y or <input checked="" type="radio"/> N
Relinquished By	Date/Time	(Received By)	Date/Time	Proper Bottles Received in Good Condition	<input type="radio"/> Y or <input checked="" type="radio"/> N
			<u>8:00</u>	Bottles Filled with Adequate Volume	<input type="radio"/> Y or <input checked="" type="radio"/> N
				Samples Received Within Hold Time	<input type="radio"/> Y or <input checked="" type="radio"/> N
				Date/Time Taken From Sample Bottle	<input type="radio"/> Y or <input checked="" type="radio"/> N



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Scott Fedak

Date Received: 06/20/13 17:00
Report Date: 07/01/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3063094-01**
Sample Description: **Tank 85-TCLP**

Collect Date: **06/20/13 11:00**
Matrix: **Solid**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - TCLP - STL					
1,1-Dichloroethene	< 120 ug/L		06/26/13 11:06	BP	SW 8260B*
1,2-Dichloroethane	< 120 ug/L		06/26/13 11:06	BP	SW 8260B*
1,4-Dichlorobenzene	< 120 ug/L		06/26/13 11:06	BP	SW 8260B*
Benzene	< 120 ug/L		06/26/13 11:06	BP	SW 8260B*
Carbon tetrachloride	< 120 ug/L		06/26/13 11:06	BP	SW 8260B*
Chlorobenzene	< 120 ug/L		06/26/13 11:06	BP	SW 8260B*
Chloroform	< 120 ug/L		06/26/13 11:06	BP	SW 8260B*
Tetrachloroethene	< 120 ug/L		06/26/13 11:06	BP	SW 8260B*
Trichloroethene	< 120 ug/L		06/26/13 11:06	BP	SW 8260B*
Vinyl chloride	< 120 ug/L		06/26/13 11:06	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	83 % 59.4-135		06/26/13 11:06	BP	SW 8260B
Surrogate: Toluene-d8	87 % 77.7-111		06/26/13 11:06	BP	SW 8260B
Surrogate: Bromofluorobenzene	92 % 74-125		06/26/13 11:06	BP	SW 8260B

Sample No: **3063094-01RE1**
Sample Description: **Tank 85-TCLP**

Collect Date: **06/20/13 11:00**
Matrix: **Solid**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - TCLP - STL					
2-Butanone	4400 ug/L	Q4	07/01/13 13:25	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	81 % 59.4-135		07/01/13 13:25	BP	SW 8260B
Surrogate: Toluene-d8	83 % 77.7-111		07/01/13 13:25	BP	SW 8260B
Surrogate: Bromofluorobenzene	91 % 74-125		07/01/13 13:25	BP	SW 8260B

Sample No: **3063094-02**
Sample Description: **Tank 101-TCLP**

Collect Date: **06/20/13 11:45**
Matrix: **Solid**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - TCLP - STL					
1,1-Dichloroethene	< 120 ug/L		06/26/13 11:58	BP	SW 8260B*

3063094



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Scott Fedak

Date Received: 06/20/13 17:00
Report Date: 07/01/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3063094-02**
Sample Description: **Tank 101-TCLP**

Collect Date: **06/20/13 11:45**
Matrix: **Solid**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - TCLP - STL					
1,2-Dichloroethane	< 120 ug/L		06/26/13 11:58	BP	SW 8260B*
1,4-Dichlorobenzene	< 120 ug/L		06/26/13 11:58	BP	SW 8260B*
2-Butanone	3300 ug/L	Q4	06/26/13 11:58	BP	SW 8260B*
Benzene	< 120 ug/L		06/26/13 11:58	BP	SW 8260B*
Carbon tetrachloride	< 120 ug/L		06/26/13 11:58	BP	SW 8260B*
Chlorobenzene	< 120 ug/L		06/26/13 11:58	BP	SW 8260B*
Chloroform	< 120 ug/L		06/26/13 11:58	BP	SW 8260B*
Tetrachloroethene	< 120 ug/L		06/26/13 11:58	BP	SW 8260B*
Trichloroethene	< 120 ug/L		06/26/13 11:58	BP	SW 8260B*
Vinyl chloride	< 120 ug/L		06/26/13 11:58	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	84 % 59.4-135		06/26/13 11:58	BP	SW 8260B
Surrogate: Toluene-d8	83 % 77.7-111		06/26/13 11:58	BP	SW 8260B
Surrogate: Bromofluorobenzene	92 % 74-125		06/26/13 11:58	BP	SW 8260B

Sample No: **3063094-03**
Sample Description: **Tank 102-TCLP**

Collect Date: **06/20/13 11:55**
Matrix: **Solid**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - TCLP - STL					
1,1-Dichloroethene	< 120 ug/L		06/26/13 12:50	BP	SW 8260B*
1,2-Dichloroethane	< 120 ug/L		06/26/13 12:50	BP	SW 8260B*
1,4-Dichlorobenzene	< 120 ug/L		06/26/13 12:50	BP	SW 8260B*
2-Butanone	2100 ug/L	Q4	06/26/13 12:50	BP	SW 8260B*
Benzene	< 120 ug/L		06/26/13 12:50	BP	SW 8260B*
Carbon tetrachloride	< 120 ug/L		06/26/13 12:50	BP	SW 8260B*
Chlorobenzene	< 120 ug/L		06/26/13 12:50	BP	SW 8260B*
Chloroform	< 120 ug/L		06/26/13 12:50	BP	SW 8260B*
Tetrachloroethene	< 120 ug/L		06/26/13 12:50	BP	SW 8260B*
Trichloroethene	< 120 ug/L		06/26/13 12:50	BP	SW 8260B*
Vinyl chloride	< 120 ug/L		06/26/13 12:50	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	87 % 59.4-135		06/26/13 12:50	BP	SW 8260B
Surrogate: Toluene-d8	84 % 77.7-111		06/26/13 12:50	BP	SW 8260B

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St. Louis, MO 63044
Attn: Scott Fedak

Date Received: 06/20/13 17:00
Report Date: 07/01/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3063094-03**
Sample Description: **Tank 102-TCLP**

Collect Date: **06/20/13 11:55**
Matrix: **Solid**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - TCLP - STL</u>					
Surrogate: Bromofluorobenzene	92 % 74-125		06/26/13 12:50	BP	SW 8260B

Sample No: **3063094-04**
Sample Description: **Tank 140-TCLP**

Collect Date: **06/20/13 12:45**
Matrix: **Solid**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - TCLP - STL</u>					
1,1-Dichloroethene	< 120 ug/L		06/26/13 13:42	BP	SW 8260B*
1,2-Dichloroethane	< 120 ug/L	Q1	06/26/13 13:42	BP	SW 8260B*
1,4-Dichlorobenzene	< 120 ug/L	Q1	06/26/13 13:42	BP	SW 8260B*
2-Butanone	3600 ug/L	Q4	06/26/13 13:42	BP	SW 8260B*
Benzene	< 120 ug/L	Q1	06/26/13 13:42	BP	SW 8260B*
Carbon tetrachloride	< 120 ug/L		06/26/13 13:42	BP	SW 8260B*
Chlorobenzene	< 120 ug/L		06/26/13 13:42	BP	SW 8260B*
Chloroform	< 120 ug/L		06/26/13 13:42	BP	SW 8260B*
Tetrachloroethene	< 120 ug/L		06/26/13 13:42	BP	SW 8260B*
Trichloroethene	< 120 ug/L		06/26/13 13:42	BP	SW 8260B*
Vinyl chloride	< 120 ug/L		06/26/13 13:42	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	81 % 59.4-135		06/26/13 13:42	BP	SW 8260B
Surrogate: Toluene-d8	82 % 77.7-111		06/26/13 13:42	BP	SW 8260B
Surrogate: Bromofluorobenzene	92 % 74-125		06/26/13 13:42	BP	SW 8260B

Sample No: **3063094-05**
Sample Description: **Tank 67-TCLP**

Collect Date: **06/20/13 13:00**
Matrix: **Solid**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - TCLP - STL</u>					
1,1-Dichloroethene	< 120 ug/L		06/26/13 14:34	BP	SW 8260B*
1,2-Dichloroethane	< 120 ug/L		06/26/13 14:34	BP	SW 8260B*
1,4-Dichlorobenzene	< 120 ug/L		06/26/13 14:34	BP	SW 8260B*

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St. Louis, MO 63044
Attn: Scott Fedak

Date Received: 06/20/13 17:00
Report Date: 07/01/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3063094-05**
Sample Description: **Tank 67-TCLP**

Collect Date: **06/20/13 13:00**
Matrix: **Solid**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - TCLP - STL</u>					
2-Butanone	2400 ug/L	Q4	06/26/13 14:34	BP	SW 8260B*
Benzene	< 120 ug/L		06/26/13 14:34	BP	SW 8260B*
Carbon tetrachloride	< 120 ug/L		06/26/13 14:34	BP	SW 8260B*
Chlorobenzene	< 120 ug/L		06/26/13 14:34	BP	SW 8260B*
Chloroform	< 120 ug/L		06/26/13 14:34	BP	SW 8260B*
Tetrachloroethene	< 120 ug/L		06/26/13 14:34	BP	SW 8260B*
Trichloroethene	< 120 ug/L		06/26/13 14:34	BP	SW 8260B*
Vinyl chloride	< 120 ug/L		06/26/13 14:34	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	81 % 59.4-135		06/26/13 14:34	BP	SW 8260B
Surrogate: Toluene-d8	83 % 77.7-111		06/26/13 14:34	BP	SW 8260B
Surrogate: Bromofluorobenzene	91 % 74-125		06/26/13 14:34	BP	SW 8260B

Sample No: **3063094-06**
Sample Description: **Tank 137-TCLP**

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

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - TCLP - STL</u>					
1,1-Dichloroethene	< 120 ug/L	Q1	06/26/13 15:26	BP	SW 8260B*
1,2-Dichloroethane	< 120 ug/L	Q1	06/26/13 15:26	BP	SW 8260B*
1,4-Dichlorobenzene	< 120 ug/L	Q1	06/26/13 15:26	BP	SW 8260B*
2-Butanone	3200 ug/L	Q4	06/26/13 15:26	BP	SW 8260B*
Benzene	< 120 ug/L	Q1	06/26/13 15:26	BP	SW 8260B*
Carbon tetrachloride	< 120 ug/L	Q1	06/26/13 15:26	BP	SW 8260B*
Chlorobenzene	< 120 ug/L	Q1	06/26/13 15:26	BP	SW 8260B*
Chloroform	< 120 ug/L	Q1	06/26/13 15:26	BP	SW 8260B*
Tetrachloroethene	< 120 ug/L		06/26/13 15:26	BP	SW 8260B*
Trichloroethene	< 120 ug/L	Q1	06/26/13 15:26	BP	SW 8260B*
Vinyl chloride	< 120 ug/L		06/26/13 15:26	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	81 % 59.4-135		06/26/13 15:26	BP	SW 8260B
Surrogate: Toluene-d8	83 % 77.7-111		06/26/13 15:26	BP	SW 8260B
Surrogate: Bromofluorobenzene	85 % 74-125		06/26/13 15:26	BP	SW 8260B



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Scott Fedak

Date Received: 06/20/13 17:00
Report Date: 07/01/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3063094-07**
Sample Description: **Tank 136-TCLP**

Collect Date: **06/20/13 13:30**
Matrix: **Solid**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - TCLP - STL					
1,1-Dichloroethene	< 120 ug/L		06/26/13 16:45	BP	SW 8260B*
1,2-Dichloroethane	< 120 ug/L	Q1	06/26/13 16:45	BP	SW 8260B*
1,4-Dichlorobenzene	< 120 ug/L		06/26/13 16:45	BP	SW 8260B*
2-Butanone	< 250 ug/L		06/26/13 16:45	BP	SW 8260B*
Benzene	< 120 ug/L		06/26/13 16:45	BP	SW 8260B*
Carbon tetrachloride	< 120 ug/L		06/26/13 16:45	BP	SW 8260B*
Chlorobenzene	< 120 ug/L		06/26/13 16:45	BP	SW 8260B*
Chloroform	< 120 ug/L		06/26/13 16:45	BP	SW 8260B*
Tetrachloroethene	< 120 ug/L		06/26/13 16:45	BP	SW 8260B*
Trichloroethene	< 120 ug/L		06/26/13 16:45	BP	SW 8260B*
Vinyl chloride	< 120 ug/L		06/26/13 16:45	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	82 % 59.4-135		06/26/13 16:45	BP	SW 8260B
Surrogate: Toluene-d8	83 % 77.7-111		06/26/13 16:45	BP	SW 8260B
Surrogate: Bromofluorobenzene	85 % 74-125		06/26/13 16:45	BP	SW 8260B

Sample No: **3063094-08**
Sample Description: **Tank 135-TCLP**

Collect Date: **06/20/13 14:40**
Matrix: **Solid**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - TCLP - STL					
1,1-Dichloroethene	< 120 ug/L		06/26/13 20:10	BP	SW 8260B*
1,2-Dichloroethane	< 120 ug/L	Q1	06/26/13 20:10	BP	SW 8260B*
1,4-Dichlorobenzene	< 120 ug/L		06/26/13 20:10	BP	SW 8260B*
2-Butanone	3100 ug/L	Q4	06/26/13 20:10	BP	SW 8260B*
Benzene	< 120 ug/L		06/26/13 20:10	BP	SW 8260B*
Carbon tetrachloride	< 120 ug/L		06/26/13 20:10	BP	SW 8260B*
Chlorobenzene	< 120 ug/L		06/26/13 20:10	BP	SW 8260B*
Chloroform	< 120 ug/L		06/26/13 20:10	BP	SW 8260B*
Tetrachloroethene	< 120 ug/L		06/26/13 20:10	BP	SW 8260B*
Trichloroethene	< 120 ug/L		06/26/13 20:10	BP	SW 8260B*
Vinyl chloride	< 120 ug/L		06/26/13 20:10	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	81 % 59.4-135		06/26/13 20:10	BP	SW 8260B

3063094



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Scott Fedak

Date Received: 06/20/13 17:00
Report Date: 07/01/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3063094-08**
Sample Description: **Tank 135-TCLP**

Collect Date: **06/20/13 14:40**
Matrix: **Solid**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - TCLP - STL					
Surrogate: Toluene-d8	83 % 77.7-111		06/26/13 20:10	BP	SW 8260B
Surrogate: Bromofluorobenzene	89 % 74-125		06/26/13 20:10	BP	SW 8260B

Sample No: **3063094-09**
Sample Description: **Tank 134-TCLP**

Collect Date: **06/20/13 14:50**
Matrix: **Solid**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - TCLP - STL					
1,1-Dichloroethene	< 120 ug/L		06/26/13 21:02	BP	SW 8260B*
1,2-Dichloroethane	< 120 ug/L	Q1	06/26/13 21:02	BP	SW 8260B*
1,4-Dichlorobenzene	< 120 ug/L		06/26/13 21:02	BP	SW 8260B*
2-Butanone	3700 ug/L	Q4	06/26/13 21:02	BP	SW 8260B*
Benzene	< 120 ug/L		06/26/13 21:02	BP	SW 8260B*
Carbon tetrachloride	< 120 ug/L		06/26/13 21:02	BP	SW 8260B*
Chlorobenzene	< 120 ug/L		06/26/13 21:02	BP	SW 8260B*
Chloroform	< 120 ug/L		06/26/13 21:02	BP	SW 8260B*
Tetrachloroethene	< 120 ug/L		06/26/13 21:02	BP	SW 8260B*
Trichloroethene	< 120 ug/L		06/26/13 21:02	BP	SW 8260B*
Vinyl chloride	< 120 ug/L		06/26/13 21:02	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	88 % 59.4-135		06/26/13 21:02	BP	SW 8260B
Surrogate: Toluene-d8	84 % 77.7-111		06/26/13 21:02	BP	SW 8260B
Surrogate: Bromofluorobenzene	87 % 74-125		06/26/13 21:02	BP	SW 8260B

Sample No: **3063094-10**
Sample Description: **Tank 133-TCLP**

Collect Date: **06/20/13 15:10**
Matrix: **Solid**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - TCLP - STL					
1,1-Dichloroethene	< 120 ug/L		06/26/13 21:54	BP	SW 8260B*
1,2-Dichloroethane	< 120 ug/L	Q1	06/26/13 21:54	BP	SW 8260B*

3063094



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Scott Fedak

Date Received: 06/20/13 17:00
Report Date: 07/01/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3063094-10**
Sample Description: **Tank 133-TCLP**

Collect Date: **06/20/13 15:10**
Matrix: **Solid**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - TCLP - STL					
1,4-Dichlorobenzene	< 120 ug/L		06/26/13 21:54	BP	SW 8260B*
2-Butanone	3100 ug/L	Q4	06/26/13 21:54	BP	SW 8260B*
Benzene	< 120 ug/L	Q1	06/26/13 21:54	BP	SW 8260B*
Carbon tetrachloride	< 120 ug/L		06/26/13 21:54	BP	SW 8260B*
Chlorobenzene	< 120 ug/L		06/26/13 21:54	BP	SW 8260B*
Chloroform	< 120 ug/L		06/26/13 21:54	BP	SW 8260B*
Tetrachloroethene	< 120 ug/L		06/26/13 21:54	BP	SW 8260B*
Trichloroethene	< 120 ug/L		06/26/13 21:54	BP	SW 8260B*
Vinyl chloride	< 120 ug/L		06/26/13 21:54	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	90 % 59.4-135		06/26/13 21:54	BP	SW 8260B
Surrogate: Toluene-d8	86 % 77.7-111		06/26/13 21:54	BP	SW 8260B
Surrogate: Bromofluorobenzene	86 % 74-125		06/26/13 21:54	BP	SW 8260B

Sample No: **3063094-11**
Sample Description: **Tank 132-TCLP**

Collect Date: **06/20/13 15:20**
Matrix: **Solid**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - TCLP - STL					
1,1-Dichloroethene	< 120 ug/L	Q1	06/26/13 22:46	BP	SW 8260B*
1,2-Dichloroethane	< 120 ug/L	Q1	06/26/13 22:46	BP	SW 8260B*
1,4-Dichlorobenzene	< 120 ug/L	Q1	06/26/13 22:46	BP	SW 8260B*
2-Butanone	3300 ug/L	Q4	06/26/13 22:46	BP	SW 8260B*
Benzene	< 120 ug/L	Q1	06/26/13 22:46	BP	SW 8260B*
Carbon tetrachloride	< 120 ug/L	Q1	06/26/13 22:46	BP	SW 8260B*
Chlorobenzene	< 120 ug/L	Q1	06/26/13 22:46	BP	SW 8260B*
Chloroform	< 120 ug/L	Q1	06/26/13 22:46	BP	SW 8260B*
Tetrachloroethene	< 120 ug/L		06/26/13 22:46	BP	SW 8260B*
Trichloroethene	< 120 ug/L	Q1	06/26/13 22:46	BP	SW 8260B*
Vinyl chloride	< 120 ug/L		06/26/13 22:46	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	84 % 59.4-135		06/26/13 22:46	BP	SW 8260B
Surrogate: Toluene-d8	82 % 77.7-111		06/26/13 22:46	BP	SW 8260B
Surrogate: Bromofluorobenzene	84 % 74-125		06/26/13 22:46	BP	SW 8260B

3063094



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Laboratory Results

Sample No: **3063094-12**
Sample Description: **Tank 125-TCLP**

Collect Date: **06/20/13 15:50**
Matrix: **Solid**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - TCLP - STL					
1,1-Dichloroethene	< 120 ug/L		06/26/13 23:38	BP	SW 8260B*
1,2-Dichloroethane	< 120 ug/L	Q1	06/26/13 23:38	BP	SW 8260B*
1,4-Dichlorobenzene	< 120 ug/L	Q1	06/26/13 23:38	BP	SW 8260B*
2-Butanone	3000 ug/L	Q4	06/26/13 23:38	BP	SW 8260B*
Benzene	< 120 ug/L	Q1	06/26/13 23:38	BP	SW 8260B*
Carbon tetrachloride	< 120 ug/L		06/26/13 23:38	BP	SW 8260B*
Chlorobenzene	< 120 ug/L	Q1	06/26/13 23:38	BP	SW 8260B*
Chloroform	< 120 ug/L		06/26/13 23:38	BP	SW 8260B*
Tetrachloroethene	< 120 ug/L		06/26/13 23:38	BP	SW 8260B*
Trichloroethene	< 120 ug/L		06/26/13 23:38	BP	SW 8260B*
Vinyl chloride	< 120 ug/L		06/26/13 23:38	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	81 % 59.4-135		06/26/13 23:38	BP	SW 8260B
Surrogate: Toluene-d8	90 % 77.7-111		06/26/13 23:38	BP	SW 8260B
Surrogate: Bromofluorobenzene	91 % 74-125		06/26/13 23:38	BP	SW 8260B

Sample No: **3063094-13**
Sample Description: **Tank 118-TCLP**

Collect Date: **06/20/13 16:00**
Matrix: **Solid**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - TCLP - STL					
1,1-Dichloroethene	< 120 ug/L	Q1	06/27/13 00:29	BP	SW 8260B*
1,2-Dichloroethane	< 120 ug/L	Q1	06/27/13 00:29	BP	SW 8260B*
1,4-Dichlorobenzene	< 120 ug/L	Q1	06/27/13 00:29	BP	SW 8260B*
2-Butanone	3300 ug/L	Q4	06/27/13 00:29	BP	SW 8260B*
Benzene	< 120 ug/L	Q1	06/27/13 00:29	BP	SW 8260B*
Carbon tetrachloride	< 120 ug/L	Q1	06/27/13 00:29	BP	SW 8260B*
Chlorobenzene	< 120 ug/L	Q1	06/27/13 00:29	BP	SW 8260B*
Chloroform	< 120 ug/L	Q1	06/27/13 00:29	BP	SW 8260B*
Tetrachloroethene	< 120 ug/L		06/27/13 00:29	BP	SW 8260B*
Trichloroethene	< 120 ug/L	Q1	06/27/13 00:29	BP	SW 8260B*
Vinyl chloride	< 120 ug/L		06/27/13 00:29	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	85 % 59.4-135		06/27/13 00:29	BP	SW 8260B

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Laboratory Results

Sample No: **3063094-13**
Sample Description: **Tank 118-TCLP**

Collect Date: **06/20/13 16:00**
Matrix: **Solid**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - TCLP - STL</u>					
Surrogate: Toluene-d8	82 % 77.7-111		06/27/13 00:29	BP	SW 8260B
Surrogate: Bromofluorobenzene	87 % 74-125		06/27/13 00:29	BP	SW 8260B



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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 B310548 - 04-No Prep VOA								
Blank (B310548-BLK1)			Prepared & Analyzed: 06/26/13					
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						
<i>Surrogate: 1,2-Dichloroethane-d4</i>	25.3	ug/L	30.00		84	59.4-135		
<i>Surrogate: Toluene-d8</i>	24.8	ug/L	30.00		83	77.7-111		
<i>Surrogate: Bromofluorobenzene</i>	27.5	ug/L	30.00		92	74-125		
LCS (B310548-BS1)			Prepared & Analyzed: 06/26/13					
1,1-Dichloroethene	20	ug/L	20.00		100	84-127		
1,2-Dichloroethane	19	ug/L	20.00		97	86-134		
1,4-Dichlorobenzene	22	ug/L	20.00		108	82-121		
2-Butanone	19	ug/L	20.00		97	42-133		
Benzene	18	ug/L	20.00		92	88-117		
Carbon tetrachloride	22	ug/L	20.00		109	77-132		
Chlorobenzene	20	ug/L	20.00		99	87-112		
Chloroform	21	ug/L	20.00		105	78-132		
Tetrachloroethene	18	ug/L	20.00		91	74-124		
Trichloroethene	20	ug/L	20.00		99	90-126		
Vinyl chloride	18	ug/L	20.00		91	56-121		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	26.4	ug/L	30.00		88	58.5-138		
<i>Surrogate: Toluene-d8</i>	26.1	ug/L	30.00		87	70.3-119		
<i>Surrogate: Bromofluorobenzene</i>	27.5	ug/L	30.00		92	74-126		
Matrix Spike (B310548-MS1)			Source: 3063094-01		Prepared & Analyzed: 06/26/13			
1,1-Dichloroethene	473	ug/L	500.0	ND	95	32-165		
1,2-Dichloroethane	478	ug/L	500.0	ND	96	88-130		
1,4-Dichlorobenzene	521	ug/L	500.0	ND	104	75-121		
Benzene	504	ug/L	500.0	81	85	64-132		
Carbon tetrachloride	506	ug/L	500.0	ND	101	34-160		
Chlorobenzene	461	ug/L	500.0	ND	92	73-123		
Chloroform	498	ug/L	500.0	ND	100	68-141		
Tetrachloroethene	400	ug/L	500.0	ND	80	16-164		



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Laboratory Results

Volatile Organics - TCLP - Quality Control

Table with columns: Analyte, Result, Units, Spike Level, Source Result, %REC, %REC Limits, RPD, RPD Limit. Includes sections for Matrix Spike (B310548-MS1), Matrix Spike (B310548-MS2), Matrix Spike (B310548-MS3), and Matrix Spike (B310548-MS4).

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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 B310548 - 04-No Prep VOA									
Matrix Spike (B310548-MS4)		Source: 3063094-04		Prepared & Analyzed: 06/26/13					
1,4-Dichlorobenzene	Q1	407	ug/L	500.0	40	73	75-121		
2-Butanone	Q4	4590	ug/L	500.0	3590	201	5-176		
Benzene	Q1	360	ug/L	500.0	54	61	64-132		
Carbon tetrachloride		207	ug/L	500.0	ND	41	34-160		
Chlorobenzene		381	ug/L	500.0	ND	76	73-123		
Chloroform		410	ug/L	500.0	ND	82	68-141		
Tetrachloroethene		215	ug/L	500.0	ND	43	16-164		
Trichloroethene		329	ug/L	500.0	ND	66	45-161		
Vinyl chloride		108	ug/L	500.0	ND	22	10-152		
Surrogate: 1,2-Dichloroethane-d4		25.2	ug/L	30.00		84	59-133		
Surrogate: Toluene-d8		24.9	ug/L	30.00		83	78.2-110		
Surrogate: Bromofluorobenzene		26.1	ug/L	30.00		87	72.2-127		
Matrix Spike (B310548-MS5)		Source: 3063094-05		Prepared & Analyzed: 06/26/13					
1,1-Dichloroethene		467	ug/L	500.0	ND	93	32-165		
1,2-Dichloroethane		482	ug/L	500.0	ND	96	88-130		
1,4-Dichlorobenzene		521	ug/L	500.0	ND	104	75-121		
2-Butanone	Q4	3600	ug/L	500.0	2430	233	5-176		
Benzene		435	ug/L	500.0	8	85	64-132		
Carbon tetrachloride		468	ug/L	500.0	ND	94	34-160		
Chlorobenzene		469	ug/L	500.0	ND	94	73-123		
Chloroform		522	ug/L	500.0	ND	104	68-141		
Tetrachloroethene		385	ug/L	500.0	ND	77	16-164		
Trichloroethene		456	ug/L	500.0	ND	91	45-161		
Vinyl chloride		395	ug/L	500.0	ND	79	10-152		
Surrogate: 1,2-Dichloroethane-d4		27.1	ug/L	30.00		90	59-133		
Surrogate: Toluene-d8		25.4	ug/L	30.00		85	78.2-110		
Surrogate: Bromofluorobenzene		26.1	ug/L	30.00		87	72.2-127		
Matrix Spike (B310548-MS6)		Source: 3063094-06		Prepared & Analyzed: 06/26/13					
1,1-Dichloroethene	Q1	97	ug/L	500.0	ND	19	32-165		
1,2-Dichloroethane	Q1	408	ug/L	500.0	ND	82	88-130		
1,4-Dichlorobenzene	Q1	388	ug/L	500.0	52	67	75-121		
2-Butanone	Q4	3970	ug/L	500.0	3160	164	5-176		
Benzene	Q1	299	ug/L	500.0	68	46	64-132		
Carbon tetrachloride	Q1	92	ug/L	500.0	ND	18	34-160		
Chlorobenzene	Q1	275	ug/L	500.0	ND	55	73-123		
Chloroform	Q1	285	ug/L	500.0	ND	57	68-141		
Tetrachloroethene		120	ug/L	500.0	ND	24	16-164		
Trichloroethene	Q1	179	ug/L	500.0	ND	36	45-161		

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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 B310548 - 04-No Prep VOA								
Matrix Spike (B310548-MS6)		Source: 3063094-06		Prepared & Analyzed: 06/26/13				
Vinyl chloride	52	ug/L	500.0	ND	10	10-152		
Surrogate: 1,2-Dichloroethane-d4	26.4	ug/L	30.00		88	59-133		
Surrogate: Toluene-d8	25.4	ug/L	30.00		85	78.2-110		
Surrogate: Bromofluorobenzene	26.5	ug/L	30.00		88	72.2-127		
Matrix Spike (B310548-MS7)		Source: 3063094-07		Prepared & Analyzed: 06/26/13				
1,1-Dichloroethene	209	ug/L	500.0	ND	42	32-165		
1,2-Dichloroethane	Q1 437	ug/L	500.0	ND	87	88-130		
1,4-Dichlorobenzene	431	ug/L	500.0	ND	86	75-121		
2-Butanone	560	ug/L	500.0	61	100	5-176		
Benzene	363	ug/L	500.0	42	64	64-132		
Carbon tetrachloride	219	ug/L	500.0	ND	44	34-160		
Chlorobenzene	363	ug/L	500.0	ND	73	73-123		
Chloroform	359	ug/L	500.0	ND	72	68-141		
Tetrachloroethene	218	ug/L	500.0	ND	44	16-164		
Trichloroethene	275	ug/L	500.0	ND	55	45-161		
Vinyl chloride	112	ug/L	500.0	ND	22	10-152		
Surrogate: 1,2-Dichloroethane-d4	22.9	ug/L	30.00		76	59-133		
Surrogate: Toluene-d8	24.0	ug/L	30.00		80	78.2-110		
Surrogate: Bromofluorobenzene	25.5	ug/L	30.00		85	72.2-127		
Batch B310549 - 04-No Prep VOA								
Blank (B310549-BLK1)		Prepared & Analyzed: 06/26/13						
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	24.5	ug/L	30.00		82	59.4-135		
Surrogate: Toluene-d8	25.2	ug/L	30.00		84	77.7-111		
Surrogate: Bromofluorobenzene	25.9	ug/L	30.00		86	74-125		
LCS (B310549-BS1)		Prepared & Analyzed: 06/26/13						
1,1-Dichloroethene	19	ug/L	20.00		95	84-127		



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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 B310549 - 04-No Prep VOA								
LCS (B310549-BS1)			Prepared & Analyzed: 06/26/13					
1,2-Dichloroethane	21	ug/L	20.00		106	86-134		
1,4-Dichlorobenzene	22	ug/L	20.00		112	82-121		
2-Butanone	19	ug/L	20.00		97	42-133		
Benzene	19	ug/L	20.00		95	88-117		
Carbon tetrachloride	20	ug/L	20.00		102	77-132		
Chlorobenzene	20	ug/L	20.00		98	87-112		
Chloroform	21	ug/L	20.00		106	78-132		
Tetrachloroethene	20	ug/L	20.00		100	74-124		
Trichloroethene	20	ug/L	20.00		101	90-126		
Vinyl chloride	16	ug/L	20.00		79	56-121		
Surrogate: 1,2-Dichloroethane-d4	27.5	ug/L	30.00		92	58.5-138		
Surrogate: Toluene-d8	29.5	ug/L	30.00		98	70.3-119		
Surrogate: Bromofluorobenzene	27.6	ug/L	30.00		92	74-126		
Matrix Spike (B310549-MS1)			Source: 3063094-08		Prepared & Analyzed: 06/26/13			
1,1-Dichloroethene	268	ug/L	500.0	ND	54	32-165		
1,2-Dichloroethane	Q1 423	ug/L	500.0	ND	85	88-130		
1,4-Dichlorobenzene	416	ug/L	500.0	40	75	75-121		
2-Butanone	Q4 4560	ug/L	500.0	3120	288	5-176		
Benzene	381	ug/L	500.0	53	66	64-132		
Carbon tetrachloride	287	ug/L	500.0	ND	57	34-160		
Chlorobenzene	396	ug/L	500.0	ND	79	73-123		
Chloroform	402	ug/L	500.0	ND	80	68-141		
Tetrachloroethene	274	ug/L	500.0	ND	55	16-164		
Trichloroethene	322	ug/L	500.0	ND	64	45-161		
Vinyl chloride	176	ug/L	500.0	ND	35	10-152		
Surrogate: 1,2-Dichloroethane-d4	25.2	ug/L	30.00		84	59-133		
Surrogate: Toluene-d8	25.0	ug/L	30.00		83	78.2-110		
Surrogate: Bromofluorobenzene	26.3	ug/L	30.00		88	72.2-127		
Matrix Spike (B310549-MS2)			Source: 3063094-09		Prepared & Analyzed: 06/26/13			
1,1-Dichloroethene	244	ug/L	500.0	ND	49	32-165		
1,2-Dichloroethane	Q1 409	ug/L	500.0	ND	82	88-130		
1,4-Dichlorobenzene	394	ug/L	500.0	ND	79	75-121		
2-Butanone	Q4 4630	ug/L	500.0	3650	196	5-176		
Benzene	371	ug/L	500.0	38	67	64-132		
Carbon tetrachloride	264	ug/L	500.0	ND	53	34-160		
Chlorobenzene	375	ug/L	500.0	ND	75	73-123		
Chloroform	391	ug/L	500.0	ND	78	68-141		
Tetrachloroethene	260	ug/L	500.0	ND	52	16-164		



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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 B310549 - 04-No Prep VOA								
Matrix Spike (B310549-MS2)			Source: 3063094-09		Prepared & Analyzed: 06/26/13			
Trichloroethene	297	ug/L	500.0	ND	59	45-161		
Vinyl chloride	141	ug/L	500.0	ND	28	10-152		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>27.0</i>	<i>ug/L</i>	<i>30.00</i>		<i>90</i>	<i>59-133</i>		
<i>Surrogate: Toluene-d8</i>	<i>25.9</i>	<i>ug/L</i>	<i>30.00</i>		<i>86</i>	<i>78.2-110</i>		
<i>Surrogate: Bromofluorobenzene</i>	<i>26.4</i>	<i>ug/L</i>	<i>30.00</i>		<i>88</i>	<i>72.2-127</i>		
Matrix Spike (B310549-MS3)			Source: 3063094-10		Prepared & Analyzed: 06/26/13			
1,1-Dichloroethene	182	ug/L	500.0	ND	36	32-165		
1,2-Dichloroethane	Q1 405	ug/L	500.0	ND	81	88-130		
1,4-Dichlorobenzene	435	ug/L	500.0	47	78	75-121		
2-Butanone	Q4 4090	ug/L	500.0	3130	191	5-176		
Benzene	Q1 338	ug/L	500.0	47	58	64-132		
Carbon tetrachloride	206	ug/L	500.0	ND	41	34-160		
Chlorobenzene	366	ug/L	500.0	ND	73	73-123		
Chloroform	380	ug/L	500.0	ND	76	68-141		
Tetrachloroethene	213	ug/L	500.0	ND	43	16-164		
Trichloroethene	268	ug/L	500.0	ND	54	45-161		
Vinyl chloride	95	ug/L	500.0	ND	19	10-152		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>24.7</i>	<i>ug/L</i>	<i>30.00</i>		<i>82</i>	<i>59-133</i>		
<i>Surrogate: Toluene-d8</i>	<i>24.7</i>	<i>ug/L</i>	<i>30.00</i>		<i>82</i>	<i>78.2-110</i>		
<i>Surrogate: Bromofluorobenzene</i>	<i>27.2</i>	<i>ug/L</i>	<i>30.00</i>		<i>91</i>	<i>72.2-127</i>		
Matrix Spike (B310549-MS4)			Source: 3063094-11		Prepared & Analyzed: 06/26/13			
1,1-Dichloroethene	Q1 100	ug/L	500.0	ND	20	32-165		
1,2-Dichloroethane	Q1 419	ug/L	500.0	ND	84	88-130		
1,4-Dichlorobenzene	Q1 360	ug/L	500.0	ND	72	75-121		
2-Butanone	Q4 4030	ug/L	500.0	3260	152	5-176		
Benzene	Q1 282	ug/L	500.0	39	49	64-132		
Carbon tetrachloride	Q1 94	ug/L	500.0	ND	19	34-160		
Chlorobenzene	Q1 305	ug/L	500.0	ND	61	73-123		
Chloroform	Q1 321	ug/L	500.0	ND	64	68-141		
Tetrachloroethene	129	ug/L	500.0	ND	26	16-164		
Trichloroethene	Q1 197	ug/L	500.0	ND	39	45-161		
Vinyl chloride	52	ug/L	500.0	ND	10	10-152		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>26.6</i>	<i>ug/L</i>	<i>30.00</i>		<i>89</i>	<i>59-133</i>		
<i>Surrogate: Toluene-d8</i>	<i>26.0</i>	<i>ug/L</i>	<i>30.00</i>		<i>87</i>	<i>78.2-110</i>		
<i>Surrogate: Bromofluorobenzene</i>	<i>28.2</i>	<i>ug/L</i>	<i>30.00</i>		<i>94</i>	<i>72.2-127</i>		
Matrix Spike (B310549-MS5)			Source: 3063094-12		Prepared: 06/26/13 Analyzed: 06/27/13			
1,1-Dichloroethene	169	ug/L	500.0	ND	34	32-165		
1,2-Dichloroethane	Q1 401	ug/L	500.0	ND	80	88-130		

3063094



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Scott Fedak

Date Received: 06/20/13 17:00
Report Date: 07/01/13
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 B310549 - 04-No Prep VOA								
Matrix Spike (B310549-MS5)		Source: 3063094-12		Prepared: 06/26/13 Analyzed: 06/27/13				
1,4-Dichlorobenzene	Q1 354	ug/L	500.0	ND	71	75-121		
2-Butanone	Q4 4060	ug/L	500.0	3030	207	5-176		
Benzene	Q1 344	ug/L	500.0	62	56	64-132		
Carbon tetrachloride	189	ug/L	500.0	ND	38	34-160		
Chlorobenzene	Q1 337	ug/L	500.0	ND	67	73-123		
Chloroform	345	ug/L	500.0	ND	69	68-141		
Tetrachloroethene	191	ug/L	500.0	ND	38	16-164		
Trichloroethene	238	ug/L	500.0	ND	48	45-161		
Vinyl chloride	84	ug/L	500.0	ND	17	10-152		
Surrogate: 1,2-Dichloroethane-d4	25.9	ug/L	30.00		86	59-133		
Surrogate: Toluene-d8	25.7	ug/L	30.00		86	78.2-110		
Surrogate: Bromofluorobenzene	27.2	ug/L	30.00		91	72.2-127		
Matrix Spike (B310549-MS6)		Source: 3063094-13		Prepared: 06/26/13 Analyzed: 06/27/13				
1,1-Dichloroethene	Q1 101	ug/L	500.0	ND	20	32-165		
1,2-Dichloroethane	Q1 371	ug/L	500.0	ND	74	88-130		
1,4-Dichlorobenzene	Q1 360	ug/L	500.0	ND	72	75-121		
2-Butanone	Q4 3940	ug/L	500.0	3280	132	5-176		
Benzene	Q1 277	ug/L	500.0	39	48	64-132		
Carbon tetrachloride	Q1 101	ug/L	500.0	ND	20	34-160		
Chlorobenzene	Q1 289	ug/L	500.0	ND	58	73-123		
Chloroform	Q1 287	ug/L	500.0	ND	57	68-141		
Tetrachloroethene	139	ug/L	500.0	ND	28	16-164		
Trichloroethene	Q1 184	ug/L	500.0	ND	37	45-161		
Vinyl chloride	50	ug/L	500.0	ND	10	10-152		
Surrogate: 1,2-Dichloroethane-d4	24.1	ug/L	30.00		80	59-133		
Surrogate: Toluene-d8	25.1	ug/L	30.00		84	78.2-110		
Surrogate: Bromofluorobenzene	26.3	ug/L	30.00		88	72.2-127		
Batch B310827 - 04-No Prep VOA								
Blank (B310827-BLK1)		Prepared & Analyzed: 07/01/13						
2-Butanone	< 10	ug/L						
Surrogate: 1,2-Dichloroethane-d4	24.9	ug/L	30.00		83	59.4-135		
Surrogate: Toluene-d8	25.8	ug/L	30.00		86	77.7-111		
Surrogate: Bromofluorobenzene	27.9	ug/L	30.00		93	74-125		
LCS (B310827-BS1)		Prepared & Analyzed: 07/01/13						
2-Butanone	17	ug/L	20.00		86	42-133		
Surrogate: 1,2-Dichloroethane-d4	24.9	ug/L	30.00		83	58.5-138		
Surrogate: Toluene-d8	25.2	ug/L	30.00		84	70.3-119		



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Scott Fedak

Date Received: 06/20/13 17:00
Report Date: 07/01/13
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 B310827 - 04-No Prep VOA								
LCS (B310827-BS1)			Prepared & Analyzed: 07/01/13					
Surrogate: Bromofluorobenzene	27.2	ug/L	30.00		91	74-126		
Matrix Spike (B310827-MS1)			Source: 3063094-01RE1 Prepared & Analyzed: 07/01/13					
2-Butanone	Q4 7410	ug/L	1000	4400	301	5-176		
Surrogate: 1,2-Dichloroethane-d4	27.6	ug/L	30.00		92	59-133		
Surrogate: Toluene-d8	25.9	ug/L	30.00		86	78.2-110		
Surrogate: Bromofluorobenzene	28.4	ug/L	30.00		95	72.2-127		



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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.
- Q1 MS Failed %R

Certified by: Barb Pandolfo For Roxann Shull, Client Services Supervisor



PDC Laboratories, Inc. – St. Louis
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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. (BLF)		PROJECT NUMBER	P.O. NUMBER 3496414	MEANS SHIPPED		3 ANALYSIS REQUESTED		4 (FOR LAB USE ONLY) LOGIN # 3063094 LOGGED BY: LS LAB PROJ. # TEMPLATE: LS PROJ. MGR.: LS	
ADDRESS 13570 ST. CHARLES ROCK ROAD		PHONE NUMBER	FAX NUMBER	EMAIL ADDRESS		TCLP Benzene (B448) 		REMARKS	
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							
2 SAMPLE DESCRIPTION AS YOU WANT ON REPORT		DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	MATRIX COMP TYPE	Bottle Count			
✓ TANK 85 - TCLP		6/20/13	1100	X --	L'CHT	2	X		
✓ TANK 101 - TCLP			1145						
✓ TANK 102 - TCLP			1155						
✓ TANK 140 - TCLP			1245						
✓ TANK 67 - TCLP			1300						
✓ TANK 137 - TCLP			1320						
✓ TANK 136 - TCLP			1330						
✓ TANK 135 - TCLP			1440						
✓ TANK 134 - TCLP			1450						
✓ TANK 133 - TCLP			1510						
✓ TANK 132 - TCLP			1520						
✓ TANK 125 - TCLP			1550						
5 TURNAROUND TIME (RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE) NORMAL (8-10 Bus. Days) <u>RUSH (5 Bus. Days)</u> Fastrak™ (3 Bus. Days) 1-2 Bus. Days Same Day DATE DUE _____		The sample temperature will be measured upon receipt at the lab. By initialing this area, you request that the lab notify you, before proceeding with analysis, if the sample temperature is outside of the range of 0.1-6.0°C. By not initialing this area, you allow the lab to proceed with analytical testing regardless of the sample temperature.							
RESULTS BY: <u>E-MAIL</u> FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE								6	
7 RELINQUISHED BY: (SIGNATURE) Scott C. Fedak		DATE 6/20/13	TIME 1740	RECEIVED BY: H. Carter		DATE 6/20/13	TIME 17:00	8 COMMENTS: (FOR LAB USE ONLY)	
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY:		DATE	TIME	SAMPLE TEMPERATURE UPON RECEIPT CHILL PROCESS STARTED PRIOR TO RECEIPT SAMPLE(S) RECEIVED ON ICE PROPER BOTTLES RECEIVED IN GOOD CONDITION BOTTLES FILLED WITH ADEQUATE VOLUME SAMPLES RECEIVED WITHIN HOLD TIME(S) (EXCLUDES TYPICAL FIELD PARAMETERS) DATE AND TIME TAKEN FROM SAMPLE BOTTLE	
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY:		DATE	TIME		
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY:		DATE	TIME		



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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	3 ANALYSIS REQUESTED (TCLP Benzene (50ppb))		4 (FOR LAB USE ONLY) LOGIN # <u>30230914</u> LOGGED BY: <u>KS</u> LAB PROJ. # TEMPLATE: PROJ. MGR.: <u>KS</u>	
ADDRESS 13570 ST. CHARLES ROCK ROAD		PHONE NUMBER	FAX NUMBER	EMAIL ADDRESS			REMARKS	
CITY 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 <i>Scott C. Fedak</i>							
2 SAMPLE DESCRIPTION AS YOU WANT ON REPORT		DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE	MATRIX TYPE	Bottle Count		
TANK 118 - TCLP		6/20/13	1600	X --	L'CHT	2	X	
5 TURNAROUND TIME (RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE) NORMAL (8-10 Bus. Days) <u>RUSH (5 Bus. Days)</u> Fastrak™ (3 Bus. Days) 1-2 Bus. Days Same Day DATE DUE _____				The sample temperature will be measured upon receipt at the lab. By initialing this area, you request that the lab notify you, before proceeding with analysis, if the sample temperature is outside of the range of 0.1-6.0°C. By not initialing this area, you allow the lab to proceed with analytical testing regardless of the sample temperature. _____				
RESULTS BY: <u>E-MAIL</u> FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE				6				
7 RELINQUISHED BY: (SIGNATURE) <i>Scott C. Fedak</i>		DATE 6/20/13	TIME 1700	RECEIVED BY: <i>Heather Coakley</i>	DATE 6/20/13	TIME 17:00	8 COMMENTS: (FOR LAB USE ONLY)	
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY:	DATE	TIME	SAMPLE TEMPERATURE UPON RECEIPT _____°C CHILL PROCESS STARTED PRIOR TO RECEIPT Y OR N SAMPLE(S) RECEIVED ON ICE Y OR N PROPER BOTTLES RECEIVED IN GOOD CONDITION Y OR N BOTTLES FILLED WITH ADEQUATE VOLUME Y OR N SAMPLES RECEIVED WITHIN HOLD TIME(S) Y OR N (EXCLUDES TYPICAL FIELD PARAMETERS) DATE AND TIME TAKEN FROM SAMPLE BOTTLE _____	
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY:	DATE	TIME		
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY:	DATE	TIME		



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

Date Received: 06/25/13 17:00
Report Date: 07/01/13
Customer #: 277310

Laboratory Results

Sample No: **3063540-01**
Sample Description: **Raw Leachate**

Collect Date: **06/25/13 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Anions - STL</u>					
Chloride	5400 mg/L		06/26/13 14:22	DWM	EPA 300.0 R2.1 04KS
Nitrate-N	< 25 mg/L		06/26/13 13:29	DWM	EPA 300.0 R2.1 04KS
Nitrite-N	< 25 mg/L		06/26/13 13:29	DWM	EPA 300.0 R2.1 04KS
<u>General Chemistry - STL</u>					
Nitrite / Nitrate	< 50 mg/L		06/26/13 13:29	DWM	
BOD	48000 mg/L		06/26/13 06:40	DAW	SM 5210B 18Ed 04KS
COD	73000 mg/L		06/26/13 12:00	DAW	SM 5220D 18Ed 04KS
Conductivity	25000 umhos/cm		06/26/13 12:00	DAW	SM 2510B 18Ed*
pH	5.4 pH Units	H	06/26/13 10:30	ACV	SM 4500-H B 04KS 18Ed - EPA 150.1 - SW 9040B
Solids - total dissolved solids (TDS)	59000 mg/L		06/26/13 12:30	DAW	SM 2540C 18Ed*
Solids - total suspended solids (TSS)	430 mg/L		06/26/13 10:23	DAW	SM 2540D 18Ed 04KS
<u>Nutrients - STL</u>					
Ammonia-N	880 mg/L		06/26/13 12:00	ACV	SM(18) 4500 NH3 04KS F
Phosphorus - total as P	< 0.50 mg/L		06/27/13 11:00	ACV	SM 4500P B E 04KS 18ed
<u>Total Metals - STL</u>					
Aluminum	8.0 mg/L		06/27/13 15:34	WPS	EPA 200.7 R4.4*
Mercury	< 0.0020 mg/L		06/27/13 15:13	KAE	EPA 245.1 R3.0 / 04KS SW 7470A
Arsenic	0.52 mg/L		06/27/13 15:34	WPS	EPA 200.7 R4.4 04KS
Barium	4.0 mg/L		06/27/13 15:34	WPS	EPA 200.7 R4.4 04KS
Cadmium	0.077 mg/L		06/27/13 15:34	WPS	EPA 200.7 R4.4 04KS
Chromium	0.32 mg/L		06/27/13 15:34	WPS	EPA 200.7 R4.4 04KS
Cobalt	0.073 mg/L		06/27/13 15:34	WPS	EPA 200.7 R4.4 04KS
Copper	0.019 mg/L		06/27/13 15:34	WPS	EPA 200.7 R4.4 04KS
Iron	1100 mg/L		06/27/13 15:54	WPS	EPA 200.7 R4.4 04KS
Lead	0.13 mg/L		06/27/13 15:34	WPS	EPA 200.7 R4.4 04KS
Selenium	0.084 mg/L		06/27/13 15:34	WPS	EPA 200.7 R4.4 04KS
Silver	0.010 mg/L		06/27/13 15:34	WPS	EPA 200.7 R4.4 04KS
Thallium	< 0.020 mg/L		06/27/13 15:34	WPS	EPA 200.7 R4.4 04KS
Zinc	20 mg/L		06/27/13 15:34	WPS	EPA 200.7 R4.4 04KS



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

Date Received: 06/25/13 17:00
Report Date: 07/01/13
Customer #: 277310

Laboratory Results

Sample No: **3063540-02**
Sample Description: **Low Ph 9.0 Treated**

Collect Date: **06/25/13 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Anions - STL</u>					
Chloride	5200 mg/L		06/26/13 14:40	DWM	EPA 300.0 R2.1 04KS
Nitrate-N	27 mg/L		06/26/13 13:47	DWM	EPA 300.0 R2.1 04KS
Nitrite-N	< 25 mg/L		06/26/13 13:47	DWM	EPA 300.0 R2.1 04KS
<u>General Chemistry - STL</u>					
Nitrite / Nitrate	< 50 mg/L		06/26/13 13:47	DWM	
BOD	46000 mg/L		06/26/13 06:40	DAW	SM 5210B 18Ed 04KS
COD	68000 mg/L		06/26/13 12:00	DAW	SM 5220D 18Ed 04KS
Conductivity	26000 umhos/cm		06/26/13 12:00	DAW	SM 2510B 18Ed*
pH	9.1 pH Units	H	06/26/13 10:30	ACV	SM 4500-H B 04KS 18Ed - EPA 150.1 - SW 9040B
Solids - total dissolved solids (TDS)	58000 mg/L		06/26/13 12:30	DAW	SM 2540C 18Ed*
Solids - total suspended solids (TSS)	65 mg/L		06/26/13 10:23	DAW	SM 2540D 18Ed 04KS
<u>Nutrients - STL</u>					
Ammonia-N	780 mg/L		06/26/13 12:00	ACV	SM(18) 4500 NH3 04KS F
Phosphorus - total as P	< 0.50 mg/L		06/27/13 11:00	ACV	SM 4500P B E 04KS 18ed
<u>Total Metals - STL</u>					
Aluminum	0.46 mg/L		06/27/13 15:38	WPS	EPA 200.7 R4.4*
Mercury	< 0.0020 mg/L		06/27/13 15:13	KAE	EPA 245.1 R3.0 / 04KS SW 7470A
Arsenic	0.48 mg/L		06/27/13 15:38	WPS	EPA 200.7 R4.4 04KS
Barium	3.6 mg/L		06/27/13 15:38	WPS	EPA 200.7 R4.4 04KS
Cadmium	0.0061 mg/L		06/27/13 15:38	WPS	EPA 200.7 R4.4 04KS
Chromium	0.16 mg/L		06/27/13 15:38	WPS	EPA 200.7 R4.4 04KS
Cobalt	0.032 mg/L		06/27/13 15:38	WPS	EPA 200.7 R4.4 04KS
Copper	0.0041 mg/L		06/27/13 15:38	WPS	EPA 200.7 R4.4 04KS
Iron	89 mg/L		06/27/13 15:58	WPS	EPA 200.7 R4.4 04KS
Lead	0.019 mg/L		06/27/13 15:38	WPS	EPA 200.7 R4.4 04KS
Selenium	0.086 mg/L		06/27/13 15:38	WPS	EPA 200.7 R4.4 04KS
Silver	0.0039 mg/L		06/27/13 15:38	WPS	EPA 200.7 R4.4 04KS
Thallium	< 0.020 mg/L		06/27/13 15:38	WPS	EPA 200.7 R4.4 04KS
Zinc	4.2 mg/L		06/27/13 15:38	WPS	EPA 200.7 R4.4 04KS



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Date Received: 06/25/13 17:00
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Customer #: 277310

Laboratory Results

Sample No: **3063540-03**
Sample Description: **High Ph 10.5 Treated**

Collect Date: **06/25/13 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Anions - STL</u>					
Chloride	4900 mg/L		06/26/13 14:58	DWM	EPA 300.0 R2.1 04KS
Nitrate-N	12 mg/L		06/26/13 14:05	DWM	EPA 300.0 R2.1 04KS
Nitrite-N	< 10 mg/L		06/26/13 14:05	DWM	EPA 300.0 R2.1 04KS
<u>General Chemistry - STL</u>					
Nitrite / Nitrate	< 20 mg/L		06/26/13 14:05	DWM	
BOD	40000 mg/L		06/26/13 06:40	DAW	SM 5210B 18Ed 04KS
COD	70000 mg/L		06/26/13 12:00	DAW	SM 5220D 18Ed 04KS
Conductivity	25000 umhos/cm		06/26/13 12:00	DAW	SM 2510B 18Ed*
pH	10 pH Units	H	06/26/13 10:30	ACV	SM 4500-H B 04KS 18Ed - EPA 150.1 - SW 9040B
Solids - total dissolved solids (TDS)	62000 mg/L		06/26/13 12:30	DAW	SM 2540C 18Ed*
Solids - total suspended solids (TSS)	530 mg/L		06/26/13 10:23	DAW	SM 2540D 18Ed 04KS
<u>Nutrients - STL</u>					
Ammonia-N	660 mg/L		06/26/13 12:00	ACV	SM(18) 4500 NH3 04KS F
Phosphorus - total as P	< 0.50 mg/L		06/27/13 11:00	ACV	SM 4500P B E 04KS 18ed
<u>Total Metals - STL</u>					
Aluminum	0.44 mg/L		06/27/13 15:42	WPS	EPA 200.7 R4.4*
Mercury	< 0.0020 mg/L		06/27/13 15:13	KAE	EPA 245.1 R3.0 / 04KS SW 7470A
Arsenic	0.52 mg/L		06/27/13 15:42	WPS	EPA 200.7 R4.4 04KS
Barium	3.6 mg/L		06/27/13 15:42	WPS	EPA 200.7 R4.4 04KS
Cadmium	< 0.0020 mg/L		06/27/13 15:42	WPS	EPA 200.7 R4.4 04KS
Chromium	0.11 mg/L		06/27/13 15:42	WPS	EPA 200.7 R4.4 04KS
Cobalt	0.021 mg/L		06/27/13 15:42	WPS	EPA 200.7 R4.4 04KS
Copper	0.0066 mg/L		06/27/13 15:42	WPS	EPA 200.7 R4.4 04KS
Iron	15 mg/L		06/27/13 15:42	WPS	EPA 200.7 R4.4 04KS
Lead	< 0.010 mg/L		06/27/13 15:42	WPS	EPA 200.7 R4.4 04KS
Selenium	0.077 mg/L		06/27/13 15:42	WPS	EPA 200.7 R4.4 04KS
Silver	< 0.0020 mg/L		06/27/13 15:42	WPS	EPA 200.7 R4.4 04KS
Thallium	< 0.020 mg/L		06/27/13 15:42	WPS	EPA 200.7 R4.4 04KS
Zinc	1.1 mg/L		06/27/13 15:42	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: 06/25/13 17:00
Report Date: 07/01/13
Customer #: 277310

Laboratory Results

Sample No: **3063540-04**
Sample Description: **Ph 10.5 Sludge**

Collect Date: **06/25/13 00:00**
Matrix: **Sludge**

Parameters	Result	Qual	Analysis Date	Analyst	Method
General Chemistry - STL					
BOD	45000 mg/kg wet		06/26/13 06:40	DAW	SM 5210B 18Ed*
COD	66000 mg/kg		06/26/13 12:00	DAW	SM 5220D 18Ed*
pH	10 pH Units	H	06/26/13 10:30	ACV	SW 9045C 04KS
Solids - total suspended solids (TSS)	17000 mg/kg		06/26/13 11:40	DAW	SM 2540D 18Ed*

Sample No: **3063540-05**
Sample Description: **Ph 9.0 Sludge**

Collect Date: **06/25/13 00:00**
Matrix: **Sludge**

Parameters	Result	Qual	Analysis Date	Analyst	Method
General Chemistry - STL					
BOD	45000 mg/kg wet		06/26/13 06:40	DAW	SM 5210B 18Ed*
COD	64000 mg/kg		06/26/13 12:00	DAW	SM 5220D 18Ed*
pH	9.0 pH Units	H	06/26/13 10:30	ACV	SW 9045C 04KS
Solids - total suspended solids (TSS)	11000 mg/kg		06/26/13 11:40	DAW	SM 2540D 18Ed*



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Date Received: 06/25/13 17:00
Report Date: 07/01/13
Customer #: 277310

Laboratory Results

General Chemistry - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B310525 - 04-No Prep WC								
Blank (B310525-BLK1)			Prepared & Analyzed: 06/26/13					
BOD	< 6.0	mg/L						
LCS (B310525-BS1)			Prepared & Analyzed: 06/26/13					
BOD	204	mg/L	198.0		103	34.6-115.4		
Duplicate (B310525-DUP1)			Prepared & Analyzed: 06/26/13					
BOD	586	mg/L		609			4	20
Duplicate (B310525-DUP2)			Prepared & Analyzed: 06/26/13					
BOD	537	mg/L		550			2	20
Batch B310526 - 04-No Prep WC								
Blank (B310526-BLK1)			Prepared & Analyzed: 06/26/13					
COD	< 5.0	mg/L						
Blank (B310526-BLK2)			Prepared & Analyzed: 06/26/13					
COD	< 100	mg/L						
LCS (B310526-BS1)			Prepared & Analyzed: 06/26/13					
COD	99.1	mg/L	100.0		99	95-105		
LCS (B310526-BS2)			Prepared & Analyzed: 06/26/13					
COD	521	mg/L	500.0		104	95-105		
Duplicate (B310526-DUP1)			Prepared & Analyzed: 06/26/13					
COD	5.10	mg/L		5.10			0	20
Duplicate (B310526-DUP2)			Prepared & Analyzed: 06/26/13					
COD	190	mg/L		192			1	20
Batch B310560 - 04-No Prep WC								
Blank (B310560-BLK1)			Prepared & Analyzed: 06/26/13					
Solids - total dissolved solids (TDS)	< 17	mg/L						
LCS (B310560-BS1)			Prepared & Analyzed: 06/26/13					
Solids - total dissolved solids (TDS)	970	mg/L	1000		97	75.1-119		
Duplicate (B310560-DUP1)			Prepared & Analyzed: 06/26/13					
Solids - total dissolved solids (TDS)	59700	mg/L		59100			0.9	5
Batch B310561 - 04-No Prep WC								
Blank (B310561-BLK1)			Prepared & Analyzed: 06/26/13					
Solids - total suspended solids (TSS)	< 2.0	mg/L						
LCS (B310561-BS1)			Prepared & Analyzed: 06/26/13					



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Laboratory Results

General Chemistry - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B310561 - 04-No Prep WC								
LCS (B310561-BS1)			Prepared & Analyzed: 06/26/13					
Solids - total suspended solids (TSS)	95.0	mg/L	100.0		95	82.9-110		
Duplicate (B310561-DUP1)			Prepared & Analyzed: 06/26/13					
Solids - total suspended solids (TSS)	440	mg/L		428			3	5
Batch B310563 - 04-No Prep WC Solid								
Blank (B310563-BLK1)			Prepared & Analyzed: 06/26/13					
Solids - total suspended solids (TSS)	< 0.0080	mg/kg						
Duplicate (B310563-DUP1)			Prepared & Analyzed: 06/26/13					
Solids - total suspended solids (TSS)	16600	mg/kg		16500			0.4	200
Batch B310568 - 04-No Prep WC Solid								
Blank (B310568-BLK1)			Prepared & Analyzed: 06/26/13					
COD	< 100	mg/kg						
Duplicate (B310568-DUP1)			Prepared & Analyzed: 06/26/13					
COD	66000	mg/kg		65500			0.7	200
Batch B310569 - 04-No Prep WC Solid								
Duplicate (B310569-DUP1)			Prepared & Analyzed: 06/26/13					
BOD	45000	mg/kg wet		45300			0.7	20
Batch B310570 - 04-No Prep WC								
LCS (B310570-BS1)			Prepared & Analyzed: 06/26/13					
Conductivity	1370	umhos/cm	1413		97	90-110		
Duplicate (B310570-DUP1)			Prepared & Analyzed: 06/26/13					
Conductivity	24600	umhos/cm		24700			0.4	20
Batch B310642 - 04-No Prep WC								
Calibration Check (B310642-CCV1)			Prepared & Analyzed: 06/26/13					
pH	H	6.99	pH Units	7.000	100	0-200		
Duplicate (B310642-DUP1)			Prepared & Analyzed: 06/26/13					
pH	H	5.38	pH Units	5.38			0	10
Batch B310643 - 04-No Prep WC Solid								
Calibration Check (B310643-CCV1)			Prepared & Analyzed: 06/26/13					
pH	H	7.00	pH Units	7.000	100	0-200		

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Laboratory Results

Nutrients - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B310602 - 04-No Prep WC								
Blank (B310602-BLK1)			Prepared & Analyzed: 06/26/13					
Ammonia-N	< 0.010	mg/L						
LCS (B310602-BS1)			Prepared & Analyzed: 06/26/13					
Ammonia-N	10.1	mg/L	10.00		101	80-120		
LCS (B310602-BS2)			Prepared & Analyzed: 06/26/13					
Ammonia-N	9.83	mg/L	10.00		98	80-120		
Matrix Spike (B310602-MS1)			Source: 3063330-01 Prepared & Analyzed: 06/26/13					
Ammonia-N	10.0	mg/L	10.00	ND	100	80-120		
Matrix Spike (B310602-MS2)			Source: 3063636-03 Prepared & Analyzed: 06/26/13					
Ammonia-N	10.0	mg/L	10.00	ND	100	80-120		
Matrix Spike Dup (B310602-MSD1)			Source: 3063330-01 Prepared & Analyzed: 06/26/13					
Ammonia-N	9.94	mg/L	10.00	ND	99	80-120	0.6	20
Matrix Spike Dup (B310602-MSD2)			Source: 3063636-03 Prepared & Analyzed: 06/26/13					
Ammonia-N	9.83	mg/L	10.00	ND	98	80-120	2	20

Batch B310700 - 04-No Prep WC

Blank (B310700-BLK1)			Prepared & Analyzed: 06/27/13					
Phosphorus - total as P	< 0.050	mg/L						
LCS (B310700-BS1)			Prepared & Analyzed: 06/27/13					
Phosphorus - total as P	0.516	mg/L	0.5000		103	80-120		
Matrix Spike (B310700-MS1)			Source: 3062973-02 Prepared & Analyzed: 06/27/13					
Phosphorus - total as P	6.25	mg/L	1.000	5.10	115	80-120		
Matrix Spike Dup (B310700-MSD1)			Source: 3062973-02 Prepared & Analyzed: 06/27/13					
Phosphorus - total as P	Q2 6.35	mg/L	1.000	5.10	125	80-120	2	20

Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B310583 - 04 EPA 200.2 R2.8								
Blank (B310583-BLK1)			Prepared: 06/26/13 Analyzed: 06/27/13					
Aluminum	< 0.015	mg/L						
Arsenic	< 0.015	mg/L						
Barium	< 0.010	mg/L						
Cadmium	< 0.0020	mg/L						
Chromium	< 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 B310583 - 04 EPA 200.2 R2.8								
Blank (B310583-BLK1)			Prepared: 06/26/13 Analyzed: 06/27/13					
Cobalt	< 0.0020	mg/L						
Copper	< 0.0020	mg/L						
Iron	< 0.010	mg/L						
Lead	< 0.010	mg/L						
Selenium	< 0.010	mg/L						
Silver	< 0.0020	mg/L						
Thallium	< 0.020	mg/L						
Zinc	< 0.010	mg/L						
LCS (B310583-BS1)			Prepared: 06/26/13 Analyzed: 06/27/13					
Aluminum	0.105	mg/L	0.1000		105	85-115		
Arsenic	0.101	mg/L	0.1000		101	85-115		
Barium	0.104	mg/L	0.1000		104	85-115		
Cadmium	0.103	mg/L	0.1000		103	85-115		
Chromium	0.102	mg/L	0.1000		102	85-115		
Cobalt	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	0.0993	mg/L	0.1000		99	85-115		
Selenium	0.101	mg/L	0.1000		101	85-115		
Silver	0.0270	mg/L	0.02500		108	85-115		
Thallium	0.103	mg/L	0.1000		103	85-115		
Zinc	0.104	mg/L	0.1000		104	85-115		
Matrix Spike (B310583-MS1)			Source: 3063503-01			Prepared: 06/26/13 Analyzed: 06/27/13		
Aluminum	Q4 6.87	mg/L	0.1000	7.63	NR	70-130		
Arsenic	0.0907	mg/L	0.1000	ND	91	70-130		
Barium	Q4 8.59	mg/L	0.1000	8.55	39	70-130		
Cadmium	0.112	mg/L	0.1000	0.00802	104	70-130		
Chromium	0.112	mg/L	0.1000	0.0122	100	70-130		
Cobalt	0.110	mg/L	0.1000	0.00653	103	70-130		
Copper	0.0999	mg/L	0.1000	0.00815	92	70-130		
Iron	Q4 75.6	mg/L	0.1000	83.0	NR	70-130		
Lead	0.135	mg/L	0.1000	0.0382	96	70-130		
Selenium	0.131	mg/L	0.1000	0.0106	120	70-130		
Silver	Q3 0.0269	mg/L	0.02500	0.0126	57	70-130		
Thallium	Q3 0.0141	mg/L	0.1000	ND	14	70-130		
Zinc	0.123	mg/L	0.1000	0.0171	106	70-130		
Matrix Spike Dup (B310583-MSD1)			Source: 3063503-01			Prepared: 06/26/13 Analyzed: 06/27/13		
Aluminum	Q4 6.87	mg/L	0.1000	7.63	NR	70-130	0.1	20

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St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 06/25/13 17:00
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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 B310583 - 04 EPA 200.2 R2.8								
Matrix Spike Dup (B310583-MSD1)		Source: 3063503-01		Prepared: 06/26/13 Analyzed: 06/27/13				
Arsenic	0.0956	mg/L	0.1000	ND	96	70-130	5	20
Barium	8.68	mg/L	0.1000	8.55	125	70-130	1	20
Cadmium	0.113	mg/L	0.1000	0.00802	105	70-130	0.7	20
Chromium	0.113	mg/L	0.1000	0.0122	101	70-130	1	20
Cobalt	0.110	mg/L	0.1000	0.00653	104	70-130	0.4	20
Copper	0.101	mg/L	0.1000	0.00815	93	70-130	0.9	20
Iron	Q4 77.4	mg/L	0.1000	83.0	NR	70-130	2	20
Lead	0.139	mg/L	0.1000	0.0382	101	70-130	3	20
Selenium	0.124	mg/L	0.1000	0.0106	113	70-130	6	20
Silver	Q3 0.0268	mg/L	0.02500	0.0126	57	70-130	0.3	20
Thallium	Q3 0.0120	mg/L	0.1000	ND	12	70-130	16	20
Zinc	0.125	mg/L	0.1000	0.0171	108	70-130	1	20

Batch B310622 - 04-SW 7470A/245.1

Blank (B310622-BLK1)		Prepared & Analyzed: 06/27/13						
Mercury	< 0.0002	mg/L						
LCS (B310622-BS1)		Prepared & Analyzed: 06/27/13						
Mercury	0.00210	mg/L	0.002000	105	85-115			
Matrix Spike (B310622-MS1)		Source: 3063101-01		Prepared & Analyzed: 06/27/13				
Mercury	0.00200	mg/L	0.002000	ND	100	70-130		
Matrix Spike (B310622-MS2)		Source: 3063176-01		Prepared & Analyzed: 06/27/13				
Mercury	0.00200	mg/L	0.002000	ND	100	70-130		
Matrix Spike Dup (B310622-MSD1)		Source: 3063101-01		Prepared & Analyzed: 06/27/13				
Mercury	0.00210	mg/L	0.002000	ND	105	70-130	5	20
Matrix Spike Dup (B310622-MSD2)		Source: 3063176-01		Prepared & Analyzed: 06/27/13				
Mercury	0.00210	mg/L	0.002000	ND	105	70-130	5	20

Anions - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B310629 - 04-IC No Prep								
Calibration Blank (B310629-CCB1)		Prepared & Analyzed: 06/26/13						
Nitrite-N	0.00	mg/L						
Chloride	0.182	mg/L						
Nitrate-N	0.00	mg/L						



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Laboratory Results

Anions - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B310629 - 04-IC No Prep									
Calibration Check (B310629-CCV1)				Prepared & Analyzed: 06/26/13					
Nitrite-N		3.56	mg/L	3.500		102	90-110		
Chloride		3.35	mg/L	3.500		96	90-110		
Nitrate-N		3.44	mg/L	3.500		98	90-110		
Matrix Spike (B310629-MS1)		Source: 3063633-01		Prepared & Analyzed: 06/26/13					
Nitrite-N	Q4	27.1	mg/L	5.000	25.5	33	80-120		
Chloride	Q4	11	mg/L	1.500	100	NR	80-120		
Nitrate-N		2.0	mg/L	1.130	1.1	82	80-120		
Matrix Spike Dup (B310629-MSD1)		Source: 3063633-01		Prepared & Analyzed: 06/26/13					
Chloride	Q4	8.9	mg/L	1.500	100	NR	80-120	19	20
Nitrate-N		2.0	mg/L	1.130	1.1	82	80-120	0.1	20
Nitrite-N	Q4	27.2	mg/L	5.000	25.5	34	80-120	0.05	20



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Laboratory Results

Notes

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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
- Q2 MSD failed %R
- H Test performed after the expiration of the appropriate regulatory/advisory maximum allowable hold time.

Certified by: Barb Pandolfo For Roxann Shull, Client Services Supervisor



PDC Laboratories, Inc. – St. Louis
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 Florissant, MO 63033
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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 Landfill ADDRESS: 13570 St. Charles Rock Rd. CITY: Bridgeton, MO 63044 CONTACT PERSON: Bryan Ehler		PROJECT NUMBER P. O. NUMBER MEANS SHIPPED PHONE NUMBER FAX NUMBER EMAIL ADDRESS	3 ANALYSIS REQUESTED Cond., TDS, TSS BOD, COD, NH ₃ T. Metals, Hg, Fe NO ₂ /NO ₃ , PH PO ₄ , CL BOD, COD, TSS, PH		4 (FOR LAB USE ONLY) LOGIN #: 3063540 LOGGED BY: HE LAB PROJ. # TEMPLATE: PROJ. MGR.:
2 SAMPLE DESCRIPTION AS YOU WANT ON REPORT		SAMPLER: Siemens SAMPLER'S SIGNATURE	MATRIX TYPES: WW-WASTEWATER DW-DRINKING WATER GW-GROUND WATER WWSL-SLUDGE NAS-SOLID LCHT-LEACHATE NAL-NON-AQUEOUS SOL-SOILS		REMARKS
DATE COLLECTED: 6/25/13 TIME COLLECTED: SAMPLE TYPE: X MATRIX TYPE: ww Bottle Count: 2					
Raw Leachate					
Low pH 9.0 treated					
High pH 10.5 treated pH 10.5 sludge					
pH 9.0 sludge					
5 TURNAROUND TIME (RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE) NORMAL (8-10 Bus. Days) RUSH (5 Bus. Days) <u>Fastrak™ (3 Bus. Days)</u> (1-2 Bus. Days) Same Day DATE DUE:		The sample temperature will be measured upon receipt at the lab. By initialing this area, you request that the lab notify you, before proceeding with analysis, if the sample temperature is outside of the range of 0.1-6.0°C. By not initialing this area, you allow the lab to proceed with analytical testing regardless of the sample temperature.			
RESULTS BY: E-MAIL FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE		6			
7 RELINQUISHED BY: (SIGNATURE) [Signature]		DATE: 6/25/13 TIME: 17:00	8 COMMENTS: (FOR LAB USE ONLY) SAMPLE TEMPERATURE UPON RECEIPT CHILL PROCESS STARTED PRIOR TO RECEIPT SAMPLE(S) RECEIVED ON ICE PROPER BOTTLES RECEIVED IN GOOD CONDITION BOTTLES FILLED WITH ADEQUATE VOLUME SAMPLES RECEIVED WITHIN HOLD TIME(S) (EXCLUDES TYPICAL FIELD PARAMETERS) DATE AND TIME TAKEN FROM SAMPLE BOTTLE		
RELINQUISHED BY: (SIGNATURE)		DATE: TIME:	RECEIVED BY: DATE: TIME:		
RELINQUISHED BY: (SIGNATURE)		DATE: TIME:	RECEIVED BY: DATE: TIME:		
RELINQUISHED BY: (SIGNATURE)		DATE: TIME:	RECEIVED BY: DATE: TIME:		

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Bryan Sehie

Date Received: 06/28/13 16:35
Report Date: 07/05/13
Customer #: 277310

Laboratory Results

Sample No: **3070010-01**
Sample Description: **Control**

Collect Date: **06/27/13 15:15**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
General Chemistry - STL					
BOD	31000 mg/L		06/28/13 17:00	DAW	SM 5210B 18Ed 04KS
Volatile Organics - STL					
1,1,1-Trichloroethane	< 120 ug/L		07/02/13 22:28	BP	EPA 624 04KS
1,1,2,2-Tetrachloroethane	< 120 ug/L		07/02/13 22:28	BP	EPA 624 04KS
1,1,2-Trichloroethane	< 120 ug/L		07/02/13 22:28	BP	EPA 624 04KS
1,1-Dichloroethane	< 120 ug/L		07/02/13 22:28	BP	EPA 624 04KS
1,1-Dichloroethene	< 120 ug/L		07/02/13 22:28	BP	EPA 624 04KS
1,2-Dichlorobenzene	< 120 ug/L		07/02/13 22:28	BP	EPA 624 04KS
1,2-Dichloroethane	< 120 ug/L		07/02/13 22:28	BP	EPA 624 04KS
1,2-Dichloropropane	< 120 ug/L		07/02/13 22:28	BP	EPA 624 04KS
1,3-Dichlorobenzene	< 120 ug/L		07/02/13 22:28	BP	EPA 624 04KS
1,4-Dichlorobenzene	120 ug/L		07/02/13 22:28	BP	EPA 624 04KS
2-Chloroethylvinyl ether	< 120 ug/L		07/02/13 22:28	BP	EPA 624 04KS
Acrolein	< 620 ug/L		07/02/13 22:28	BP	EPA 624 04KS
Acrylonitrile	< 250 ug/L		07/02/13 22:28	BP	EPA 624 04KS
Benzene	300 ug/L		07/02/13 22:28	BP	EPA 624 04KS
Bromodichloromethane	< 120 ug/L		07/02/13 22:28	BP	EPA 624 04KS
Bromoform	< 120 ug/L		07/02/13 22:28	BP	EPA 624 04KS
Bromomethane	< 250 ug/L		07/02/13 22:28	BP	EPA 624 04KS
Carbon tetrachloride	< 120 ug/L		07/02/13 22:28	BP	EPA 624 04KS
Chlorobenzene	< 120 ug/L		07/02/13 22:28	BP	EPA 624 04KS
Chloroethane	< 250 ug/L		07/02/13 22:28	BP	EPA 624 04KS
Chloroform	< 120 ug/L		07/02/13 22:28	BP	EPA 624 04KS
Chloromethane	< 250 ug/L		07/02/13 22:28	BP	EPA 624 04KS
cis-1,3-Dichloropropene	< 120 ug/L		07/02/13 22:28	BP	EPA 624 04KS
Dibromochloromethane	< 120 ug/L		07/02/13 22:28	BP	EPA 624 04KS
Ethylbenzene	< 120 ug/L		07/02/13 22:28	BP	EPA 624 04KS
m,p-Xylene	< 250 ug/L		07/02/13 22:28	BP	EPA 624*
Methylene chloride	< 120 ug/L		07/02/13 22:28	BP	EPA 624 04KS
o-Xylene	< 120 ug/L		07/02/13 22:28	BP	EPA 624*
Tetrachloroethene	< 120 ug/L		07/02/13 22:28	BP	EPA 624 04KS
Toluene	< 120 ug/L		07/02/13 22:28	BP	EPA 624 04KS
trans-1,2-Dichloroethene	< 120 ug/L		07/02/13 22:28	BP	EPA 624 04KS

3070010



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Attn: Bryan Sehie

Date Received: 06/28/13 16:35
Report Date: 07/05/13
Customer #: 277310

Laboratory Results

Sample No: **3070010-01**
Sample Description: **Control**

Collect Date: **06/27/13 15:15**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
trans-1,3-Dichloropropene	< 120 ug/L		07/02/13 22:28	BP	EPA 624 04KS
Trichloroethene	< 120 ug/L		07/02/13 22:28	BP	EPA 624 04KS
Trichlorofluoromethane	< 120 ug/L		07/02/13 22:28	BP	EPA 624 04KS
Vinyl chloride	< 120 ug/L		07/02/13 22:28	BP	EPA 624 04KS
Surrogate: 1,2-Dichloroethane-d4	86 % 65-134		07/02/13 22:28	BP	EPA 624
Surrogate: Toluene-d8	86 % 74.2-117		07/02/13 22:28	BP	EPA 624
Surrogate: Bromofluorobenzene	86 % 74.1-125		07/02/13 22:28	BP	EPA 624

Sample No: **3070010-01RE1**
Sample Description: **Control**

Collect Date: **06/27/13 15:15**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
Acetone	56000 ug/L		07/04/13 00:42	BP	EPA 624*
Surrogate: 1,2-Dichloroethane-d4	85 % 65-134		07/04/13 00:42	BP	EPA 624
Surrogate: Toluene-d8	87 % 74.2-117		07/04/13 00:42	BP	EPA 624
Surrogate: Bromofluorobenzene	90 % 74.1-125		07/04/13 00:42	BP	EPA 624

Sample No: **3070010-02**
Sample Description: **24-Hour**

Collect Date: **06/28/13 15:15**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
General Chemistry - STL					
BOD	32000 mg/L		06/28/13 17:00	DAW	SM 5210B 18Ed 04KS
Volatile Organics - STL					
1,1,1-Trichloroethane	< 120 ug/L		07/02/13 22:54	BP	EPA 624 04KS
1,1,2,2-Tetrachloroethane	< 120 ug/L		07/02/13 22:54	BP	EPA 624 04KS
1,1,2-Trichloroethane	< 120 ug/L		07/02/13 22:54	BP	EPA 624 04KS
1,1-Dichloroethane	< 120 ug/L		07/02/13 22:54	BP	EPA 624 04KS
1,1-Dichloroethene	< 120 ug/L		07/02/13 22:54	BP	EPA 624 04KS

3070010



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St. Louis, MO 63044
Attn: Bryan Sehie

Date Received: 06/28/13 16:35
Report Date: 07/05/13
Customer #: 277310

Laboratory Results

Sample No: **3070010-02**
Sample Description: **24-Hour**

Collect Date: **06/28/13 15:15**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
1,2-Dichlorobenzene	< 120 ug/L		07/02/13 22:54	BP	EPA 624 04KS
1,2-Dichloroethane	< 120 ug/L		07/02/13 22:54	BP	EPA 624 04KS
1,2-Dichloropropane	< 120 ug/L		07/02/13 22:54	BP	EPA 624 04KS
1,3-Dichlorobenzene	< 120 ug/L		07/02/13 22:54	BP	EPA 624 04KS
1,4-Dichlorobenzene	< 120 ug/L		07/02/13 22:54	BP	EPA 624 04KS
2-Chloroethylvinyl ether	< 120 ug/L		07/02/13 22:54	BP	EPA 624 04KS
Acrolein	< 620 ug/L		07/02/13 22:54	BP	EPA 624 04KS
Acrylonitrile	< 250 ug/L		07/02/13 22:54	BP	EPA 624 04KS
Benzene	< 120 ug/L		07/02/13 22:54	BP	EPA 624 04KS
Bromodichloromethane	< 120 ug/L		07/02/13 22:54	BP	EPA 624 04KS
Bromoform	< 120 ug/L		07/02/13 22:54	BP	EPA 624 04KS
Bromomethane	< 250 ug/L		07/02/13 22:54	BP	EPA 624 04KS
Carbon tetrachloride	< 120 ug/L		07/02/13 22:54	BP	EPA 624 04KS
Chlorobenzene	< 120 ug/L		07/02/13 22:54	BP	EPA 624 04KS
Chloroethane	< 250 ug/L		07/02/13 22:54	BP	EPA 624 04KS
Chloroform	< 120 ug/L		07/02/13 22:54	BP	EPA 624 04KS
Chloromethane	< 250 ug/L		07/02/13 22:54	BP	EPA 624 04KS
cis-1,3-Dichloropropene	< 120 ug/L		07/02/13 22:54	BP	EPA 624 04KS
Dibromochloromethane	< 120 ug/L		07/02/13 22:54	BP	EPA 624 04KS
Ethylbenzene	< 120 ug/L		07/02/13 22:54	BP	EPA 624 04KS
m,p-Xylene	< 250 ug/L		07/02/13 22:54	BP	EPA 624*
Methylene chloride	< 120 ug/L		07/02/13 22:54	BP	EPA 624 04KS
o-Xylene	< 120 ug/L		07/02/13 22:54	BP	EPA 624*
Tetrachloroethene	< 120 ug/L		07/02/13 22:54	BP	EPA 624 04KS
Toluene	< 120 ug/L		07/02/13 22:54	BP	EPA 624 04KS
trans-1,2-Dichloroethene	< 120 ug/L		07/02/13 22:54	BP	EPA 624 04KS
trans-1,3-Dichloropropene	< 120 ug/L		07/02/13 22:54	BP	EPA 624 04KS
Trichloroethene	< 120 ug/L		07/02/13 22:54	BP	EPA 624 04KS
Trichlorofluoromethane	< 120 ug/L		07/02/13 22:54	BP	EPA 624 04KS
Vinyl chloride	< 120 ug/L		07/02/13 22:54	BP	EPA 624 04KS
Surrogate: 1,2-Dichloroethane-d4	79 % 65-134		07/02/13 22:54	BP	EPA 624
Surrogate: Toluene-d8	84 % 74.2-117		07/02/13 22:54	BP	EPA 624
Surrogate: Bromofluorobenzene	88 % 74.1-125		07/02/13 22:54	BP	EPA 624



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Attn: Bryan Sehie

Date Received: 06/28/13 16:35
Report Date: 07/05/13
Customer #: 277310

Laboratory Results

Sample No: **3070010-02RE1**
Sample Description: **24-Hour**

Collect Date: **06/28/13 15:15**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - STL</u>					
Acetone	56000 ug/L		07/04/13 01:08	BP	EPA 624*
Surrogate: 1,2-Dichloroethane-d4	82 % 65-134		07/04/13 01:08	BP	EPA 624
Surrogate: Toluene-d8	86 % 74.2-117		07/04/13 01:08	BP	EPA 624
Surrogate: Bromofluorobenzene	90 % 74.1-125		07/04/13 01:08	BP	EPA 624



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Attn: Bryan Sehie

Date Received: 06/28/13 16:35
Report Date: 07/05/13
Customer #: 277310

Laboratory Results

General Chemistry - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B310740 - 04-No Prep WC								
Blank (B310740-BLK1)			Prepared & Analyzed: 06/28/13					
BOD	< 6.0	mg/L						
LCS (B310740-BS1)			Prepared & Analyzed: 06/28/13					
BOD	194	mg/L	198.0		98	34.6-115.4		
Duplicate (B310740-DUP1)			Source: 3063931-01 Prepared & Analyzed: 06/28/13					
BOD	7.40	mg/L		7.50			1	20
Duplicate (B310740-DUP2)			Source: 3064014-01 Prepared & Analyzed: 06/28/13					
BOD	706	mg/L		721			2	20

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B310941 - 04-No Prep VOA								
Blank (B310941-BLK1)			Prepared & Analyzed: 07/02/13					
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						



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Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B310941 - 04-No Prep VOA								
Blank (B310941-BLK1)			Prepared & Analyzed: 07/02/13					
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						
<i>Surrogate: 1,2-Dichloroethane-d4</i>	24.4	ug/L	30.00		81	65-134		
<i>Surrogate: Toluene-d8</i>	24.9	ug/L	30.00		83	74.2-117		
<i>Surrogate: Bromofluorobenzene</i>	25.2	ug/L	30.00		84	74.1-125		
LCS (B310941-BS1)			Prepared & Analyzed: 07/02/13					
1,1,1-Trichloroethane	18.0	ug/L	20.00		90	76-131		
1,1,2,2-Tetrachloroethane	19.1	ug/L	20.00		95	79-126		
1,1,2-Trichloroethane	19.8	ug/L	20.00		99	79-123		
1,1-Dichloroethane	18.4	ug/L	20.00		92	74-133		
1,1-Dichloroethene	18.0	ug/L	20.00		90	71-135		
1,2-Dichlorobenzene	18.1	ug/L	20.00		90	76-113		
1,2-Dichloroethane	19.3	ug/L	20.00		96	80-135		
1,2-Dichloropropane	20.0	ug/L	20.00		100	78-127		
1,3-Dichlorobenzene	19.7	ug/L	20.00		98	82-119		
1,4-Dichlorobenzene	18.7	ug/L	20.00		93	78-118		
2-Chloroethylvinyl ether	20.7	ug/L	20.00		104	66-138		
Acrolein	79.9	ug/L	100.0		80	38-156		
Acrylonitrile	20.5	ug/L	20.00		103	43-121		
Benzene	18.4	ug/L	20.00		92	84-114		
Bromodichloromethane	19.5	ug/L	20.00		97	82-116		
Bromoform	20.5	ug/L	20.00		102	65-115		
Bromomethane	13.0	ug/L	20.00		65	28-143		
Carbon tetrachloride	17.5	ug/L	20.00		88	72-131		
Chlorobenzene	18.8	ug/L	20.00		94	82-112		
Chloroethane	16.4	ug/L	20.00		82	41-126		
Chloroform	19.9	ug/L	20.00		100	78-124		
Chloromethane	15.1	ug/L	20.00		75	52-110		



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Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B310941 - 04-No Prep VOA								
LCS (B310941-BS1)			Prepared & Analyzed: 07/02/13					
cis-1,3-Dichloropropene	20.2	ug/L	20.00		101	82-116		
Dibromochloromethane	19.3	ug/L	20.00		97	83-119		
Ethylbenzene	18.4	ug/L	20.00		92	85-118		
m,p-Xylene	37.9	ug/L	40.00		95	80-111		
Methylene chloride	20.3	ug/L	20.00		102	78-140		
o-Xylene	19.2	ug/L	20.00		96	81-111		
Tetrachloroethene	16.4	ug/L	20.00		82	65-135		
Toluene	18.4	ug/L	20.00		92	81-120		
trans-1,2-Dichloroethene	18.2	ug/L	20.00		91	70-136		
trans-1,3-Dichloropropene	21.0	ug/L	20.00		105	82-113		
Trichloroethene	19.4	ug/L	20.00		97	84-125		
Trichlorofluoromethane	16.5	ug/L	20.00		82	70-138		
Vinyl chloride	17.9	ug/L	20.00		89	56-112		
Surrogate: 1,2-Dichloroethane-d4	27.3	ug/L	30.00		91	65.3-134		
Surrogate: Toluene-d8	26.2	ug/L	30.00		87	73.2-119		
Surrogate: Bromofluorobenzene	25.8	ug/L	30.00		86	77.8-123		
Matrix Spike (B310941-MS1)			Source: 3063809-01		Prepared & Analyzed: 07/02/13			
1,1,1-Trichloroethane	Q3 8.60	ug/L	20.00	ND	43	58-143		
1,1,2,2-Tetrachloroethane	20.1	ug/L	20.00	ND	101	70-133		
1,1,2-Trichloroethane	Q3 39.5	ug/L	20.00	ND	197	73-130		
1,1-Dichloroethane	14.6	ug/L	20.00	ND	73	55-146		
1,1-Dichloroethene	Q3, R 6.35	ug/L	20.00	ND	32	51-150		
1,2-Dichlorobenzene	17.6	ug/L	20.00	ND	88	62-120		
1,2-Dichloroethane	17.1	ug/L	20.00	ND	86	67-143		
1,2-Dichloropropane	17.4	ug/L	20.00	ND	87	66-134		
1,3-Dichlorobenzene	17.9	ug/L	20.00	ND	90	67-124		
1,4-Dichlorobenzene	17.8	ug/L	20.00	ND	89	66-123		
Acrolein	Q1 169	ug/L	100.0	ND	169	14-156		
Acrylonitrile	Q1 23.3	ug/L	20.00	ND	117	46-116		
Benzene	Q3 13.3	ug/L	20.00	ND	66	69-126		
Bromodichloromethane	16.4	ug/L	20.00	ND	82	67-128		
Bromoform	21.5	ug/L	20.00	ND	108	42-132		
Bromomethane	Q1, R 32.2	ug/L	20.00	ND	161	5-138		
Carbon tetrachloride	Q3 4.73	ug/L	20.00	ND	24	53-151		
Chlorobenzene	17.0	ug/L	20.00	ND	85	67-124		
Chloroethane	Q3 < 10	ug/L	20.00	ND		35-123		
Chloroform	14.8	ug/L	20.00	ND	74	41-155		
Chloromethane	Q3 7.28	ug/L	20.00	ND	36	39-120		
cis-1,3-Dichloropropene	17.2	ug/L	20.00	ND	86	68-126		



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Date Received: 06/28/13 16:35
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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 B310941 - 04-No Prep VOA								
Matrix Spike (B310941-MS1)		Source: 3063809-01		Prepared & Analyzed: 07/02/13				
Dibromochloromethane	18.7	ug/L	20.00	ND	93	68-131		
Ethylbenzene	14.1	ug/L	20.00	ND	70	68-128		
m,p-Xylene	29.1	ug/L	40.00	ND	73	64-122		
Methylene chloride	19.3	ug/L	20.00	ND	97	70-150		
o-Xylene	16.1	ug/L	20.00	0.502	78	65-122		
Tetrachloroethene	Q3 8.28	ug/L	20.00	ND	41	42-132		
Toluene	15.1	ug/L	20.00	ND	75	64-137		
trans-1,2-Dichloroethene	Q3 10.2	ug/L	20.00	ND	51	57-145		
trans-1,3-Dichloropropene	19.6	ug/L	20.00	ND	98	66-121		
Trichloroethene	Q3 11.0	ug/L	20.00	ND	55	69-131		
Trichlorofluoromethane	Q3 2.65	ug/L	20.00	ND	13	36-162		
Vinyl chloride	Q3 3.46	ug/L	20.00	ND	17	24-137		
Surrogate: 1,2-Dichloroethane-d4	23.8	ug/L	30.00		79	63.3-137		
Surrogate: Toluene-d8	25.7	ug/L	30.00		86	71-122		
Surrogate: Bromofluorobenzene	27.3	ug/L	30.00		91	74.6-123		
Matrix Spike Dup (B310941-MSD1)		Source: 3063809-01		Prepared & Analyzed: 07/02/13				
1,1,1-Trichloroethane	Q3 6.18	ug/L	20.00	ND	31	58-143	33	40
1,1,2,2-Tetrachloroethane	14.8	ug/L	20.00	ND	74	70-133	31	40
1,1,2-Trichloroethane	Q3 30.5	ug/L	20.00	ND	153	73-130	26	40
1,1-Dichloroethane	11.0	ug/L	20.00	ND	55	55-146	29	40
1,1-Dichloroethene	Q3, R 4.15	ug/L	20.00	ND	21	51-150	42	40
1,2-Dichlorobenzene	13.5	ug/L	20.00	ND	67	62-120	26	40
1,2-Dichloroethane	14.5	ug/L	20.00	ND	73	67-143	16	40
1,2-Dichloropropane	13.5	ug/L	20.00	ND	67	66-134	26	40
1,3-Dichlorobenzene	13.5	ug/L	20.00	ND	68	67-124	28	40
1,4-Dichlorobenzene	13.8	ug/L	20.00	ND	69	66-123	25	40
Acrolein	140	ug/L	100.0	ND	140	14-156	19	40
Acrylonitrile	21.9	ug/L	20.00	ND	109	46-116	6	40
Benzene	Q3 9.99	ug/L	20.00	ND	50	69-126	28	40
Bromodichloromethane	Q2 13.1	ug/L	20.00	ND	66	67-128	23	40
Bromoform	16.1	ug/L	20.00	ND	81	42-132	29	40
Bromomethane	R 5.97	ug/L	20.00	ND	30	5-138	137	40
Carbon tetrachloride	Q3 3.70	ug/L	20.00	ND	18	53-151	25	40
Chlorobenzene	Q2 12.8	ug/L	20.00	ND	64	67-124	28	40
Chloroethane	Q3 < 10	ug/L	20.00	ND		35-123		40
Chloroform	11.6	ug/L	20.00	ND	58	41-155	24	40
Chloromethane	Q3 6.02	ug/L	20.00	ND	30	39-120	19	40
cis-1,3-Dichloropropene	Q2 13.3	ug/L	20.00	ND	66	68-126	26	40
Dibromochloromethane	14.4	ug/L	20.00	ND	72	68-131	25	40



PDC Laboratories, Inc.

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Bryan Sehie

Date Received: 06/28/13 16:35
Report Date: 07/05/13
Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	
Batch B310941 - 04-No Prep VOA									
Matrix Spike Dup (B310941-MSD1)		Source: 3063809-01		Prepared & Analyzed: 07/02/13					
Ethylbenzene	Q2	10.8	ug/L	20.00	ND	54	68-128	27	40
m,p-Xylene	Q2	22.3	ug/L	40.00	ND	56	64-122	26	40
Methylene chloride		14.1	ug/L	20.00	ND	70	70-150	31	40
o-Xylene	Q2	12.2	ug/L	20.00	0.502	58	65-122	28	40
Tetrachloroethene	Q3	6.04	ug/L	20.00	ND	30	42-132	31	40
Toluene	Q2	11.2	ug/L	20.00	ND	56	64-137	29	40
trans-1,2-Dichloroethene	Q3	8.08	ug/L	20.00	ND	40	57-145	23	40
trans-1,3-Dichloropropene		15.9	ug/L	20.00	ND	79	66-121	21	40
Trichloroethene	Q3	8.10	ug/L	20.00	ND	40	69-131	30	40
Trichlorofluoromethane	Q3	1.93	ug/L	20.00	ND	10	36-162	32	40
Vinyl chloride	Q3	2.46	ug/L	20.00	ND	12	24-137	34	40
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>20.5</i>	<i>ug/L</i>	<i>30.00</i>		<i>68</i>	<i>63.3-137</i>		
<i>Surrogate: Toluene-d8</i>	Q2	<i>20.1</i>	<i>ug/L</i>	<i>30.00</i>		<i>67</i>	<i>71-122</i>		
<i>Surrogate: Bromofluorobenzene</i>	Q2	<i>20.8</i>	<i>ug/L</i>	<i>30.00</i>		<i>69</i>	<i>74.6-123</i>		

Batch B311045 - 04-No Prep VOA

Blank (B311045-BLK1)		Prepared & Analyzed: 07/03/13							
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							



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St. Louis, MO 63044
Attn: Bryan Sehie

Date Received: 06/28/13 16:35
Report Date: 07/05/13
Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B311045 - 04-No Prep VOA								
Blank (B311045-BLK1)			Prepared & Analyzed: 07/03/13					
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						
<i>Surrogate: 1,2-Dichloroethane-d4</i>	26.0	ug/L	30.00		87	65-134		
<i>Surrogate: Toluene-d8</i>	25.9	ug/L	30.00		86	74.2-117		
<i>Surrogate: Bromofluorobenzene</i>	26.0	ug/L	30.00		87	74.1-125		
LCS (B311045-BS1)			Prepared & Analyzed: 07/03/13					
1,1,1-Trichloroethane	20.8	ug/L	20.00		104	76-131		
1,1,2,2-Tetrachloroethane	19.8	ug/L	20.00		99	79-126		
1,1,2-Trichloroethane	21.0	ug/L	20.00		105	79-123		
1,1-Dichloroethane	20.3	ug/L	20.00		102	74-133		
1,1-Dichloroethene	21.4	ug/L	20.00		107	71-135		
1,2-Dichlorobenzene	19.8	ug/L	20.00		99	76-113		
1,2-Dichloroethane	20.1	ug/L	20.00		101	80-135		
1,2-Dichloropropane	20.5	ug/L	20.00		103	78-127		
1,3-Dichlorobenzene	21.4	ug/L	20.00		107	82-119		
1,4-Dichlorobenzene	21.3	ug/L	20.00		107	78-118		
2-Chloroethylvinyl ether	21.1	ug/L	20.00		105	66-138		
Acrolein	70.1	ug/L	100.0		70	38-156		
Acrylonitrile	17.0	ug/L	20.00		85	43-121		
Benzene	20.1	ug/L	20.00		101	84-114		
Bromodichloromethane	20.0	ug/L	20.00		100	82-116		
Bromoform	21.7	ug/L	20.00		109	65-115		
Bromomethane	14.8	ug/L	20.00		74	28-143		
Carbon tetrachloride	21.0	ug/L	20.00		105	72-131		
Chlorobenzene	21.6	ug/L	20.00		108	82-112		
Chloroethane	17.5	ug/L	20.00		87	41-126		
Chloroform	21.1	ug/L	20.00		105	78-124		



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Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B311045 - 04-No Prep VOA								
LCS (B311045-BS1)			Prepared & Analyzed: 07/03/13					
Chloromethane	14.0	ug/L	20.00		70	52-110		
cis-1,3-Dichloropropene	20.6	ug/L	20.00		103	82-116		
Dibromochloromethane	21.2	ug/L	20.00		106	83-119		
Ethylbenzene	20.9	ug/L	20.00		104	85-118		
m,p-Xylene	42.0	ug/L	40.00		105	80-111		
Methylene chloride	21.7	ug/L	20.00		109	78-140		
o-Xylene	21.8	ug/L	20.00		109	81-111		
Tetrachloroethene	23.7	ug/L	20.00		119	65-135		
Toluene	20.5	ug/L	20.00		103	81-120		
trans-1,2-Dichloroethene	20.5	ug/L	20.00		103	70-136		
trans-1,3-Dichloropropene	C, X 23.1	ug/L	20.00		116	82-113		
Trichloroethene	20.8	ug/L	20.00		104	84-125		
Trichlorofluoromethane	19.8	ug/L	20.00		99	70-138		
Vinyl chloride	18.9	ug/L	20.00		95	56-112		
Surrogate: 1,2-Dichloroethane-d4	24.9	ug/L	30.00		83	65.3-134		
Surrogate: Toluene-d8	24.8	ug/L	30.00		83	73.2-119		
Surrogate: Bromofluorobenzene	26.1	ug/L	30.00		87	77.8-123		
Matrix Spike (B311045-MS1)			Source: 3063904-02		Prepared: 07/03/13 Analyzed: 07/04/13			
1,1,1-Trichloroethane	20.1	ug/L	20.00	ND	101	58-143		
1,1,2,2-Tetrachloroethane	20.2	ug/L	20.00	ND	101	70-133		
1,1,2-Trichloroethane	20.8	ug/L	20.00	ND	104	73-130		
1,1-Dichloroethane	19.9	ug/L	20.00	ND	100	55-146		
1,1-Dichloroethene	21.4	ug/L	20.00	ND	107	51-150		
1,2-Dichlorobenzene	20.8	ug/L	20.00	ND	104	62-120		
1,2-Dichloroethane	20.5	ug/L	20.00	ND	103	67-143		
1,2-Dichloropropane	20.7	ug/L	20.00	ND	104	66-134		
1,3-Dichlorobenzene	21.3	ug/L	20.00	ND	107	67-124		
1,4-Dichlorobenzene	20.7	ug/L	20.00	ND	103	66-123		
Acrolein	76.5	ug/L	100.0	ND	76	14-156		
Acrylonitrile	17.8	ug/L	20.00	ND	89	46-116		
Benzene	20.4	ug/L	20.00	ND	102	69-126		
Bromodichloromethane	21.0	ug/L	20.00	ND	105	67-128		
Bromoform	20.8	ug/L	20.00	ND	104	42-132		
Bromomethane	15.8	ug/L	20.00	ND	79	5-138		
Carbon tetrachloride	21.4	ug/L	20.00	ND	107	53-151		
Chlorobenzene	21.6	ug/L	20.00	ND	108	67-124		
Chloroethane	20.7	ug/L	20.00	ND	104	35-123		
Chloroform	32.3	ug/L	20.00	12.9	97	41-155		
Chloromethane	15.9	ug/L	20.00	ND	80	39-120		



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St. Louis, MO 63044
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Date Received: 06/28/13 16:35
Report Date: 07/05/13
Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B311045 - 04-No Prep VOA								
Matrix Spike (B311045-MS1)		Source: 3063904-02		Prepared: 07/03/13 Analyzed: 07/04/13				
cis-1,3-Dichloropropene	21.1	ug/L	20.00	ND	105	68-126		
Dibromochloromethane	19.8	ug/L	20.00	ND	99	68-131		
Ethylbenzene	21.2	ug/L	20.00	ND	106	68-128		
m,p-Xylene	42.5	ug/L	40.00	ND	106	64-122		
Methylene chloride	22.6	ug/L	20.00	ND	113	70-150		
o-Xylene	21.2	ug/L	20.00	ND	106	65-122		
Tetrachloroethene	13.7	ug/L	20.00	ND	68	42-132		
Toluene	22.3	ug/L	20.00	ND	112	64-137		
trans-1,2-Dichloroethene	20.8	ug/L	20.00	ND	104	57-145		
trans-1,3-Dichloropropene	22.9	ug/L	20.00	ND	115	66-121		
Trichloroethene	19.7	ug/L	20.00	ND	98	69-131		
Trichlorofluoromethane	20.4	ug/L	20.00	ND	102	36-162		
Vinyl chloride	19.6	ug/L	20.00	ND	98	24-137		
Surrogate: 1,2-Dichloroethane-d4	25.7	ug/L	30.00		86	63.3-137		
Surrogate: Toluene-d8	26.6	ug/L	30.00		89	71-122		
Surrogate: Bromofluorobenzene	27.1	ug/L	30.00		90	74.6-123		
Matrix Spike Dup (B311045-MSD1)		Source: 3063904-02		Prepared: 07/03/13 Analyzed: 07/04/13				
1,1,1-Trichloroethane	17.1	ug/L	20.00	ND	85	58-143	16	40
1,1,1,2-Tetrachloroethane	20.5	ug/L	20.00	ND	103	70-133	2	40
1,1,2-Trichloroethane	17.9	ug/L	20.00	ND	90	73-130	15	40
1,1-Dichloroethane	18.4	ug/L	20.00	ND	92	55-146	8	40
1,1-Dichloroethene	17.6	ug/L	20.00	ND	88	51-150	19	40
1,2-Dichlorobenzene	17.5	ug/L	20.00	ND	88	62-120	17	40
1,2-Dichloroethane	17.6	ug/L	20.00	ND	88	67-143	15	40
1,2-Dichloropropane	17.9	ug/L	20.00	ND	90	66-134	15	40
1,3-Dichlorobenzene	19.0	ug/L	20.00	ND	95	67-124	12	40
1,4-Dichlorobenzene	17.6	ug/L	20.00	ND	88	66-123	16	40
Acrolein	75.4	ug/L	100.0	ND	75	14-156	1	40
Acrylonitrile	18.4	ug/L	20.00	ND	92	46-116	4	40
Benzene	17.3	ug/L	20.00	ND	86	69-126	16	40
Bromodichloromethane	18.0	ug/L	20.00	ND	90	67-128	15	40
Bromoform	18.8	ug/L	20.00	ND	94	42-132	10	40
Bromomethane	13.2	ug/L	20.00	ND	66	5-138	17	40
Carbon tetrachloride	17.7	ug/L	20.00	ND	89	53-151	19	40
Chlorobenzene	17.7	ug/L	20.00	ND	88	67-124	20	40
Chloroethane	16.2	ug/L	20.00	ND	81	35-123	25	40
Chloroform	29.7	ug/L	20.00	12.9	84	41-155	9	40
Chloromethane	12.1	ug/L	20.00	ND	60	39-120	28	40
cis-1,3-Dichloropropene	17.4	ug/L	20.00	ND	87	68-126	19	40

3070010



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Bridgeton Landfill
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Attn: Bryan Sehie

Date Received: 06/28/13 16:35
Report Date: 07/05/13
Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B311045 - 04-No Prep VOA								
Matrix Spike Dup (B311045-MSD1)	Source: 3063904-02		Prepared: 07/03/13 Analyzed: 07/04/13					
Dibromochloromethane	17.7	ug/L	20.00	ND	88	68-131	11	40
Ethylbenzene	17.5	ug/L	20.00	ND	88	68-128	19	40
m,p-Xylene	34.7	ug/L	40.00	ND	87	64-122	20	40
Methylene chloride	19.5	ug/L	20.00	ND	97	70-150	15	40
o-Xylene	17.0	ug/L	20.00	ND	85	65-122	22	40
Tetrachloroethene	11.4	ug/L	20.00	ND	57	42-132	18	40
Toluene	18.3	ug/L	20.00	ND	91	64-137	20	40
trans-1,2-Dichloroethene	17.1	ug/L	20.00	ND	85	57-145	20	40
trans-1,3-Dichloropropene	19.0	ug/L	20.00	ND	95	66-121	19	40
Trichloroethene	18.9	ug/L	20.00	ND	94	69-131	4	40
Trichlorofluoromethane	16.5	ug/L	20.00	ND	83	36-162	21	40
Vinyl chloride	18.2	ug/L	20.00	ND	91	24-137	8	40
Surrogate: 1,2-Dichloroethane-d4	27.1	ug/L	30.00		90	63.3-137		
Surrogate: Toluene-d8	26.3	ug/L	30.00		88	71-122		
Surrogate: Bromofluorobenzene	27.5	ug/L	30.00		92	74.6-123		



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Date Received: 06/28/13 16:35
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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)

- X Analyte failed blank spike with high bias; undetected in all samples
- R MS/MSD Failed %RPD
- Q3 MS/MSD both failed %R
- Q2 MSD failed %R
- Q1 MS Failed %R
- C The blank spike failed to meet the required acceptance criteria.

Certified by: Barb Pandolfo For Roxann Shull, Client Services Supervisor



PDC Laboratories, Inc. – St. Louis
3278 N. Highway 67 (Lindbergh)
Florissant, MO 63033
 www.pdcclab.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 <u>Bridgeton Landfill, LLC</u>	PROJECT NUMBER	P. O. NUMBER	MEANS SHIPPED	3	ANALYSIS REQUESTED						4 (FOR LAB USE ONLY) <u>HE</u> 30/0010 LOGIN # LOGGED BY: <u>HE</u> LAB PROJ. # TEMPLATE: PROJ. MGR.:	
	ADDRESS <u>13570 St. Charles Rock Rd.</u>	PHONE NUMBER	FAX NUMBER	EMAIL ADDRESS		Borecole 624 BOD							REMARKS
	CITY <u>Bridgeton, MO 63044</u>	SAMPLER <u>Bryan Schie</u>		MATRIX TYPES: WW-WASTEWATER DW-DRINKING WATER GW-GROUND WATER WWSL-SLUDGE NAS-SOLID L'CHT-LEACHATE NAL-NON-AQUEOUS SOIL-SOILS									
	CONTACT PERSON <u>Bryan Schie</u>	SAMPLER'S SIGNATURE <u>[Signature]</u>											
2 SAMPLE DESCRIPTION AS YOU WANT ON REPORT		DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE	MATRIX TYPE							Bottle Count	
<u>Control</u>		<u>6/27/13</u>	<u>1515</u>	<u>X</u>	<u>ww</u>	<u>3</u>	<u>2</u>	<u>1</u>					
<u>24-Hour</u>		<u>6/28/13</u>	<u>1515</u>	<u>X</u>	<u>ww</u>	<u>3</u>	<u>2</u>	<u>1</u>					
5 TURNAROUND TIME (RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE) NORMAL (8-10 Bus. Days) RUSH (5 Bus. Days) <u>Fastrak™ (3 Bus. Days)</u> <u>1-2 Bus. Days</u> Same Day DATE DUE _____						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 0-6.0°C. By not initialing this area, you allow the lab to proceed with analytical testing regardless of the sample temperature.							
RESULTS BY: <u>E-MAIL</u> FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE						8 COMMENTS: (FOR LAB USE ONLY) <u>8:2</u> SAMPLE TEMPERATURE UPON RECEIPT CHILL PROCESS STARTED PRIOR TO RECEIPT SAMPLE(S) RECEIVED ON ICE PROPER BOTTLES RECEIVED IN GOOD CONDITION BOTTLES FILLED WITH ADEQUATE VOLUME SAMPLES RECEIVED WITHIN HOLD TIME(S) (EXCLUDES TYPICAL FIELD PARAMETERS) DATE AND TIME TAKEN FROM SAMPLE BOTTLE							
7 RELINQUISHED BY: (SIGNATURE) <u>[Signature]</u>		DATE <u>6/28/13</u>	TIME <u>16:35</u>	RECEIVED BY: <u>[Signature]</u>	DATE <u>6/28/13</u>	TIME <u>16:35</u>							
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY:	DATE	TIME							
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY:	DATE	TIME							

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