

Bridgeton Landfill, LLC

Monthly Data Submittals

Required by Section 52.E of Agreed Order, Case No. 13SL-CC01088
Effective May 13, 2013

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Provided Separately:

- Flare Raw Data Excel Spreadsheet
- Gas Wellfield Raw Data Excel Spreadsheet

May 20, 2013

ATTACHMENT A

DAILY FLARE MONITORING DATA

ATTACHMENT A-1

DATA SPREADSHEET

Daily Flare Monitoring Data - Bridgeton Landfill
11/1/2012 - 4/30/2013

Date	Device Flow (scfm)			Total Flow (scfm)
	Enclosed Flare	Callidus Flare	Candlestick Flare	
11/1/2012	2,400	2,145	1,071	5,616
11/2/2012	2,500	2,120	1,050	5,670
11/3/2012	2,862	1,971	988	5,821
11/4/2012	2,659	2,297	1,188	6,144
11/5/2012	2,209	2,168	1,147	5,524
11/6/2012	2,230	2,375	1,040	5,645
11/7/2012	2,230	2,260	1,200	5,690
11/8/2012	2,723	2,075	1,456	6,254
11/9/2012	2,724	2,084	1,547	6,355
11/10/2012	2,824	1,991	1,732	6,547
11/11/2012	3,084	1,852	1,483	6,419
11/12/2012	2,370	1,880	1,484	5,734
11/13/2012	2,195	2,288	1,601	6,084
11/14/2012	2,197	1,860	1,526	5,583
11/15/2012	2,155	2,018	1,576	5,749
11/16/2012	1,955	1,932	1,669	5,556
11/17/2012	2,013	1,925	1,735	5,673
11/18/2012	2,065	1,900	1,747	5,712
11/19/2012	2,088	1,920	1,705	5,713
11/20/2012	2,281	1,945	1,701	5,927
11/21/2012	2,500	2,020	1,685	6,205
11/22/2012	2,229	2,022	1,762	6,013
11/23/2012	1,950	1,951	1,655	5,556
11/24/2012	2,017	2,046	1,512	5,575
11/25/2012	2,088	1,900	1,312	5,300
11/26/2012	1,851	1,766	1,289	4,906
11/27/2012	3,858	-	1,134	4,992
11/28/2012	1,834	1,840	1,185	4,859
11/29/2012	2,371	1,819	1,153	5,343
11/30/2012	2,442	1,818	1,240	5,500

Daily Flare Monitoring Data - Bridgeton Landfill
11/1/2012 - 4/30/2013

Date	Device Flow (scfm)			Total Flow (scfm)
	Enclosed Flare	Callidus Flare	Candlestick Flare	
12/1/2012	2,507	1,863	1,307	5,677
12/2/2012	2,616	1,849	1,323	5,788
12/3/2012	2,588	1,839	1,409	5,836
12/4/2012	2,156	1,980	1,478	5,614
12/5/2012	2,015	2,026	1,425	5,466
12/6/2012	2,829	1,964	1,118	5,911
12/7/2012	2,980	1,900	1,230	6,110
12/8/2012	3,000	1,700	1,220	5,920
12/9/2012	3,300	1,760	1,075	6,135
12/10/2012	2,429	1,670	1,308	5,407
12/11/2012	1,786	1,701	1,289	4,776
12/12/2012	3,546	1,933	1,440	6,919
12/13/2012	1,974	2,089	1,644	5,707
12/14/2012	2,217	1,417	1,620	5,254
12/15/2012	1,846	2,079	1,607	5,532
12/16/2012	1,980	1,882	1,451	5,313
12/17/2012	1,743	2,054	1,612	5,409
12/18/2012	1,871	1,642	1,597	5,110
12/19/2012	1,975	1,860	1,782	5,617
12/20/2012	2,177	1,817	1,602	5,596
12/21/2012	2,021	1,844	1,551	5,416
12/22/2012	2,066	1,850	1,550	5,466
12/23/2012	2,037	1,774	1,969	5,780
12/24/2012	1,822	1,750	2,059	5,631
12/25/2012	1,709	1,805	1,895	5,409
12/26/2012	1,481	1,882	1,956	5,319
12/27/2012	1,946	1,784	1,662	5,392
12/28/2012	1,873	1,891	1,543	5,307
12/29/2012	2,031	1,804	1,664	5,499
12/30/2012	2,114	1,839	1,523	5,476
12/31/2012	2,296	1,909	1,442	5,647

Daily Flare Monitoring Data - Bridgeton Landfill
11/1/2012 - 4/30/2013

Date	Device Flow (scfm)			Total Flow (scfm)
	Enclosed Flare	Callidus Flare	Candlestick Flare	
1/1/2013	2,011	1,822	1,418	5,251
1/2/2013	1,974	1,977	1,378	5,329
1/3/2013	2,130	1,980	1,468	5,578
1/4/2013	1,878	1,838	1,393	5,109
1/5/2013	1,908	1,860	1,321	5,089
1/6/2013	1,712	1,782	1,358	4,852
1/7/2013	1,734	1,761	1,265	4,760
1/8/2013	1,410	2,009	1,247	4,666
1/9/2013	1,902	2,090	1,203	5,195
1/10/2013	2,367	2,060	1,243	5,670
1/11/2013	1,765	1,646	1,302	4,713
1/12/2013	4,388	0	0	4,388
1/13/2013	1,569	2,672	1,221	5,462
1/14/2013	0	2,904	1,394	4,298
1/15/2013	0	3,245	1,401	4,646
1/16/2013	0	3,122	1,316	4,438
1/17/2013	4,639	3,163	1,514	9,316
1/18/2013	0	2,782	1,413	4,195
1/19/2013	0	4,064	0	4,064
1/20/2013	0	1,888	0	1,888
1/21/2013	752	0	1,411	2,163
1/22/2013	4,660	2,735	1,894	9,289
1/23/2013	730	2,870	730	4,330
1/24/2013	671	2,735	1,271	4,677
1/25/2013	710	2,759	3,900	7,369
1/26/2013	625	2,875	3,901	7,401
1/27/2013	591	2,751	3,901	7,243
1/28/2013	971	2,843	3,900	7,714
1/29/2013	697		1,074	1,771
1/30/2013	697	2,862	806	4,365
1/31/2013	2,100	2,220	820	5,140

Daily Flare Monitoring Data - Bridgeton Landfill
11/1/2012 - 4/30/2013

Date	Device Flow (scfm)			Total Flow (scfm)
	Enclosed Flare	Callidus Flare	Candlestick Flare	
2/1/2013	1,573	2,399	1,452	5,424
2/2/2013	2,633	1,618	1,483	5,734
2/3/2013	2,880	2,130	868	5,878
2/4/2013	3,450	2,358	814	6,622
2/5/2013	2,960	2,220	820	6,000
2/6/2013	3,204	2,473	981	6,658
2/7/2013	2,856	2,258	1,089	6,203
2/8/2013	2,641	2,124	832	5,597
2/9/2013	2,794	2,366	994	6,154
2/10/2013	2,719	2,210	1,080	6,009
2/11/2013	3,404	2,216	920	6,540
2/12/2013	2,990	2,200	950	6,140
2/13/2013	2,915	2,141	965	6,021
2/14/2013	2,938	1,995	1,035	5,968
2/15/2013	2,824	2,130	941	5,895
2/16/2013	2,589	2,064	1,026	5,679
2/17/2013	2,760	2,048	1,090	5,898
2/18/2013	2,767	2,490	1,060	6,317
2/19/2013	2,450	2,233	950	5,633
2/20/2013	2,324	2,094	951	5,369
2/21/2013	2,435	2,092	1,021	5,548
2/22/2013	2,555	2,108	1,150	5,813
2/23/2013	2,461	2,024	1,011	5,496
2/24/2013	2,694	2,119	1,015	5,828
2/25/2013	2,650	1,987	1,080	5,717
2/26/2013	2,398	2,293	935	5,626
2/27/2013	1,811	1,804	818	4,433
2/28/2013	2,112	1,975	908	4,995

Daily Flare Monitoring Data - Bridgeton Landfill
11/1/2012 - 4/30/2013

Date	Device Flow (scfm)			Total Flow (scfm)
	Enclosed Flare	Callidus Flare	Candlestick Flare	
3/1/2013	2,192	1,926	848	4,966
3/2/2013	2,293	2,202	906	5,401
3/3/2013	2,533	2,357	874	5,764
3/4/2013	2,659	2,365	913	5,937
3/5/2013	2,709	2,313	976	5,998
3/6/2013	2,414	2,283	1,012	5,709
3/7/2013	2,542	2,340	879	5,761
3/8/2013	2,526	2,380	957	5,863
3/9/2013	2,711	2,389	915	6,015
3/10/2013	2,726	2,266	1,073	6,065
3/11/2013	3,134	2,027	1,178	6,339
3/12/2013	2,933	2,373	1,202	6,508
3/13/2013	2,873	2,207	1,332	6,412
3/14/2013	3,615	1,549	768	5,932
3/15/2013	3,321	2,237	1,284	6,842
3/16/2013	2,762	1,948	1,381	6,091
3/17/2013	2,690	1,836	1,842	6,368
3/18/2013	2,316	2,171	2,009	6,496
3/19/2013	2,252	2,307	1,578	6,137
3/20/2013	2,883	2,251	1,167	6,301
3/21/2013	2,080	2,106	1,383	5,569
3/22/2013	2,216	2,664	1,339	6,219
3/23/2013	3,474	2,345	1,247	7,066
3/24/2013	2,869	2,248	1,099	6,216
3/25/2013	2,946	2,165	1,177	6,288
3/26/2013	3,255	2,243	1,112	6,610
3/27/2013	3,188	2,249	1,167	6,604
3/28/2013	3,237	2,314	1,322	6,873
3/29/2013	3,055	2,293	1,898	7,246
3/30/2013	2,975	2,349	1,238	6,562
3/31/2013	2,826	2,041	1970	6,837

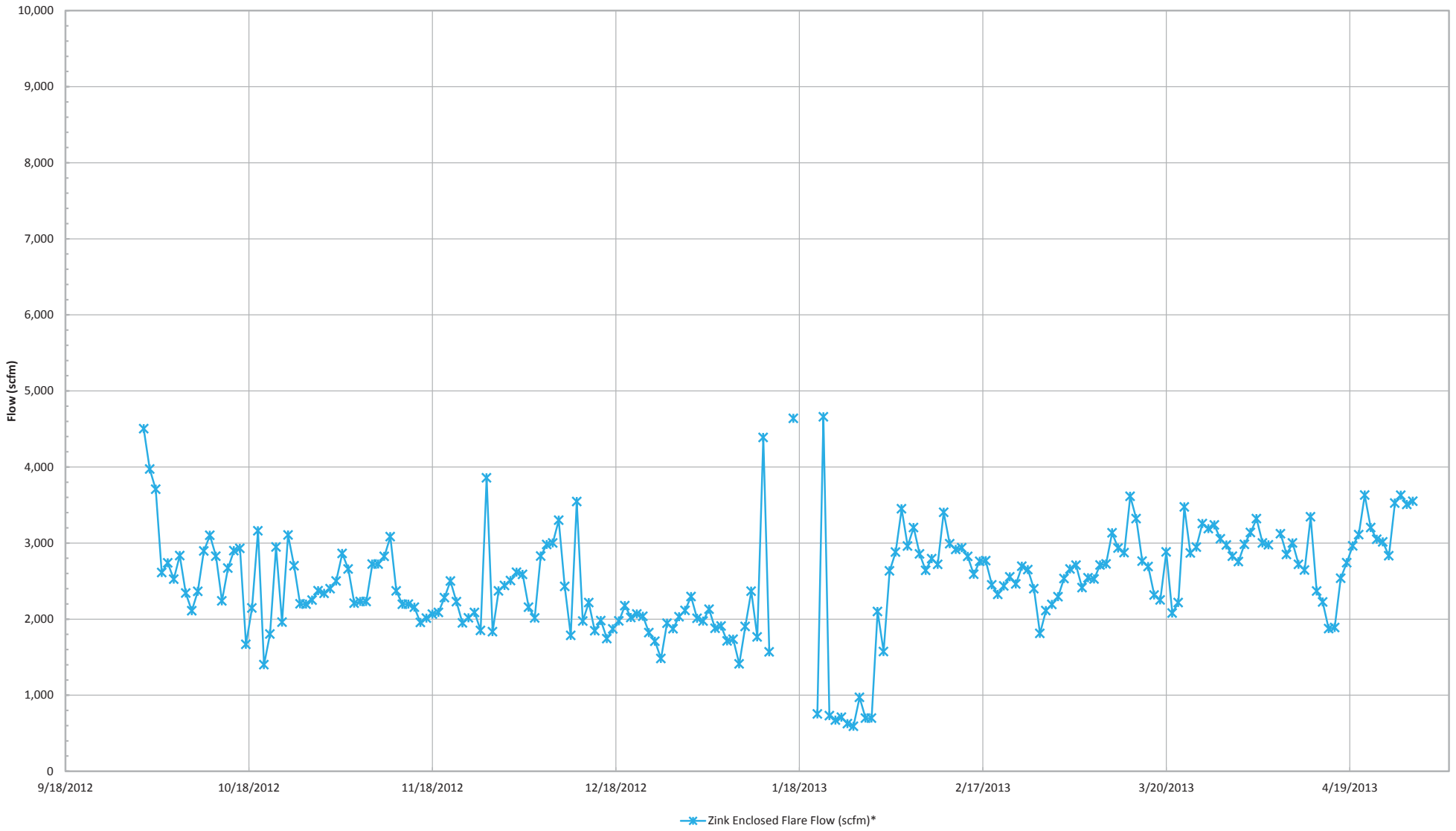
Daily Flare Monitoring Data - Bridgeton Landfill
11/1/2012 - 4/30/2013

Date	Device Flow (scfm)			Total Flow (scfm)
	Enclosed Flare	Callidus Flare	Candlestick Flare	
4/1/2013	2,755	2,284	1,994	7,033
4/2/2013	2,982	2,109	1,655	6,746
4/3/2013	3,138	2,246	1,728	7,112
4/4/2013	3,320	2,173	2,008	7,501
4/5/2013	3,001	2,034	2,196	7,231
4/6/2013	2,976	1,776	1,889	6,641
4/7/2013				
4/8/2013	3,122	2,154	1,877	7,153
4/9/2013	2,849	2,001	2,156	7,006
4/10/2013	3,001	1,614	1,279	5,894
4/11/2013	2,719	1,561	1,335	5,615
4/12/2013	2,645	1,417	1,441	5,503
4/13/2013	3,344	1,504	1,259	6,107
4/14/2013	2,369	1,617	2,558	6,544
4/15/2013	2,225	1,654	2,135	6,014
4/16/2013	1,874	1,472	2,005	5,351
4/17/2013	1,889	1,454	2,413	5,756
4/18/2013	2,536	1,610	1,808	5,954
4/19/2013	2,741	1,558	2,032	6,331
4/20/2013	2,963	1,613	1,753	6,329
4/21/2013	3,109	1,614	1,773	6,496
4/22/2013	3,630	1,564	2,011	7,205
4/23/2013	3,202	1,600	1,660	6,462
4/24/2013	3,049	1,610	1,675	6,334
4/25/2013	3,014	1,585	1,687	6,286
4/26/2013	2,832	1,590	1,620	6,042
4/27/2013	3,526	1,590	1,029	6,145
4/28/2013	3,628	1,615	1,345	6,588
4/29/2013	3,506	1,562	1,982	7,050
4/30/2013	3,550	1,604	2,124	7,278

ATTACHMENT A-2

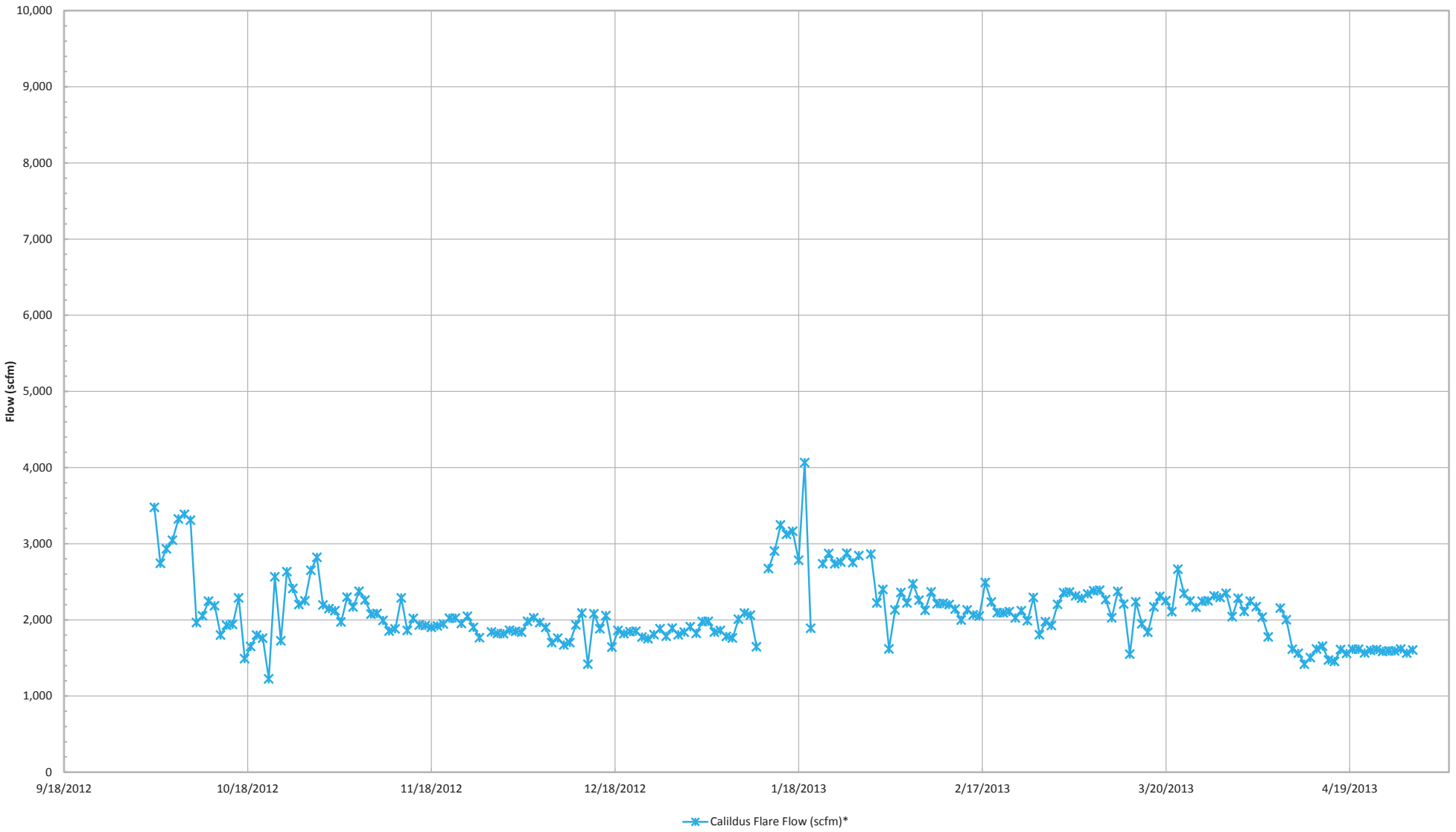
DATA GRAPHS

Zink Enclosed Flare Flow (scfm)*



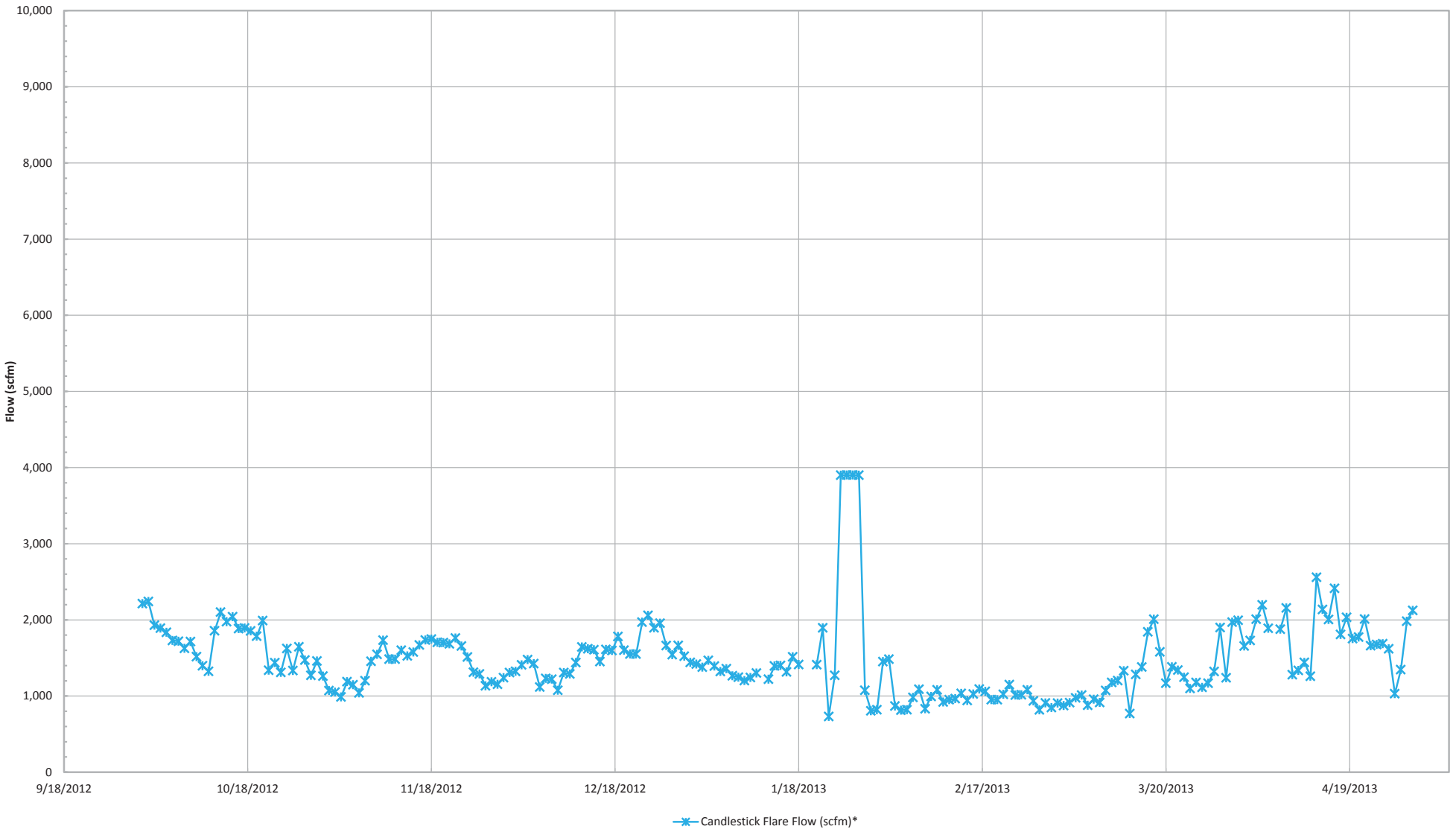
*Flow is based on tabulated flow data collected daily.

Callidus Flare Flow (scfm)*



*Flow is based on tabulated flow data collected daily.

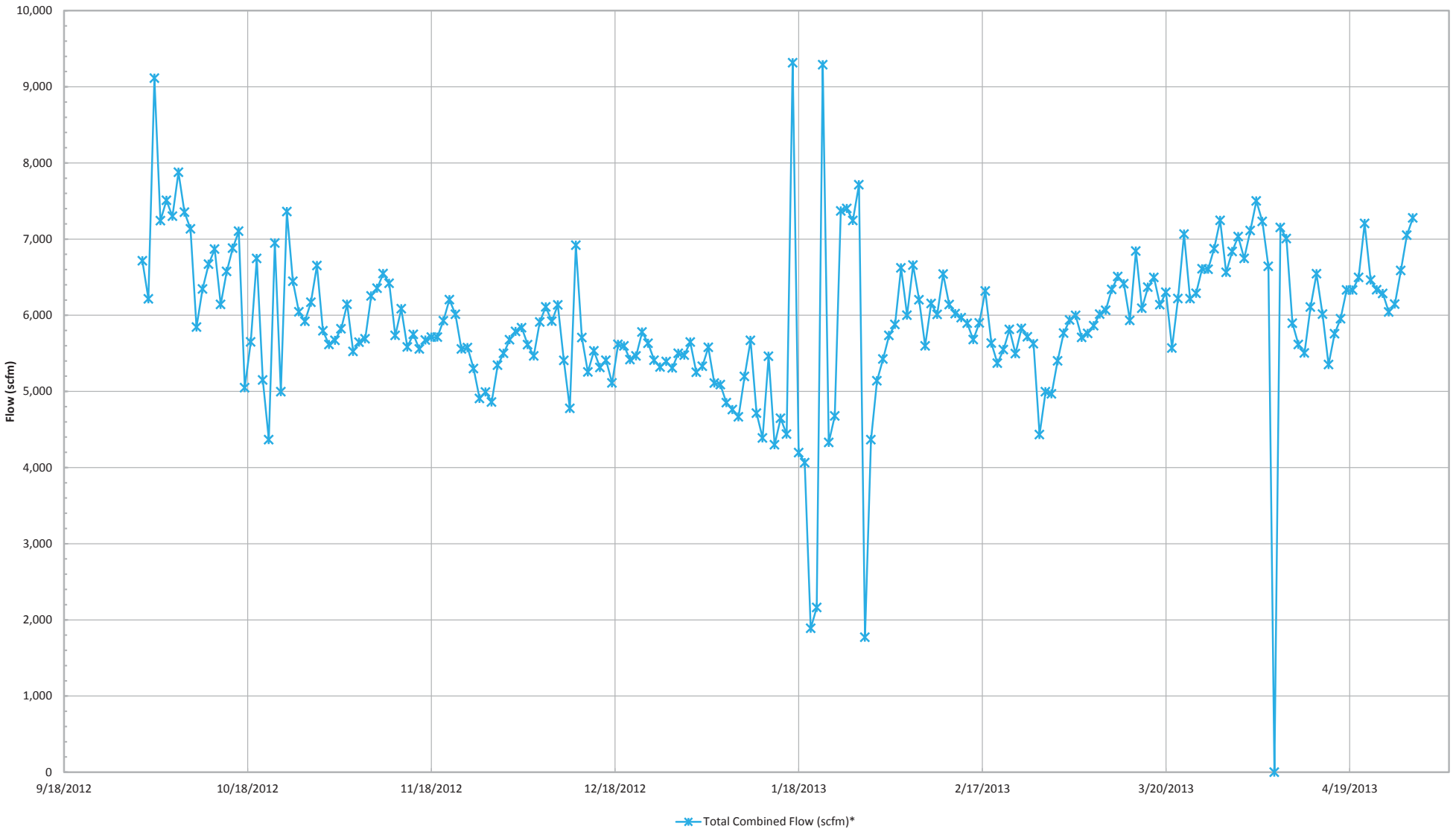
Candlestick Flare Flow (scfm)*



—*— Candlestick Flare Flow (scfm)*

*Flow is based on tabulated flow data collected daily.

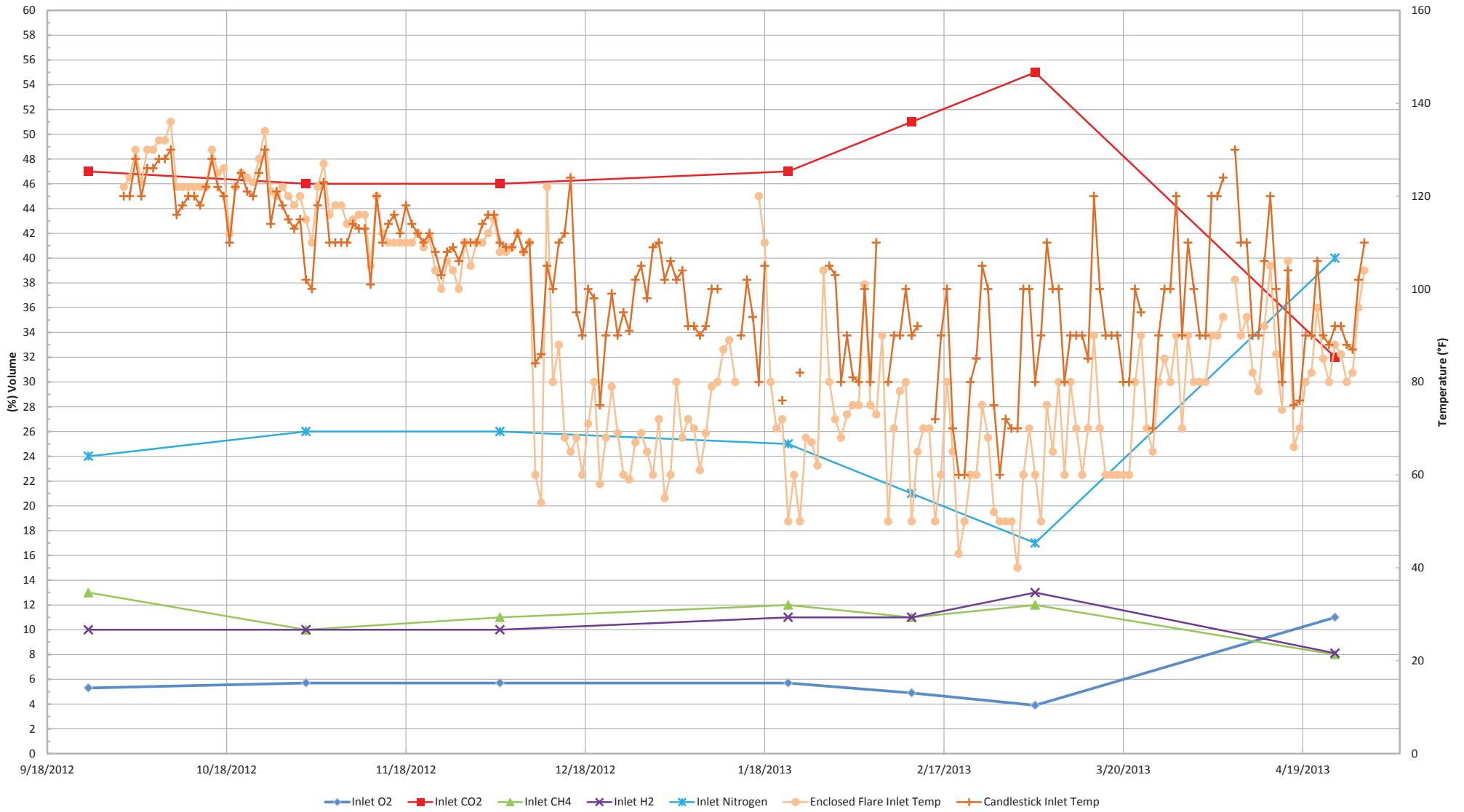
Total Combined Flow (scfm)*



—x— Total Combined Flow (scfm)*

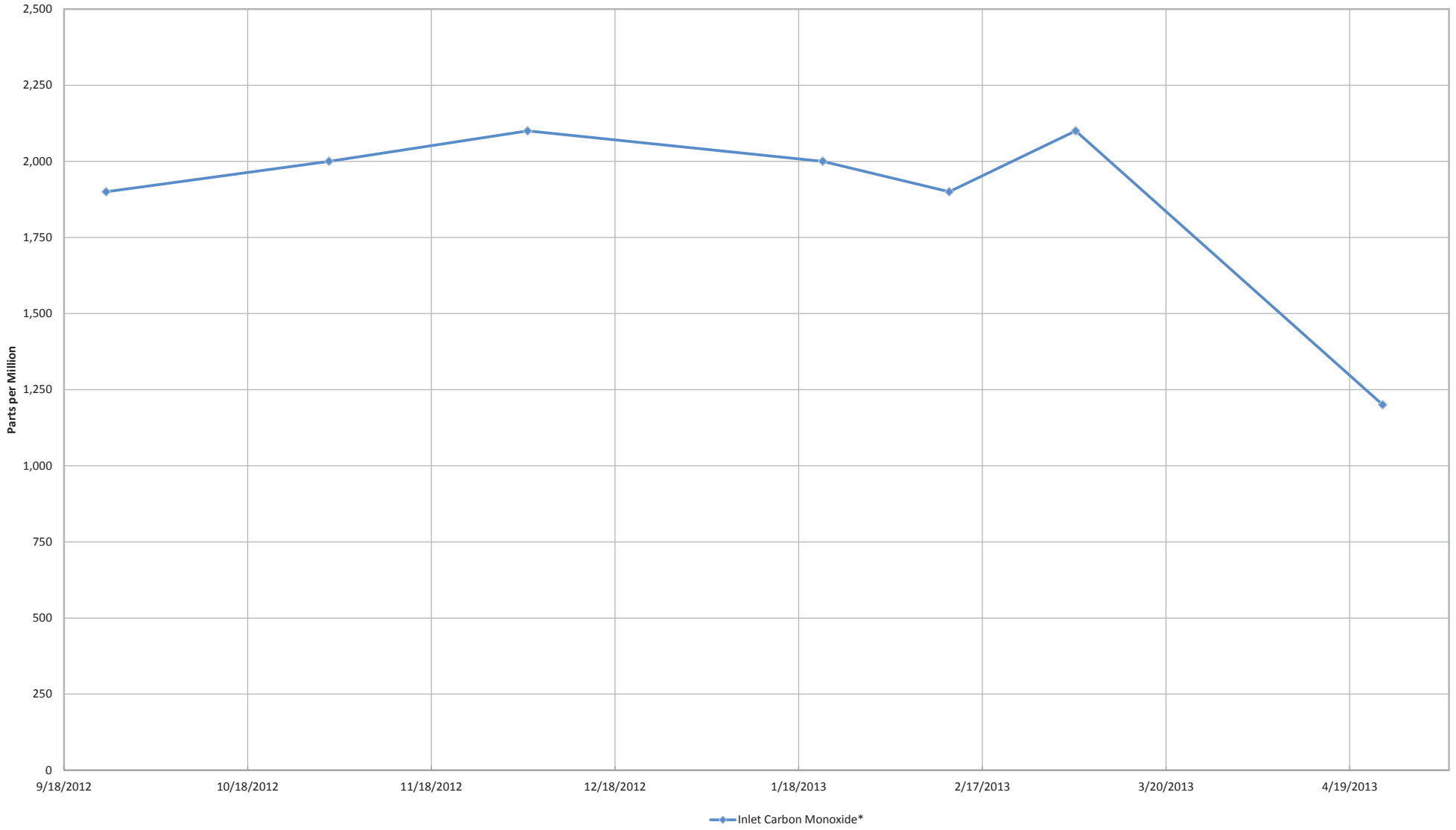
*Combined flow is based on tabulated flow data collected daily from each device.

Inlet Gas and Temperature*



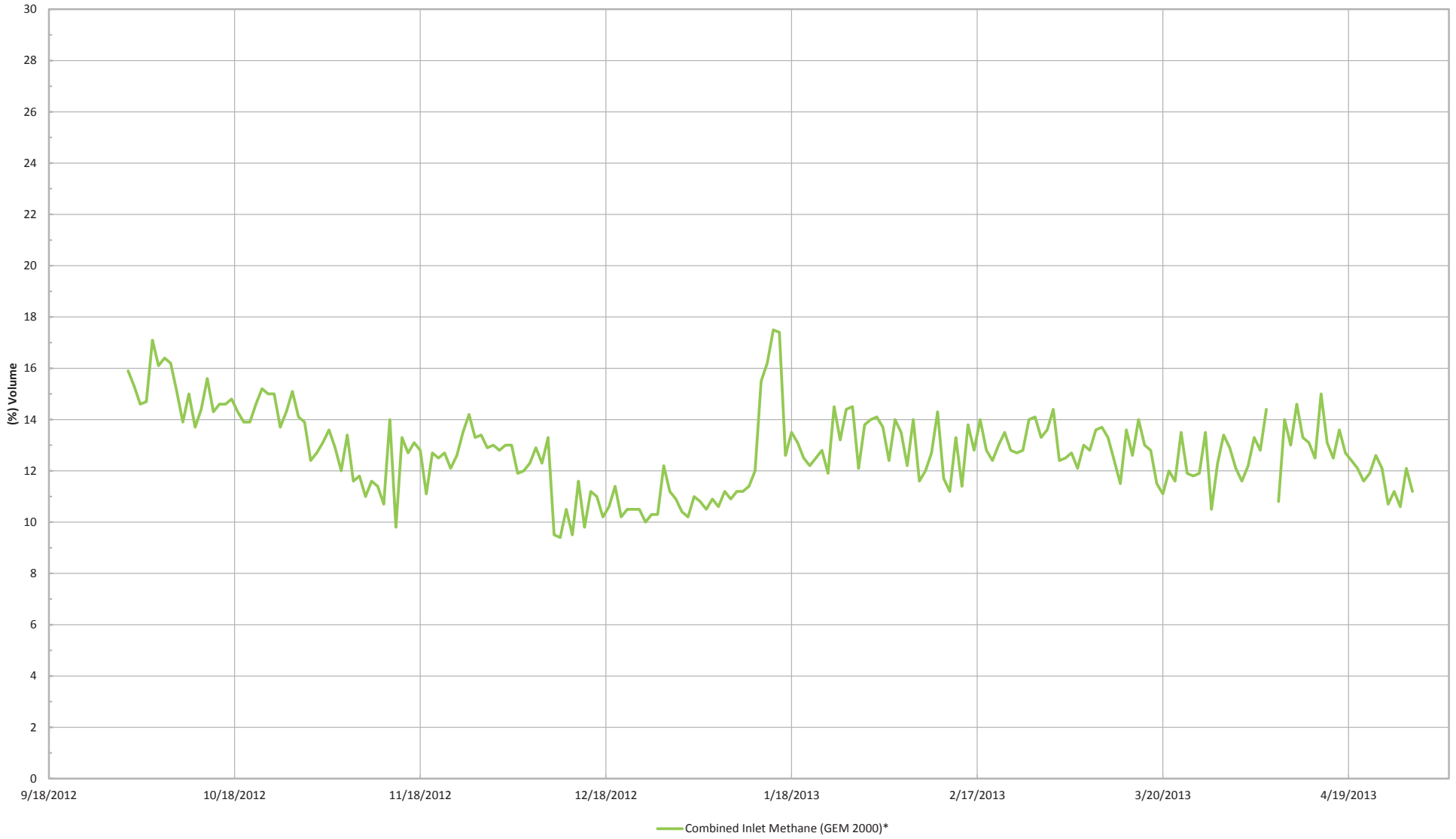
*Gas data collected from Laboratory Reports. Temperature data collected from GEM 2000 field readings.

Inlet Carbon Monoxide*



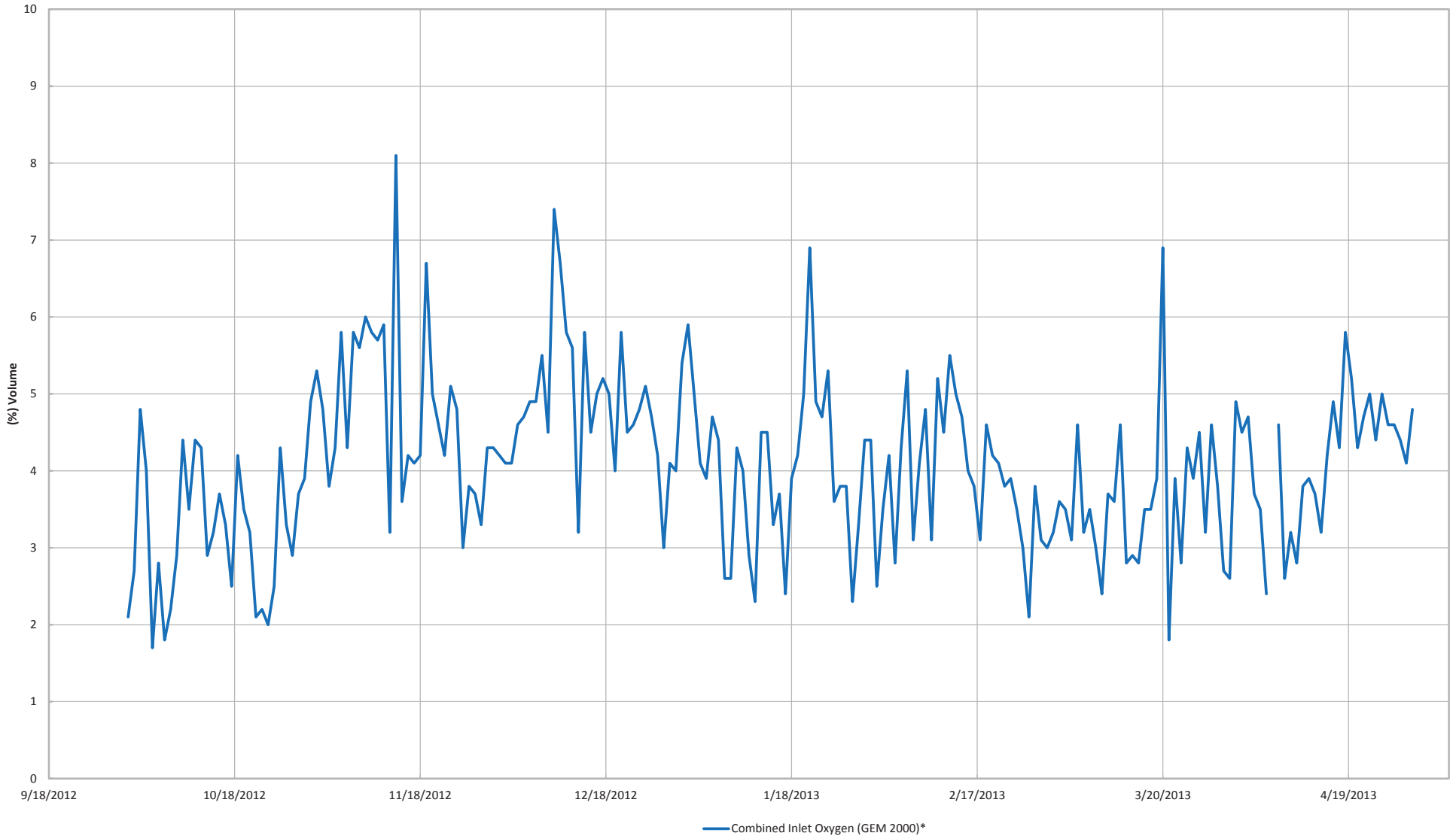
*Data collected from Laboratory Reports.

Combined Inlet Methane (GEM 2000)*



*Gas data collected from GEM 2000 field monitoring instrument.

Combined Inlet Oxygen (GEM 2000)*



*Gas data collected form GEM 2000 field monitoring instrument.

ATTACHMENT B

WORK COMPLETED AND PLANNED

Bridgeton Landfill, LLC

Monthly Summary of Work Completed and Planned

Work Completed in April 2013

Gas Collection and Control System

- Installed booster blower on east side of South Quarry
- Installed new condensate / moisture knockout with demister pad at flare compound
- Remediated and repaired GEW 61, 72, and 74
- Modified flare tips for Zink and Callidus flares resulting in less back pressure
- Began full operation of Gas Interceptor Wells

Leachate Management System

- Remediated outbreaks and added two new french drains with liquid removal sumps
- Installed leachate collection sump LCS-3D
- Started drilling LCS-4 replacement
- Began construction of 316,000 gallon leachate storage tank

Gas Interceptor Wells/Temperature Monitoring Probes

- Installed 13 Blackhawk piston pumps in gas interceptor wells (GIWs)
- Began full operation of GIWs
- Installed and started monitoring temperature monitoring probes (TMPs) 10-14

Cap Related

- Routine erosion control and maintenance

Other Work Items

Work Planned for May 2013

Gas Collection and Control System

- Remove single-walled phase separation vessels from landfill surface and replace with double-walled vessels located off landfill footprint
- Disconnect, reposition, and reconnect booster blower to make way for storm water detention pond
- RCP Abandonments to begin May 20th

Leachate Management System

- Complete LCS-4 replacement
- Complete installation and begin operation of 316,000 gallon leachate storage tank
- Install and operate pump in LCS-3D
- Install and operate pump in LCS-4

Gas Interceptor Wells/Temperature Monitoring Probes

Cap Related

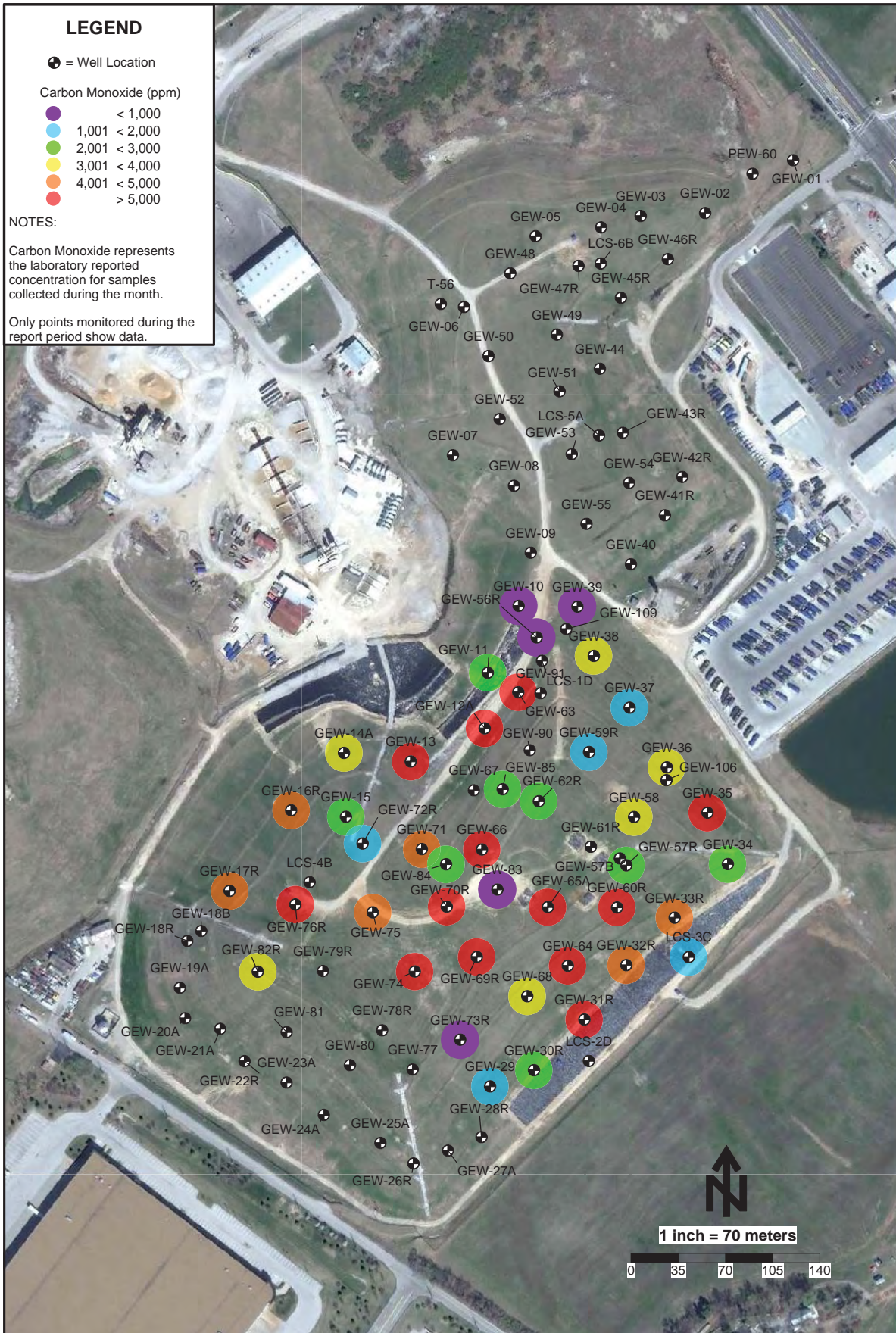
- Start construction of stormwater management ponds
- Cap and cap integrity system construction to begin May 20th with toe-drain sumps.

Other Work Items

- Improve perimeter road for access to Landfill components on the north side of the North Quarry

ATTACHMENT C

CARBON MONOXIDE MAPS



LEGEND

● = Well Location

Carbon Monoxide (ppm)

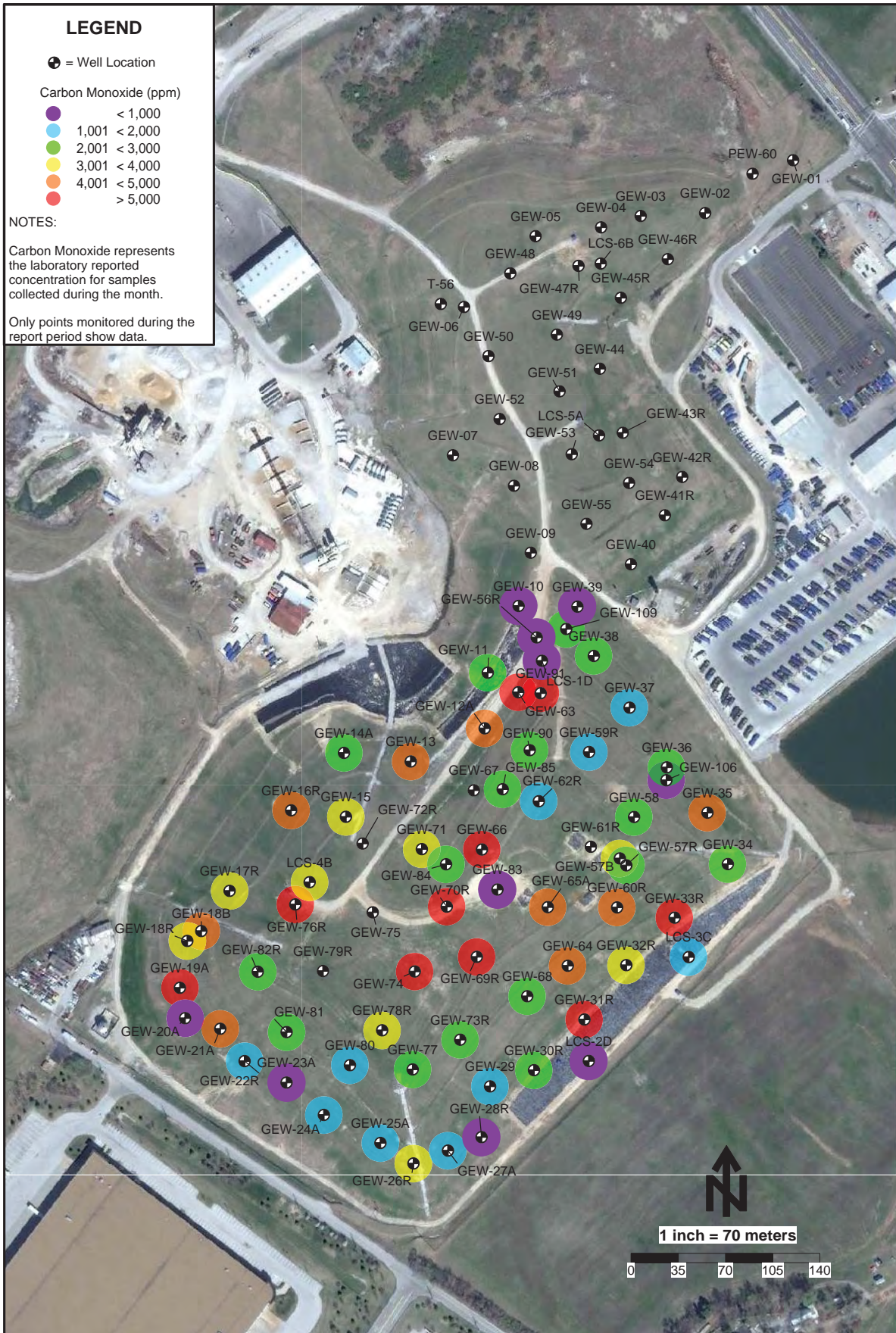
- < 1,000
- 1,001 < 2,000
- 2,001 < 3,000
- 3,001 < 4,000
- 4,001 < 5,000
- > 5,000

NOTES:

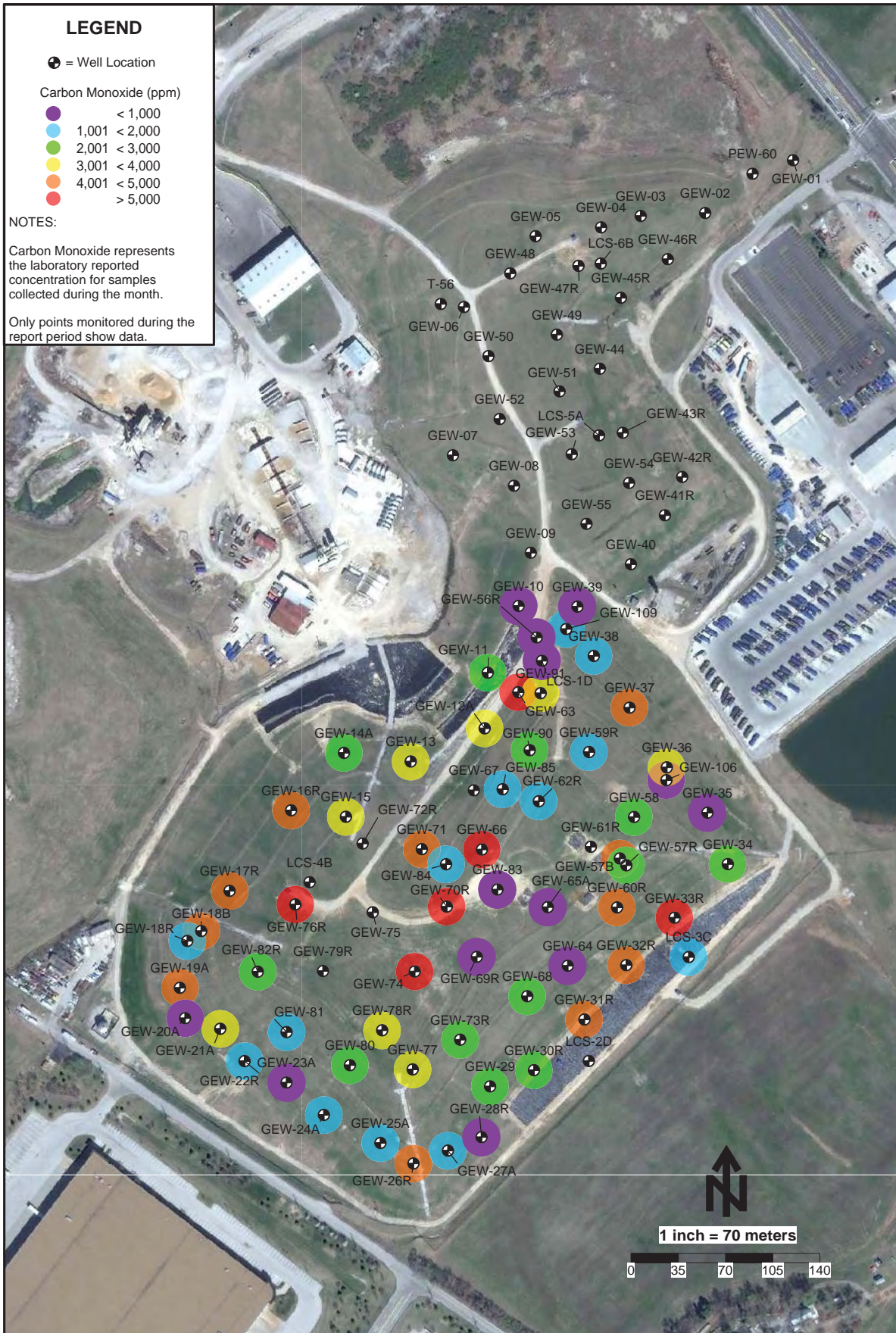
Carbon Monoxide represents the laboratory reported concentration for samples collected during the month.

Only points monitored during the report period show data.

Carbon Monoxide Data Map - January 2013 - Bridgeton Landfill



Carbon Monoxide Data Map - February 2013 - Bridgeton Landfill



LEGEND

⊕ = Well Location

Carbon Monoxide (ppm)

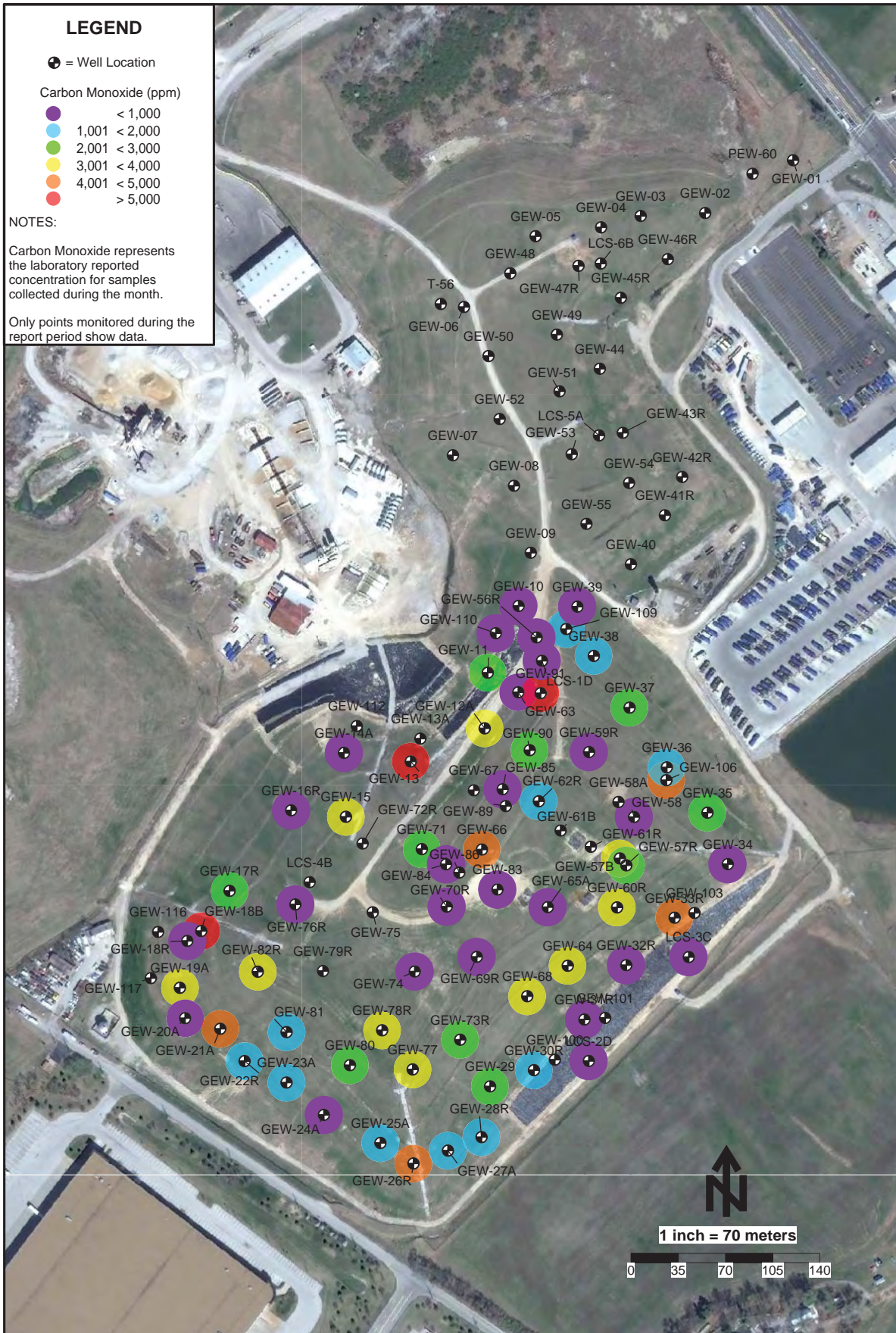
- < 1,000
- 1,001 < 2,000
- 2,001 < 3,000
- 3,001 < 4,000
- 4,001 < 5,000
- > 5,000

NOTES:

Carbon Monoxide represents the laboratory reported concentration for samples collected during the month.

Only points monitored during the report period show data.

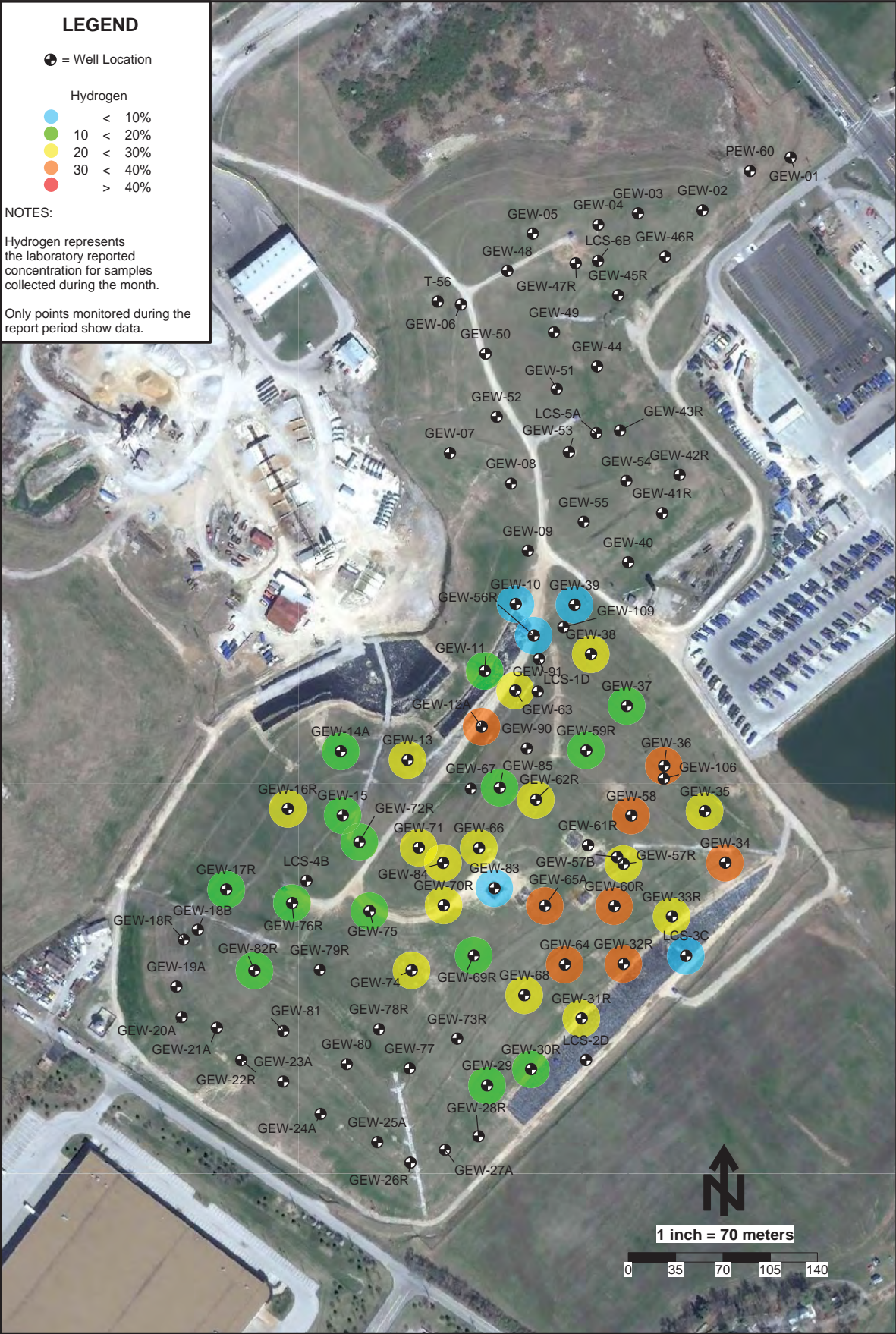
Carbon Monoxide Data Map - March 2013 - Bridgeton Landfill



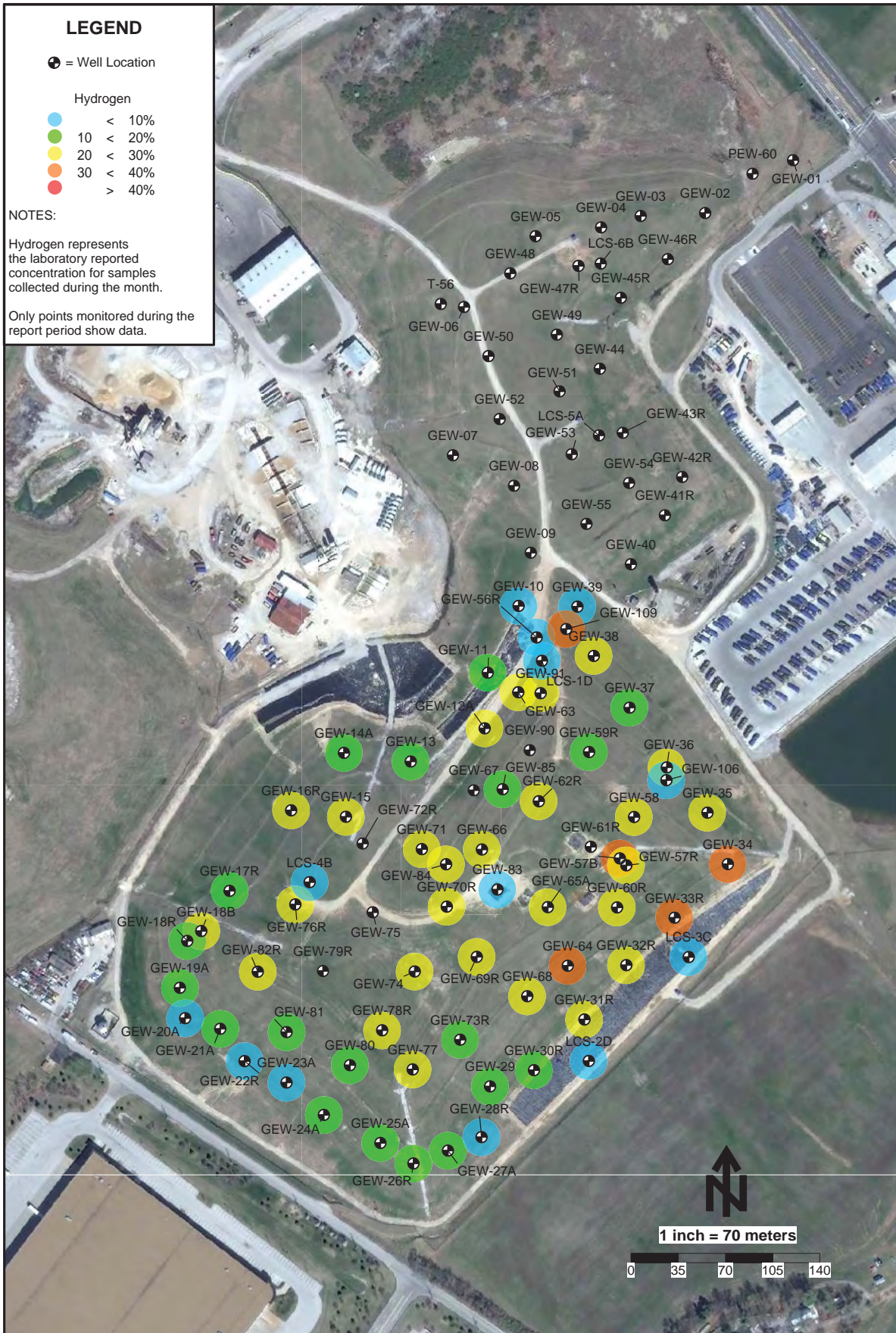
Carbon Monoxide Data Map - April 2013 - Bridgeton Landfill

ATTACHMENT D

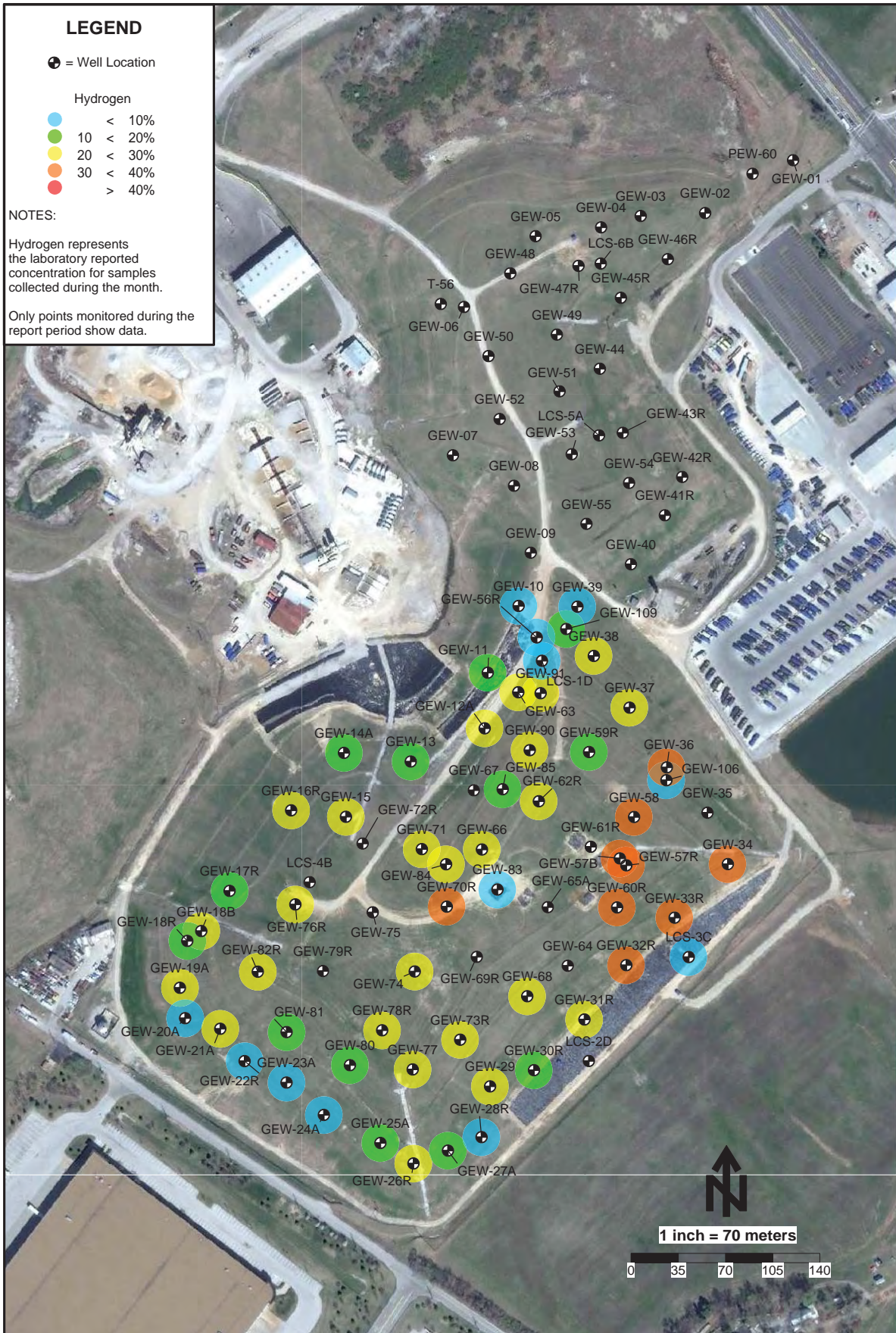
HYDROGEN MAPS



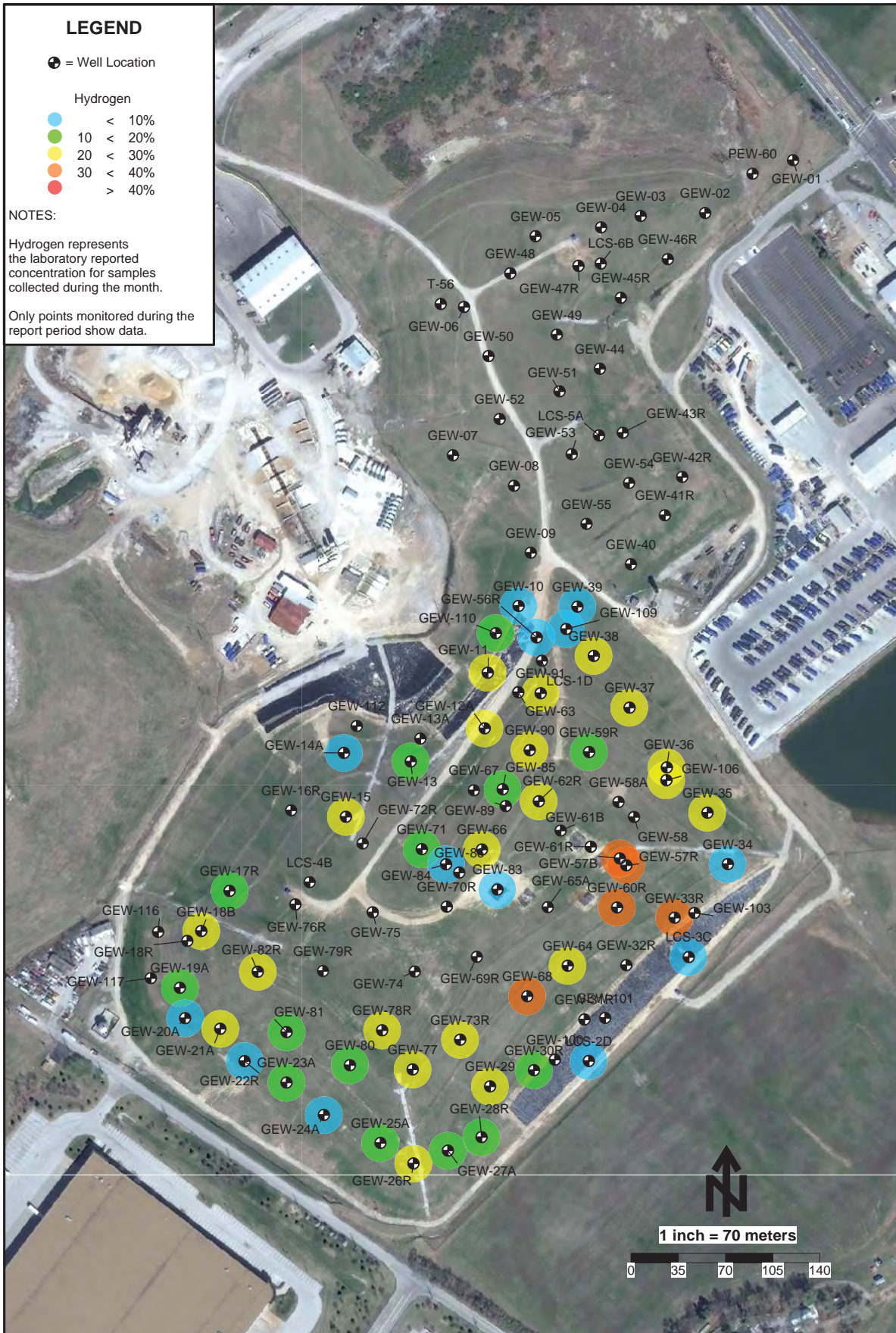
Hydrogen Data Map - January 2013 - Bridgeton Landfill



Hydrogen Data Map - February 2013 - Bridgeton Landfill



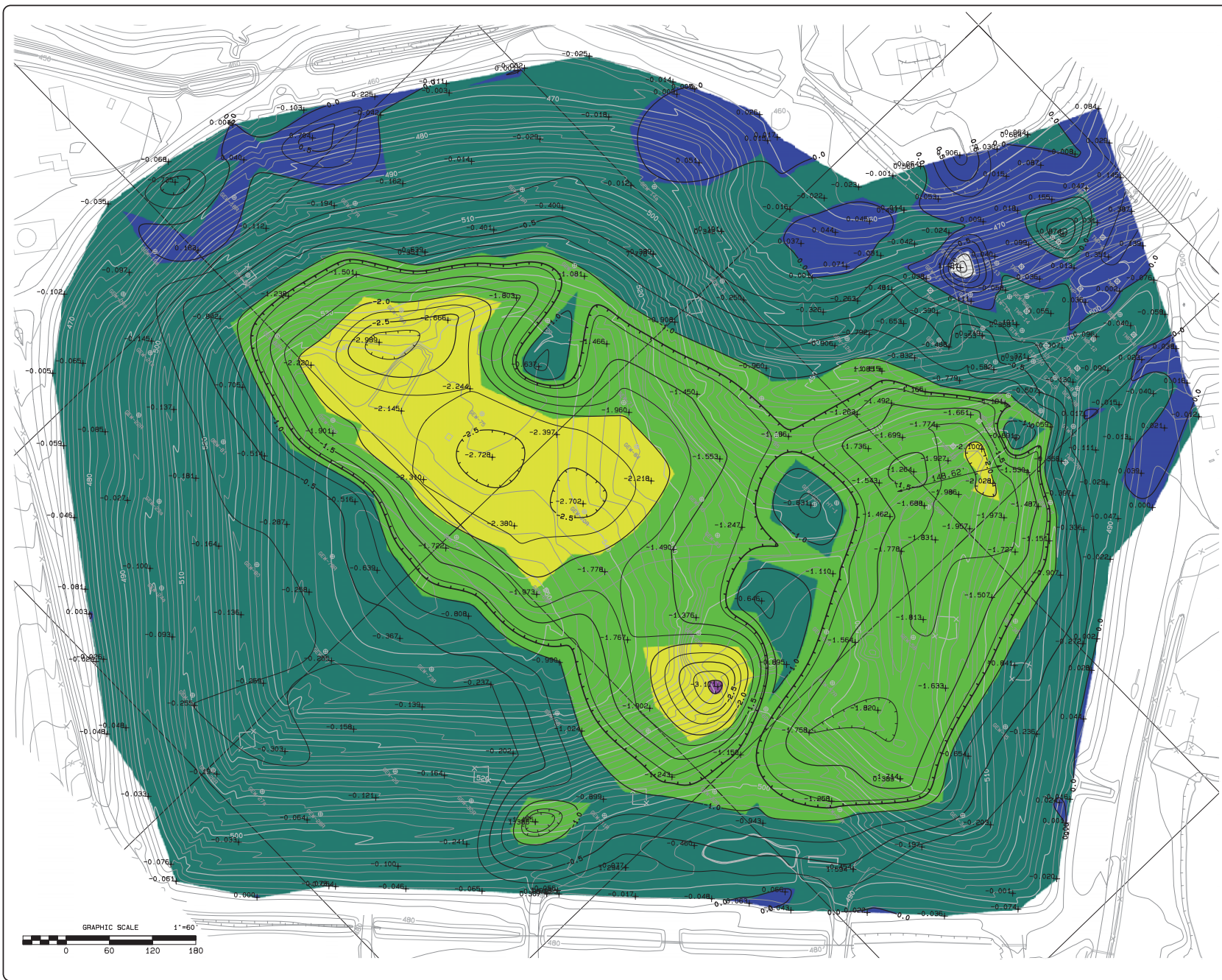
Hydrogen Data Map - March 2013 - Bridgeton Landfill



Hydrogen Data Map - April 2013 - Bridgeton Landfill

ATTACHMENT E

SETTLEMENT FRONT MAP

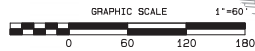
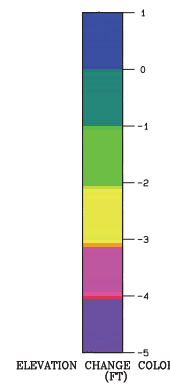


- LEGEND**
- EXISTING TOPOGRAPHIC CONTOUR
 - GAS WELL
 - TWP
 - × SETTLEMENT GRID SURVEY POINT

GENERAL NOTES
 TOPOGRAPHY SHOWN BASED ON PHOTOGRAPHY DATED 2-23-2013

SETTLEMENT NOTES
 CONTOURS ARE OF CHANGE IN ELEVATION FROM 200-2013 TO 4-15-2013 PERFORMED AT GRID POINTS USING GPS METHODS. EXISTING TWP CONTOURS, ELEVATION CHANGES, AND SETTLEMENT IS REPORTED AS A NEGATIVE CHANGE IN ELEVATION.

COUNTOUR AT -1.17 FT IS SHOWN AS APPROXIMATE BOUNDARY OF SETTLEMENT FRONT AS OF 4/15/2013



P. J. CAREY & ASSOCIATES, P.C. <small>2007 PALM BLVD. SUITE 1000, MIAMI, FL 33156</small>	BRIDGETON LANDFILL, LLC
SETTLEMENT FROM MARCH 2010 TO APRIL 15, 2013 (228 DAYS)	BRIDGETON LANDFILL SETTLEMENT MONITORING
<small>DRAWING 4</small>	<small>SHEET 4</small>

ATTACHMENT F

GAS WELLFIELD DATA

ATTACHMENT F-1

GEM DATA SPREADSHEET

April 2013 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	Init Diff Press	Adj Diff Press	System Pressure	Baro
		(%)				°F		scfm		"H ₂ O					"Hg
GEW-01	4/2/2013 9:39	0.4	7.9	19.4	72.3	54	57		2	-7.8	-6.2	-0.012	0.001	-7.1	29.67
	4/2/2013 9:42	0.2	3.7	20.5	75.6	62	62			-2.3	-2.2	-0.032	-0.032	-6.15	29.67
	4/9/2013 9:10	41.7	25.5	4.9	27.9	67	68	6	6	0	0	0.009	0.009	-21.08	29.21
	4/9/2013 9:13	60.7	28	1.8	9.5	66	66	13	18	-5.8	-5.9	0.036	0.072	-20.05	29.21
	4/16/2013 9:24	23	17.7	9.4	49.9	44	44	14	10	-10.7	-10.6	0.048	0.027	-10.59	29.61
	4/16/2013 9:26	18.9	15.8	11.5	53.8	45	45	8	18	-10.2	-10.1	0.018	0.08	-10.53	29.61
	4/23/2013 9:36	0.3	4.7	20.5	74.5	53	53		1	-12.4	-12.8	-0.011	0	-12.88	29.49
	4/23/2013 9:37	0.1	2	21.5	76.4	53	53	7	6	-8.4	-8.4	0.013	0.012	-12.92	29.52
	4/29/2013 9:07	10.2	9.6	16.8	63.4	72	72	6	7	-1	-1	0.011	0.012	-11.14	29.41
4/29/2013 9:10	8.5	7.1	18	66.4	75	74	3	2	-0.1	-0.1	0.002	0.001	-11.64	29.41	
GEW-02	4/2/2013 9:50	43.4	35.4	0	21.2	124	124	20	19	-1.1	-1.1	0.114	0.101	-3.98	29.7
	4/9/2013 9:20	44.6	37.4	0	18	129	130	54	57	-4.3	-4.4	0.757	0.853	-23.45	29.25
	4/16/2013 9:15	46.7	38.1	0	15.2	123	124	34	36	-1.3	-1.3	0.31	0.347	-10.41	29.57
	4/23/2013 9:44	42.8	36.2	0	21	123	124	42	36	-2.2	-2.4	0.462	0.349	-13.35	29.53
	4/29/2013 9:17	45	37.3	0	17.7	120	122	58	53	-2.9	-2.7	0.844	0.717	-13.18	29.44
GEW-03	4/2/2013 9:53	45.1	35.2	0	19.7	111	112	100	101	-3.5	-3.6	2.425	2.466	-6.76	29.67
	4/9/2013 9:23	43.8	36.6	0	19.6	123	123	29	28	-1.6	-1.6	0.224	0.208	-21.66	29.22
	4/16/2013 9:30	38.8	35	0	26.2	115	115	20	22	-0.8	-0.8	0.108	0.129	-10.12	29.56
	4/23/2013 9:46	35.4	34.5	0.1	30	114	115	62	67	-2.5	-2.5	0.985	1.163	-11.43	29.5
	4/29/2013 9:19	34.2	34.1	0	31.7	120	120	17	19	-1	-0.9	0.078	0.101	-11.56	29.4
GEW-04	4/2/2013 9:55	46.2	37.8	0	16	110	110	26	25	-0.9	-0.9	0.173	0.16	-5.19	29.66
	4/9/2013 9:24	44	36.1	0	19.9	119	120	16	15	-1.4	-1.3	0.07	0.064	-20.04	29.21
	4/16/2013 9:33	42.4	38	0	19.6	113	114	32	30	-0.6	-0.6	0.263	0.236	-10.62	29.56
	4/23/2013 9:49	40	36.8	0	23.2	117	117	16	16	-1.2	-1.2	0.071	0.071	-11.97	29.49
	4/29/2013 9:22	43.2	37.6	0	19.2	117	118	13	16	-0.7	-0.7	0.05	0.075	-11.66	29.39
GEW-05	4/2/2013 10:02	34.7	32.8	0	32.5	101	101	26	34	-1	-1	0.181	0.291	-19.41	29.64
	4/9/2013 9:31	33.5	32.4	0	34.1	102	102	19	18	-1.1	-1.1	0.099	0.085	-20.87	29.2
	4/16/2013 9:42	32.6	33.3	0	34.1	97	97	29	29	-0.6	-0.6	0.218	0.215	-10.68	29.56
	4/23/2013 9:54	32.4	31.8	0	35.8	99	99	20	17	-1	-1	0.105	0.078	-12.27	29.48
	4/29/2013 9:28	34.2	33.6	0	32.2	100	101	17	17	-0.6	-0.5	0.082	0.079	-11.77	29.38
GEW-06	4/2/2013 10:08	34	31.3	0.9	33.8	89	89	10	18	-1.1	-1.2	0.026	0.085	-17.24	29.66
	4/9/2013 9:36	29.6	30.2	1.2	39	91	91	20	16	-1.1	-1.1	0.11	0.066	-20.08	29.2
	4/16/2013 9:47	32	33	0.8	34.2	85	86	20	20	-0.6	-0.6	0.11	0.109	-10.7	29.56
	4/23/2013 9:59	35.1	32.4	0.3	32.2	87	87	33	32	-1	-0.9	0.267	0.254	-13.15	29.47
	4/29/2013 9:34	39	33.7	0.3	27	90	90	17	18	-0.5	-0.5	0.077	0.083	-11.93	29.38
GEW-07	4/2/2013 10:38	52.6	40.1	0	7.3	107	108	16	11	-9.8	-9.8	0.07	0.035	-20.03	29.68
	4/9/2013 10:06	50.9	40.1	0	9	109	109	19	22	-11.2	-11.2	0.1	0.125	-22.27	29.25
	4/16/2013 10:22	53.9	41.2	0.1	4.8	106	106	27	23	-6.2	-6.2	0.193	0.134	-9.33	29.6
	4/23/2013 10:25	53.7	41.4	0	4.9	106	106	24	23	-7.1	-7.1	0.156	0.142	-13.23	29.47
	4/29/2013 10:02	52.1	40.1	0.4	7.4	106	106	18	14	-7	-7	0.086	0.052	-12.5	29.41
GEW-08	4/2/2013 10:35	55.7	42.9	0	1.4	122	122	16	13	-1.2	-1.2	0.073	0.051	-21.23	29.66
	4/9/2013 10:04	55	42.5	0	2.5	122	122	24	21	-1	-1	0.152	0.114	-21.2	29.23
	4/16/2013 10:17	56.5	43.4	0	0.1	121	122	31	32	0.1	0.1	0.253	0.261	-13.43	29.58
	4/16/2013 10:18	56.5	43.4	0	0.1	122	123	41	38	-0.4	-0.4	0.427	0.368	-12.95	29.58
	4/23/2013 10:23	54.7	43.1	0	2.2	121	121	28	32	-2	-2	0.208	0.264	-16.67	29.45
4/29/2013 9:59	53.2	42.4	0	4.4	121	121	25	22	-1.4	-1.4	0.162	0.13	-13.83	29.4	

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Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	Init Diff Press	Adj Diff Press	System Pressure	Baro
		(%)				°F		scfm		"H ₂ O					"Hg
GEW-09	4/2/2013 10:41	54.4	42.9	0	2.7	82	83	5	9	-0.7	-0.7	0.006	0.02	-27.36	29.7
	4/9/2013 10:10	52	43.6	0.3	4.1	87	87	18	19	-0.5	-0.5	0.082	0.089	-23.9	29.26
	4/16/2013 10:26	55.6	44.3	0	0.1	66	68	28	29	-0.1	-0.1	0.19	0.201	-19.17	29.62
	4/23/2013 10:29	50.8	42.2	0.6	6.4	84	84	16	15	-0.5	-0.5	0.068	0.058	-25.31	29.49
	4/29/2013 10:06	52.8	42.5	0.4	4.3	100	100	6	6	-0.6	-0.6	0.012	0.012	-20.69	29.42
GEW-10	4/2/2013 11:18	26.9	57.6	0.2	15.3	102	102	8	8	-15.3	-15.3	0.021	0.024	-25.18	29.67
	4/10/2013 8:46	30.4	62.9	0.1	6.6	106	106	18	16	-12.8	-12.8	0.106	0.09	-17.86	29.19
	4/17/2013 11:23	31.6	55.6	0.5	12.3	108	108			-15.2	-15.2	-0.005	-0.035	-22.27	29.48
	4/22/2013 15:55	30.5	44.1	0.1	25.3	102	102	12	14	-15.2	-15.3	0.049	0.065	-22.15	29.43
	4/22/2013 16:00	31.2	43	0.1	25.7	102	102	15	14	-15.6	-15.6	0.066	0.062	-21.78	29.43
GEW-11	4/2/2013 11:01	31.1	42.7	0.6	25.6	108	108	13	16	-14.3	-14.3	0.051	0.076	-20.09	29.41
	4/2/2013 14:03	11.3	65	0.3	23.4	162	162	34	32	-13.3	-13.1	0.437	0.39	-13.11	29.68
	4/10/2013 9:42	9.8	70.8	0.1	19.3	168	168	24	26	-6.2	-6.3	0.231	0.27	-6.3	29.22
	4/17/2013 14:08	25.1	67.5	0.3	7.1	170	170	26	27	-7.7	-7.3	0.244	0.259	-7.6	29.41
	4/22/2013 16:13	10.1	68.9	0	21	168	168	13	16	-7.1	-7.4	0.073	0.103	-7	29.43
GEW-12A	4/22/2013 16:18	10.7	69.2	0.1	20	168	168	27	27	-8.4	-8.9	0.274	0.287	-9.07	29.43
	4/29/2013 11:48	9.3	66.8	0.6	23.3	170	170	16	20	-9.1	-9.6	0.104	0.161	-10.12	29.42
	4/2/2013 14:12	0.3	69.2	0.8	29.7	110	110			-9.7	-10	-10.876	-8.681	-12.95	29.67
	4/10/2013 9:53	0.3	74.4	0	25.3	170	170	44	42	6.7	3.9	6.492	5.939	1.99	29.2
	4/17/2013 14:16	7.1	65.7	2.2	25	162	162	49	17	4.8	3.8	7.662	0.905	0.67	29.4
GEW-13	4/22/2013 16:26	1.2	67.8	1.1	29.9	148	148	29		-1.4	-1.6	2.667	-2.254	-2	29.42
	4/22/2013 16:33	1.4	65.6	1.7	31.3	150	150	26		3.4	1.3	2.198	-5.705	3.33	29.42
	4/29/2013 13:39	0.3	65.2	1.8	32.7	156	156	47		2.5	1.7	7.019	-2.669	2.5	29.36
	4/10/2013 10:01	0.2	86.4	0	13.4	150	150	2	1	-6.3	-6.4	0.013	0.006	-6.58	29.21
	4/17/2013 14:24	14.1	85.8	0	0.1	140	140	1		-7.3	-7.8	0.002	-0.14	-8.82	29.39
GEW-14A	4/22/2013 16:24	0.3	85.4	0	14.3	146	146			-7.3	-7.1	-0.367	-0.284	-7.16	29.51
	4/22/2013 16:29	0.2	85.5	0	14.3	146	146			-8.1	-7.6	-0.383	-0.649	-8.19	29.51
	4/29/2013 13:46	0.3	84	0.7	15	154	154	8	1	-9	-8.8	0.188	0.003	-9.29	29.37
	4/2/2013 14:23	13.3	75	0	11.7	120	120	35	18	-4.9	-4.5	0.438	0.123	-5.43	29.67
	4/10/2013 10:07	12.4	79.5	0	8.1	122	122	16	8	-2.7	-2.8	0.093	0.026	-3.19	29.21
GEW-15	4/17/2013 14:28	19.5	76.5	0	4	104	104	9	32	-0.3	-0.2	0.031	0.349	-0.41	29.39
	4/22/2013 16:14	17	68.3	2.1	12.6	70	70			-2.7	-2.8	-0.239	-0.149	-2.88	29.51
	4/22/2013 16:20	19.3	74.7	0	6	70	70	29	17	0.7	0.8	0.256	0.095	-2.76	29.51
	4/29/2013 13:49	8.7	60.8	2.8	27.7	80	80	13	8	-0.3	-0.3	0.058	0.022	-0.38	29.36
	4/2/2013 15:07	2.7	72.8	0	24.5	136	136	71	68	0	0	1.78	1.627	-1.87	29.61
GEW-16R	4/10/2013 10:44	3.2	73.5	0	23.3	136	136	46	47	1.4	1.5	0.751	0.782	0.41	29.19
	4/17/2013 15:04	3.1	73.5	0	23.4	140	140	48	47	3.1	2.9	0.826	0.789	0.61	29.31
	4/22/2013 16:03	2.9	71.1	0.2	25.8	140	140	77	72	1.3	1.5	2.082	1.823	0.35	29.48
	4/22/2013 16:10	2.9	70.7	0.1	26.3	140	140	74	71	1.2	1.3	1.877	1.745	0.23	29.48
GEW-17R	4/10/2013 10:40	3.4	77.6	0	19	148	148			7	7	-15.899	-15.825	0.36	29.23
	4/4/2013 8:35	0.5	77.8	0.2	21.5	140	140	63	12	-2.8	-2.6	1.448	0.064	-1.96	29.62
	4/10/2013 14:28	0.3	77.9	0	21.8	140	140	8	15	0.8	0.8	0.026	0.086	0.8	29.11
	4/19/2013 9:21	0.5	77.2	0.4	21.9	150	150	60	43	-3.3	-3.4	1.361	0.69	-2.43	29.2
	4/25/2013 11:12	0.4	77.8	0	21.8	160	160	33		-0.8	-0.5	0.435	-0.49	-0.23	29.8
	4/25/2013 11:16	0.4	77.6	0	22	160	160	51	45	-0.5	-0.3	1.005	0.769	-0.54	29.8
	4/30/2013 8:59	0.5	77.3	0	22.2	170	170	48	40	1.1	0.8	0.89	0.619	1.06	29.33

April 2013 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	Init Diff Press	Adj Diff Press	System Pressure	Baro
		%				°F		scfm		"H ₂ O					"Hg
GEW-18B	4/4/2013 8:38	0.3	80.5	0	19.2	142	142			3.3	3	-0.389	-0.368	-0.95	29.66
	4/19/2013 9:27	0.3	81.2	0	18.5	130	130			-2.5	-2.6	-0.082	-0.084	-3.05	29.2
	4/25/2013 11:20	0.2	80.2	0	19.6	134	134	13		-0.7	-0.8	0.074	-0.145	-1.38	29.83
	4/25/2013 11:25	0.2	80.2	0	19.6	134	134	21		-0.4	-0.4	0.17	-0.042	-1.11	29.83
	4/30/2013 9:02	0.2	80.9	0	18.9	140	140			0.7	1	-0.071	-0.12	-0.39	29.37
GEW-18R	4/10/2013 14:31	12.7	75.7	0	11.6	122	122	23	32	1	1	0.184	0.365	0.52	29.15
	4/19/2013 9:34	10.6	75.8	0	13.6	120	120			1.3	1.1	-1.576	-1.086	-2.8	29.21
	4/19/2013 9:36	10.7	75.5	0	13.8	122	122	49	58	-1	-0.9	0.813	1.137	-3.1	29.21
GEW-19A	4/4/2013 8:44	2.2	77.3	0.8	19.7	44	44	17	17	-2.2	-2.1	0.094	0.092	-2.34	29.68
	4/10/2013 14:39	2.5	77.8	0	19.7	88	88	10	16	2.1	2.1	0.035	0.091	0.45	29.17
	4/19/2013 9:54	1.3	78.7	1	19	35	35			-2	-2	-0.086	-0.086	-3.37	29.22
	4/25/2013 11:34	1.2	81.3	0	17.5	60	60	12	14	0.2	0.1	0.052	0.069	-0.09	29.87
	4/25/2013 11:39	1.2	80.9	0	17.9	60	60	25	23	-1	-1.2	0.204	0.173	-1.23	29.87
	4/30/2013 9:10	1.1	80.2	0.2	18.5	70	70	15	9	-0.9	-0.6	0.081	0.029	-1.1	29.4
GEW-20A	4/4/2013 8:46	1.6	23.4	14.7	60.3	40	40	94	92	-1.9	-1.8	2.107	2.038	-2.19	29.69
	4/10/2013 14:41	15.8	76.4	0.7	7.1	90	90			0.5	0.5	-0.148	-0.08	0.55	29.16
	4/19/2013 9:58	4.6	32.5	13.2	49.7	32	32	111	114	-3	-2.9	2.958	3.124	-2.48	29.22
	4/25/2013 11:42	5.8	50.9	8.2	35.1	51	51	33	35	-0.7	-0.8	0.306	0.356	-1.06	29.86
	4/25/2013 11:48	5.4	46.2	9.7	38.7	51	51	51	54	-1	-1	0.717	0.791	-0.94	29.86
	4/30/2013 9:12	6.7	47.3	9.1	36.9	70	70	92	94	-0.4	-0.5	2.305	2.413	-0.69	29.39
GEW-21A	4/4/2013 8:50	2.4	76.5	0.6	20.5	140	140	22	22	-0.7	-0.7	0.185	0.195	-2.15	29.68
	4/10/2013 14:45	1.6	77.6	0	20.8	140	140			1.4	1.4	-0.433	-0.416	0.55	29.16
	4/19/2013 10:06	1.6	67.3	3.3	27.8	130	130			-3.3	-3.3	-0.116	-0.088	-3.51	29.2
	4/25/2013 11:51	1.8	77.3	0	20.9	102	102	11	4	-0.8	-0.8	0.051	0.007	-0.85	29.83
	4/25/2013 11:56	1.8	77.1	0	21.1	102	102	10	17	-0.1	-0.3	0.041	0.104	-0.38	29.83
	4/30/2013 9:15	2	74	0.1	23.9	72	72	15	10	-0.7	-0.8	0.075	0.034	-0.63	29.39
GEW-22R	4/4/2013 8:52	11.1	80.1	0	8.8	122	122	37	41	-0.3	-0.4	0.492	0.586	-0.45	29.66
	4/10/2013 14:47	9.3	80.7	0	10	110	110			2.1	2.1	-1.551	-1.528	2.09	29.13
	4/19/2013 10:08	11.4	81.5	0	7.1	108	108	22	23	-0.3	-0.4	0.18	0.187	-0.47	29.2
	4/25/2013 11:27	9.6	79.6	0	10.8	105	105			1	1	-1.017	-0.911	1.07	29.7
	4/25/2013 11:33	9.5	79.1	0	11.4	105	105			1.3	1.3	-1.287	-1.29	1.35	29.71
4/30/2013 9:18	9.1	80.2	0	10.7	110	110			1.9	1.9	-1.906	-2.067	1.96	29.37	
GEW-23A	4/4/2013 8:54	21.8	75	0	3.2	116	116	39	39	0.2	0.2	0.5	0.5	-0.42	29.66
	4/10/2013 14:50	18.2	76.1	0	5.7	116	116	41	41	2.8	2.7	0.554	0.556	0.88	29.14
	4/19/2013 10:13	22.5	75.4	0	2.1	110	110	35	39	0.8	0.9	0.406	0.494	0.03	29.19
	4/25/2013 11:39	17.9	73	0	9.1	110	110	43	39	2.1	2.1	0.603	0.493	0.47	29.7
	4/25/2013 11:45	17.7	74	0	8.3	110	110	38	33	2.1	2.1	0.476	0.354	0.6	29.7
	4/30/2013 9:19	17.6	75.7	0	6.7	120	120	37	31	2.3	2.4	0.457	0.332	1.22	29.36
GEW-24A	4/4/2013 8:57	21	71.9	0	7.1	126	126			-0.8	-0.8	-0.276	-0.375	-2.34	29.65
	4/10/2013 14:52	16.2	74.5	0	9.3	126	126			1.7	1.6	-0.276	-0.279	0.47	29.13
	4/19/2013 10:16	21.9	72.1	0	6	120	120			-1.2	-1.1	-0.615	-0.621	-3.42	29.19
	4/25/2013 11:50	18.4	71.6	0	10	120	120			0.5	0.7	-0.517	-0.375	-0.9	29.69
	4/25/2013 11:56	19.1	70.6	0	10.3	120	120			-0.1	-0.1	-0.751	-0.643	-0.34	29.69
4/30/2013 9:22	17.5	73.3	0	9.2	126	126			0.2	0.2	-0.25	-0.247	-0.02	29.36	

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Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	Init Diff Press	Adj Diff Press	System Pressure	Baro
		(%)				°F		scfm		"H ₂ O					"Hg
GEW-25A	4/4/2013 8:59	15.8	71.5	0	12.7	136	136	21	26	-0.8	-0.8	0.165	0.239	-2.47	29.64
	4/10/2013 14:55	11.5	75.7	0	12.8	134	134			1.8	1.7	-1.202	-1.076	0.33	29.12
	4/19/2013 10:19	16.8	74.5	0	8.7	132	132	12		-0.8	-0.8	0.056	-0.039	-3.58	29.18
	4/25/2013 12:15	14	72.6	0	13.4	132	132			0.7	0.6	-1.612	-1.702	-0.86	29.69
	4/25/2013 12:20	14.1	72.9	0	13	132	132			0.7	0.8	-1.322	-1.305	-0.44	29.69
	4/30/2013 9:24	13.5	73.8	0	12.7	140	140			0.7	0.7	-1.812	-1.823	-0.24	29.36
GEW-26R	4/4/2013 9:02	0.8	76.1	0	23.1	180	180			2	2.1	-7.457	-7.725	-1.25	29.63
	4/19/2013 10:22	0.8	79.9	0	19.3	175	175			1.7	1.8	-9.363	-8.587	-1.86	29.18
	4/25/2013 12:23	0.6	78.6	0	20.8	175	175			3.3	3.3	-6.809	-6.747	3.4	29.69
	4/25/2013 12:31	0.5	79.3	0	20.2	175	175			3.4	3.7	-5.958	-6.418	3.88	29.69
	4/30/2013 9:27	0.6	79	0	20.4	180	180			4.1	4.1	-4.208	-4.278	1	29.36
GEW-27A	4/4/2013 9:04	21.8	74.6	0	3.6	140	140	50	47	-1.8	-1.7	0.843	0.756	-1.99	29.63
	4/10/2013 14:58	18.1	73.5	0	8.4	142	142	48	51	0.8	0.8	0.784	0.884	0.75	29.11
	4/19/2013 10:25	20.2	74.8	0	5	140	140	47	45	-2.5	-2.4	0.775	0.695	-1.5	29.18
	4/25/2013 12:11	20.9	70.4	0	8.7	140	140	43	40	-0.1	0	0.628	0.542	-0.69	29.81
	4/25/2013 12:16	21.3	69.8	0	8.9	140	140	39	42	0	-0.2	0.527	0.587	-0.3	29.81
	4/30/2013 9:29	19.6	73.1	0	7.3	140	140	36	34	0.7	0.6	0.448	0.396	0.49	29.35
GEW-28R	4/4/2013 9:07	21.6	70.2	0	8.2	124	124	24	30	-1.3	-1.3	0.205	0.294	-3.84	29.63
	4/10/2013 15:00	19.8	70.8	0	9.4	124	124	36	33	0.9	0.9	0.431	0.365	-0.69	29.1
	4/19/2013 10:27	23.1	71.1	0	5.8	120	120	24	22	-3.6	-3.6	0.199	0.172	-3.74	29.19
	4/25/2013 12:18	21.8	69.2	0	9	124	124	21	28	-0.6	-0.8	0.153	0.27	-1.58	29.82
	4/25/2013 12:23	22.1	69	0	8.9	124	124	28	24	-0.6	-0.7	0.256	0.2	-1.72	29.82
	4/30/2013 9:31	19.9	70.4	0	9.7	124	124	21	25	0	0	0.15	0.218	-0.41	29.35
GEW-29	4/4/2013 9:14	9.8	73.8	0	16.4	122	122	66	64	0	0	1.483	1.376	-1.52	29.59
	4/10/2013 16:16	8.4	74.6	0	17	126	126	63	64	2.5	2.5	1.341	1.397	0.62	29.04
	4/22/2013 10:13	8	73.7	0	18.3	125	125	69	62	0.8	0.8	1.607	1.309	-0.62	29.52
	4/22/2013 10:18	8.1	73.9	0	18	125	125	61	60	0.9	1	1.26	1.24	-0.55	29.52
	4/30/2013 10:12	7.7	74.3	0	18	128	128	64	57	1.9	2.1	1.396	1.121	0.61	29.32
GEW-30R	4/4/2013 9:17	15.1	71.3	0	13.6	164	164	19	21	-3.5	-3.3	1.034	1.225	-4.04	29.62
	4/10/2013 16:19	11.7	74	0	14.3	160	160	19	20	-0.4	-0.3	0.961	1.108	-1.1	29.05
	4/22/2013 10:23	25.7	66	0	8.3	150	150	11	11	-3.6	-3.5	0.331	0.345	-3.86	29.53
	4/22/2013 10:32	26	65.2	0	8.8	150	150	12	15	-3.5	-3.7	0.367	0.602	-3.75	29.53
	4/30/2013 10:15	20.4	69.5	0	10.1	156	156	13	12	-2.2	-2.2	0.479	0.379	-2.54	29.35
GEW-31R	4/4/2013 10:16	0.3	76.3	0	23.4	54	54			-1.1	-0.9	-0.995	-0.845	-0.9	29.65
	4/10/2013 17:27	0.3	78	0	21.7	64	64			-1.5	-1.6	-1.816	-1.855	-1.66	29.03
GEW-32R	4/4/2013 9:22	1	70.3	0	28.7	190	190			-4.2	-4.9	-1.104	-8.901	-4.53	29.64
	4/10/2013 16:30	0.9	71.9	0	27.2	184	184			-3.7	-4.8	-4.507	-3.458	-4.36	29.07
GEW-33R	4/4/2013 9:25	0.4	67.6	0	32	194	194			-9.7	-10.1	-10.252	-10.264	-9.91	29.65
	4/22/2013 10:59	0.3	66.9	0	32.8	190	190			-7.4	-7	-7.852	-7.658	-7.84	29.56
	4/22/2013 11:04	0.3	67.1	0	32.6	190	190			-8.1	-7.8	-8.538	-8.241	-8.32	29.56
	4/30/2013 10:37	0.5	67.5	0	32	190	190			-13.7	-13.3	-13.407	-13.985	-13.86	29.38
GEW-34	4/4/2013 9:28	2.9	36.6	11	49.5	60	60	14	14	-10.7	-11.7	0.062	0.06	-13.88	29.65
	4/10/2013 16:54	1	12.1	17.4	69.5	64	64	13	11	-11	-11.1	0.046	0.034	-12.05	29.02
	4/22/2013 11:11	3.8	32.3	11.2	52.7	70	70	18		-12.3	-14	0.102	-0.014	-12.7	29.54
	4/22/2013 11:19	1.6	14.5	16.1	67.8	70	70	18	9	-12.9	-12.4	0.088	0.027	-11.86	29.54
	4/30/2013 10:40	0.5	8.3	17.6	73.6	80	80			-13.8	-15	-0.03	-0.019	-16.37	29.36

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		(%)				°F		scfm		"H ₂ O					"Hg
GEW-35	4/4/2013 9:33	0.4	78.3	0.1	21.2	188	188	41	41	-10	-10.7	0.707	0.685	-22.78	29.64
	4/10/2013 16:59	0.5	75	0	24.5	160	160	11	10	-15	-15.4	0.055	0.046	-17.62	29.03
	4/22/2013 14:07	10.1	54.3	5	30.6	130	130	38	37	-20.4	-20.2	0.497	0.476	-20.85	29.59
	4/22/2013 14:13	15.3	34.3	6.4	44	130	130	29	28	-20	-19.8	0.259	0.252	-20.76	29.59
	4/30/2013 10:46	0.5	37.6	8.6	53.3	140	140			-18.1	-18.1	-0.026	-0.002	-18.9	29.37
GEW-36	4/4/2013 9:37	0.3	70.7	0	29	168	168	3		-14.7	-15.7	0.034	-0.208	-16.13	29.63
	4/10/2013 17:02	0.3	70.9	0	28.8	154	154			-13.5	-14.7	-0.084	-0.281	-13.93	29.04
	4/22/2013 14:17	23.7	43.8	7.2	25.3	82	82	10		-20.8	-19.8	0.206	-0.048	-20.95	29.57
	4/22/2013 14:22	30	42.9	7.3	19.8	82	82		4	-19.6	-19.6	-0.276	0.041	-20.69	29.57
GEW-37	4/30/2013 10:49	0.3	32.5	10.8	56.4	92	92	5		-17.7	-17.5	0.062	-0.408	-19.23	29.38
	4/4/2013 9:40	0.2	75.2	0	24.6	180	180	16	14	-6.6	-6.6	0.116	0.089	-19.84	29.63
	4/10/2013 17:09	0.2	50.1	6	43.7	142	142	12	10	-12.3	-11.8	0.053	0.041	-14.37	29.04
	4/22/2013 14:28	36.3	61.1	2.4	0.2	154	154	18	16	-18.9	-19.8	0.119	0.094	-19.78	29.57
	4/22/2013 14:35	0.3	66.3	0.7	32.7	152	152	10	8	-18	-18.1	0.047	0.026	-18.82	29.57
GEW-38	4/30/2013 10:52	0.5	46	6.9	46.6	146	146	12		-17.1	-17.5	0.057	-0.047	-18.48	29.37
	4/4/2013 9:43	11	73.4	0	15.6	126	126		23	-10.8	-10.8	-0.3	0.189	-29.1	29.64
	4/10/2013 17:13	10.7	75.4	0	13.9	120	120	39	42	-7.6	-7.7	0.543	0.607	-22.86	29.03
	4/22/2013 14:30	6.2	71.1	0	22.7	120	120	10	12	-7.6	-7.5	0.036	0.052	-24.02	29.47
	4/22/2013 14:35	6.2	70.9	0	22.9	120	120	7	12	-7.5	-7.5	0.023	0.055	-25.78	29.47
GEW-39	4/30/2013 10:54	6.7	70	0	23.3	126	126	21	22	-4.7	-4.5	0.169	0.182	-23.82	29.38
	4/4/2013 9:45	40.7	56.7	0	2.6	110	110	102	101	-6.8	-6.7	2.852	2.798	-21.01	29.63
	4/10/2013 17:16	39.7	60.2	0	0.1	118	118	89	96	-5.3	-5.4	2.232	2.612	-17.18	29.03
	4/22/2013 14:40	39.8	56.2	0	4	110	110	94	89	-6.2	-6.4	2.417	2.18	-19.6	29.46
	4/22/2013 14:45	40.6	54.3	0	5.1	110	110	96	93	-6.3	-6.3	2.49	2.335	-18.57	29.46
GEW-40	4/30/2013 10:57	42.5	56.8	0	0.7	112	112	84	82	-7	-6.8	1.934	1.84	-17.48	29.38
	4/2/2013 9:08	52.5	47.1	0	0.4	94	94	18	19	-1.9	-2	0.086	0.093	-32.56	29.68
	4/9/2013 8:49	50.8	46.5	0	2.7	95	95	14	16	-1.7	-1.7	0.055	0.07	-24.49	29.22
	4/16/2013 8:54	50.7	47.7	0	1.6	89	89	20	19	-0.8	-0.8	0.105	0.094	-18.73	29.6
	4/23/2013 9:18	51	46	0.1	2.9	93	93	19	20	-1.8	-1.8	0.091	0.11	-23.75	29.5
GEW-41R	4/29/2013 8:42	52.5	45.4	0.2	1.9	94	94	17	18	-1.3	-1.3	0.081	0.089	-20.18	29.41
	4/2/2013 9:10	47.2	36.5	0.2	16.1	109	110	60	60	-1.9	-2	0.882	0.88	-32.41	29.68
	4/9/2013 8:51	46	37.1	0.2	16.7	109	110	58	67	-1.8	-1.8	0.829	1.116	-22.49	29.23
	4/16/2013 8:57	51.2	39.8	0.3	8.7	103	103	48	52	-1.2	-1.3	0.559	0.667	-19.18	29.59
	4/23/2013 9:20	44.9	37.3	0.3	17.5	106	107	66	55	-1.9	-2	1.055	0.762	-22.03	29.5
GEW-42R	4/29/2013 8:45	46.5	38	0.3	15.2	107	107	21	18	-0.8	-0.8	0.115	0.091	-19.01	29.43
	4/2/2013 9:13	31.5	29.9	0	38.6	83	84	8	8	-1	-1	0.019	0.017	-29.61	29.68
	4/9/2013 8:53	33.9	31.2	0	34.9	89	89	5	6	-0.6	-0.6	0.009	0.009	-22.67	29.22
	4/16/2013 8:59	34.6	31.4	0	34	70	70	17	16	-0.5	-0.5	0.071	0.067	-15.79	29.58
	4/23/2013 9:22	29.3	31	0	39.7	81	81	14	14	-0.9	-0.9	0.051	0.051	-22.39	29.5
GEW-43R	4/29/2013 8:47	34	34.7	0.2	31.1	81	82	24	24	-0.6	-0.6	0.149	0.148	-18.07	29.42
	4/2/2013 9:16	53.5	40.9	0.4	5.2	72	72	14	11	-0.5	-0.5	0.051	0.029	-27.98	29.68
	4/2/2013 9:18	52.8	41.8	0.4	5	85	86	17	21	-0.6	-0.6	0.073	0.114	-27.62	29.68
	4/9/2013 8:57	53.8	42.8	0.1	3.3	107	107	12	10	-0.4	-0.4	0.038	0.03	-22.61	29.21
	4/16/2013 9:02	56.3	43.6	0	0.1	77	77	2	1	-0.2	-0.2	0.001	0	-15.52	29.57
	4/23/2013 9:25	56.3	43	0	0.7	87	88	15	11	-0.7	-0.7	0.055	0.033	-20.93	29.49
GEW-43R	4/29/2013 8:50	55.7	44.2	0	0.1	80	81	14	13	-0.2	-0.2	0.052	0.045	-16.87	29.41
	4/29/2013 8:53	55.6	44.3	0	0.1	86	87	28	29	-0.3	-0.3	0.198	0.21	-17.2	29.41

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		%				°F		scfm		"H ₂ O					"Hg
GEW-44	4/2/2013 9:22	0.3	8.9	19.4	71.4	47	48			-0.7	-0.6	-0.031	-0.024	-29.36	29.66
	4/2/2013 9:24	0	4	20.7	75.3	50	50			-0.4	-0.4	-0.024	-0.024	-28.36	29.66
	4/2/2013 9:29	12.6	15.2	10.4	61.8	82	82	9	12	-2.5	-2.5	0.021	0.043	-30.5	29.66
	4/9/2013 9:00	29	27.1	2.6	41.3	107	104	17	13	-2.3	-2.2	0.079	0.048	-23.21	29.21
	4/16/2013 9:06	28.2	29.6	2	40.2	105	106	18	21	-2.4	-2.4	0.094	0.12	-16.76	29.57
	4/23/2013 9:27	29.9	28.8	3.4	37.9	104	105	18	18	-3.4	-3.4	0.089	0.088	-21.49	29.49
GEW-45R	4/29/2013 8:56	32.6	29.8	3.2	34.4	94	96	13	14	-2.5	-2.5	0.049	0.058	-17.91	29.4
	4/2/2013 9:32	35.5	31.8	0	32.7	93	94	44	43	-4.6	-4.7	0.478	0.47	-20.1	29.67
	4/9/2013 9:04	31.5	30	0	38.5	97	98	40	38	-4.9	-4.9	0.408	0.365	-22.54	29.22
	4/16/2013 9:09	32.3	31.5	0	36.2	85	85	41	36	-3	-3	0.409	0.323	-10.85	29.58
	4/23/2013 9:30	32.5	31.5	0.3	35.7	88	88	50	36	-3.9	-3.8	0.616	0.328	-12.62	29.49
4/29/2013 8:59	34.9	32.9	0.6	31.6	89	89	37	45	-3.4	-3.4	0.34	0.504	-11.28	29.42	
GEW-46R	4/2/2013 9:35	29.4	30.7	0	39.9	97	98	24	25	-1.3	-1.3	0.158	0.165	-19.78	29.67
	4/9/2013 9:06	24.5	28	0	47.5	97	98	14	17	-1.4	-1.4	0.052	0.082	-21.15	29.21
	4/16/2013 9:12	23.5	27.9	1.2	47.4	91	92	13	15	-0.8	-0.8	0.048	0.059	-10.51	29.57
	4/23/2013 9:32	20	27.6	0	52.4	94	95	34	29	-1.1	-1.2	0.3	0.219	-13	29.5
4/29/2013 9:04	20.7	28	0.1	51.2	97	97	16	15	-0.8	-0.8	0.071	0.063	-12.6	29.41	
GEW-47R	4/2/2013 10:00	26.1	29.9	0.7	43.3	107	108	8	7	-0.9	-0.9	0.021	0.015	-16.67	29.65
	4/9/2013 9:29	23.2	28.4	0.8	47.6	108	109	23	10	-0.9	-0.9	0.143	0.032	-21.98	29.21
	4/16/2013 9:39	29.6	32.7	0.5	37.2	88	88	19	18	-0.5	-0.5	0.095	0.087	-10.3	29.55
	4/23/2013 9:52	24.4	30.1	0.7	44.8	89	89	13	14	-0.8	-0.8	0.049	0.058	-12.61	29.48
4/29/2013 9:26	33.7	34.5	0.7	31.1	91	92	10	10	-0.4	-0.4	0.029	0.029	-11.91	29.39	
GEW-48	4/2/2013 10:05	41.7	35.4	0	22.9	106	106	31	32	-2.1	-2.1	0.252	0.269	-18.07	29.65
	4/9/2013 9:33	39	34.4	0	26.6	107	107	33	37	-2.3	-2.3	0.284	0.345	-21.72	29.2
	4/16/2013 9:44	40.4	36.2	0	23.4	105	105	27	28	-1.3	-1.3	0.192	0.21	-10.19	29.55
	4/23/2013 9:56	40.1	34.9	0	25	106	106	27	34	-1.7	-1.7	0.184	0.29	-12.65	29.47
4/29/2013 9:31	39.7	35.8	0	24.5	107	107	27	27	-1.3	-1.3	0.195	0.19	-12.23	29.38	
GEW-49	4/2/2013 10:18	17.6	25.6	1	55.8	93	93	5	5	-1	-1	0.008	0.008	-25.5	29.66
	4/9/2013 9:46	15.8	23.9	0.7	59.6	98	98	10	9	-1	-1	0.027	0.026	-22.94	29.22
	4/16/2013 9:58	20.9	28	0	51.1	92	92	19	18	-0.8	-0.8	0.101	0.085	-17.1	29.58
	4/23/2013 10:08	15.1	24.8	0.3	59.8	94	95	13	13	-0.8	-0.8	0.05	0.049	-21.89	29.48
4/29/2013 9:43	22.2	28.1	0.1	49.6	96	97	7	8	-0.6	-0.6	0.015	0.018	-17.72	29.39	
GEW-50	4/2/2013 10:12	49.3	37.1	0	13.6	109	109	20	18	-1.7	-1.7	0.106	0.082	-17.39	29.67
	4/9/2013 9:40	48.5	35.7	0	15.8	109	110	22	22	-1.8	-1.8	0.122	0.123	-21.08	29.22
	4/16/2013 9:51	49.6	38.3	0	12.1	106	107	22	22	-0.9	-1	0.129	0.131	-8.68	29.57
	4/23/2013 10:03	50.5	38.1	0	11.4	107	108	24	19	-1.4	-1.3	0.146	0.098	-11.79	29.49
4/29/2013 9:38	51.1	38.2	0	10.7	108	108	19	20	-0.9	-0.9	0.092	0.109	-11.47	29.4	
GEW-51	4/2/2013 10:20	45.3	35.7	0	19	121	121	15	15	-1.9	-1.9	0.06	0.064	-23.72	29.65
	4/9/2013 9:49	43.1	36.6	0.2	20.1	120	121	32	35	-1.8	-1.8	0.274	0.314	-22.11	29.21
	4/16/2013 10:01	43.2	37.6	0.1	19.1	117	117	22		-1.4	-1.3	0.132	-0.02	-16.27	29.57
	4/23/2013 10:11	43.8	37.7	0	18.5	121	121	20	19	-1.6	-1.6	0.111	0.096	-19.9	29.47
4/29/2013 9:45	44	37.9	0	18.1	120	121	9	8	-1.2	-1.2	0.022	0.018	-15.63	29.39	
GEW-52	4/2/2013 10:15	22.6	28.1	0	49.3	100	100			-0.7	-0.7	-0.674	-0.721	-18.18	29.66
	4/9/2013 9:43	22.1	28.4	0	49.5	103	103	35	33	-0.7	-0.7	0.319	0.297	-23.79	29.21
	4/16/2013 9:54	22.8	30.5	0	46.7	96	97	18	20	-0.4	-0.4	0.092	0.108	-10.61	29.57
	4/23/2013 10:05	24.9	30.1	0	45	96	96	30	29	-0.5	-0.5	0.235	0.227	-12.24	29.48
4/29/2013 9:41	26.6	30.5	0	42.9	101	101	30	29	-0.4	-0.4	0.245	0.227	-13.23	29.39	

April 2013 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	Init Diff Press	Adj Diff Press	System Pressure	Baro
		(%)				°F		scfm		"H ₂ O					"Hg
GEW-53	4/2/2013 10:25	40.9	36.3	0.1	22.7	124	126			-1.4	-1.4	-0.018	-0.026	-22.85	29.65
	4/9/2013 9:54	39.2	36.8	0.1	23.9	123	123	9	7	-1.1	-1.1	0.025	0.017	-21.54	29.21
	4/16/2013 10:04	40	36.8	0	23.2	108	109	27	27	-0.6	-0.6	0.195	0.192	-13.42	29.58
	4/23/2013 10:14	42.4	37.9	0	19.7	117	118	20	20	-1	-1	0.11	0.114	-20.55	29.47
	4/29/2013 9:48	44.4	38.7	0.1	16.8	119	119	30	29	-0.6	-0.7	0.233	0.228	-14.83	29.39
GEW-54	4/2/2013 10:30	42.6	37.1	0	20.3	124	125	18	23	-2.1	-2.1	0.087	0.146	-27.6	29.66
	4/9/2013 9:58	43.5	37.8	0	18.7	126	127	24	20	-1.9	-1.9	0.154	0.112	-23.5	29.22
	4/16/2013 10:10	44.2	39.2	0	16.6	125	126	24	27	-1.3	-1.3	0.158	0.198	-18.93	29.58
	4/23/2013 10:18	46.1	39.3	0	14.6	123	124	24	25	-1.5	-1.5	0.15	0.168	-23.84	29.45
	4/29/2013 9:53	46.1	39.1	0	14.8	126	126	20	19	-1.4	-1.4	0.107	0.098	-19.66	29.39
GEW-55	4/2/2013 10:32	41.4	37.4	0	21.2	123	123	10	9	-2	-2	0.028	0.025	-2	29.66
	4/9/2013 10:01	39.4	38	0	22.6	124	125	28	12	-1.8	-1.8	0.218	0.042	-24.63	29.23
	4/16/2013 10:13	40	38.6	0	21.4	123	124	20	20	-1.2	-1.2	0.115	0.11	-19.48	29.59
	4/23/2013 10:21	38.5	37.8	0	23.7	123	124	17	17	-1.5	-1.5	0.08	0.085	-24.65	29.45
	4/29/2013 9:56	39.1	37.7	0	23.2	123	124	12	9	-1.4	-1.4	0.042	0.025	-19.96	29.39
GEW-56R	4/2/2013 11:15	24.8	49.1	0	26.1	104	104	44	42	-19	-19.1	0.578	0.529	-21.23	29.67
	4/10/2013 8:43	24.7	57	0	18.3	104	104	39	33	-15.5	-15.3	0.471	0.343	-16.93	29.18
	4/17/2013 11:20	25.7	53.5	0	20.8	106	106	42	52	-17.8	-18.3	0.537	0.806	-19.47	29.47
	4/22/2013 15:46	22.6	49.1	0	28.3	100	100	33	31	-19.1	-18.1	0.323	0.291	-20.34	29.43
	4/22/2013 15:51	23.3	47.7	0	29	100	100	37	46	-18.1	-18.1	0.417	0.629	-19.33	29.43
	4/29/2013 10:57	21.9	38.5	0	39.6	108	108	46	59	-16.7	-17.2	0.617	0.975	-17.8	29.41
GEW-57B	4/3/2013 15:55	1.3	66.7	1.1	30.9	160	160	189	169	-12.1	-10.1	12.601	10.067	-12.47	29.76
	4/10/2013 11:47	0.4	65.2	1.6	32.8	172	172	151	159	-8.1	-9.2	8.217	9.096	-8.43	29.18
	4/22/2013 10:47	0.2	66.2	1.7	31.9	168	168	127	130	-6	-6.3	5.754	6.074	-6.8	29.66
	4/22/2013 10:58	0.2	66.6	1.5	31.7	168	168	130	138	-6.1	-6.2	6.08	6.782	-6.35	29.66
	4/29/2013 14:50	1.4	65.6	1.9	31.1	164	164	136	110	-6	-5.1	6.571	4.318	-6.28	29.3
GEW-57R	4/3/2013 15:52	4.4	69.4	0	26.2	180	180	184	174	-12.1	-10.9	12.402	11.018	-12.83	29.76
	4/10/2013 11:44	2.6	70	0	27.4	180	180	141	138	-7.2	-7.3	7.271	6.958	-8.15	29.19
	4/22/2013 10:37	2	69.7	0.1	28.2	182	182	129	131	-5.7	-6	6.139	6.301	-6.18	29.65
	4/22/2013 10:43	2	70	0.1	27.9	182	182	133	138	-6.2	-6.4	6.547	7.001	-6.33	29.65
	4/29/2013 14:47	3.7	69	0.1	27.2	182	182	153	108	-6.3	-5.9	8.522	4.325	-6.8	29.3
GEW-58															
GEW-59R	4/3/2013 15:40	20.9	63.7	0	15.4	160	160	225	222	-16.5	-16.4	16.588	16.19	-16.72	29.76
	4/10/2013 11:29	18.8	68.4	0	12.8	160	160	193	194	-13	-13	12.47	12.597	-12.98	29.17
	4/17/2013 15:27	18.6	68	0	13.4	164	164	169	168	-9.4	-9.6	9.613	9.464	-9.57	29.3
	4/22/2013 10:16	18.8	65.5	0	15.7	162	162	208	208	-14.2	-14.1	14.371	14.493	-14.09	29.66
	4/22/2013 10:21	19	65.2	0	15.8	162	162	206	208	-14.2	-14	14.083	14.35	-14.15	29.66
4/29/2013 14:36	20.5	64.7	0	14.8	164	164	173	169	-9.9	-9.8	9.902	9.39	-9.86	29.3	
GEW-60R	4/3/2013 15:47	1	60.8	2.5	35.7	186	186			-12.8	-14.2	-13.34	-14.019	-12.65	29.76
	4/10/2013 11:41	0.5	64.1	2.1	33.3	188	188			-7.8	-8.9	-6.635	-9.189	-7.68	29.18
	4/22/2013 10:25	0.4	63.9	1.9	33.8	190	190			-6	-6.1	-6.807	-6.368	-6.23	29.65
	4/22/2013 10:33	0.4	62.4	2.4	34.8	190	190			-5.4	-6.4	-6.021	-6.115	-5.73	29.65
	4/29/2013 14:45	1.3	60.6	2.9	35.2	190	190			-6.7	-6.6	-6.933	-6.095	-6.24	29.3
GEW-62R	4/3/2013 16:03	8.4	45.9	6.8	38.9	150	150			-11.9	-11.5	-11.88	-11.055	-12.5	29.74
	4/10/2013 11:55	5.8	52.4	3.9	37.9	160	160			-6	-6.6	-5.621	-4.801	-6.32	29.17
	4/22/2013 11:03	5.6	51.2	5.3	37.9	165	165			-5.9	-6.2	-6.063	-5.533	-6.1	29.65
	4/22/2013 11:08	5.3	50.8	5.4	38.5	165	165			-5.9	-6.2	-5.845	-6.022	-6.12	29.65
	4/29/2013 14:56	11.8	51.5	4.7	32	164	164			-5.5	-5.9	-5.441	-6.537	-6.38	29.29

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		(%)				°F		scfm		"H ₂ O					"Hg
GEW-63	4/2/2013 14:08	0.4	76.2	0	23.4	184	184	22	37	-5.9	-6.3	0.212	0.546	-11.18	29.69
	4/10/2013 9:46	0.3	78.6	0	21.1	186	186	23		4.3	6.3	0.229	-0.01	4.91	29.21
	4/29/2013 11:54	0.6	76.7	0.1	22.6	196	196	36	49	1.5	-0.9	0.542	0.959	-1.31	29.41
GEW-64	4/3/2013 16:12	1.1	69.4	1.1	28.4	188	188			-6.9	-6	-7.206	-5.283	-7.67	29.74
	4/10/2013 13:57	0.2	71.9	0.4	27.5	186	186	28	19	-0.7	0.4	2.291	1.046	-2.96	29.13
	4/22/2013 11:37	0.3	69.6	1	29.1	185	185			-5	-4	-5.814	-3.84	-3.7	29.54
	4/22/2013 11:42	0.3	69.9	0.8	29	185	185			-4	-4.4	-2.432	-3.92	-4.43	29.54
	4/30/2013 8:35	0.4	70.6	0.9	28.1	186	186			-4.9	-4.6	-5.17	-4.726	-4.69	29.35
GEW-66	4/3/2013 16:05	1.1	72.7	0	26.2	190	190	159	174	-12.4	-11.5	9.676	11.55	-11.98	29.75
	4/10/2013 13:49	0.2	70.4	0.2	29.2	190	190	88	87	-1.8	-2.3	2.942	2.891	-1.23	29.2
	4/22/2013 11:12	0.7	70.6	0.5	28.2	180	180	125	109	-6.1	-4.9	5.833	4.463	-6.32	29.66
	4/22/2013 11:17	1.4	66.7	1.6	30.3	180	180	134	132	-6.4	-5.8	6.566	6.391	-6.08	29.66
	4/29/2013 14:59	6.1	64	2.2	27.7	190	190	118	143	-5.4	-5.3	5.025	7.323	-5.6	29.29
GEW-68	4/3/2013 16:15	5.1	73.2	0	21.7	124	124		68	2.4	2.8	-0.592	1.581	3.32	29.74
	4/10/2013 14:03	1.9	72	0	26.1	94	94	19	19	9.5	9.5	0.122	0.121	9.52	29.1
	4/22/2013 11:36	6.4	71.9	0	21.7	70	70			7.4	7.4	-0.309	-0.312	7.45	29.62
	4/22/2013 11:41	8.1	71.6	0	20.3	70	70			7.4	7.4	-0.317	-0.322	7.43	29.62
GEW-70R	4/30/2013 8:40	2.3	72.6	0	25.1	76	76	11	12	7.8	7.8	0.044	0.049	7.89	29.33
	4/3/2013 16:23	1.4	75.5	0	23.1	194	194	151	136	-8.4	-8.2	8.841	7.191	-9.12	29.71
GEW-71	4/10/2013 14:10	0.3	73	0	26.7	190	190	91	81	-2.1	-1.5	3.151	2.526	-1.49	29.11
	4/2/2013 15:12	4.8	73.8	0.1	21.3	156	156	179	185	-11.9	-12.2	11.433	12.253	-12.63	29.62
	4/10/2013 10:48	4.2	74.6	0.1	21.1	160	160	138	132	-6.2	-6.4	6.88	6.237	-6.73	29.15
	4/17/2013 15:13	3.6	73.9	0.2	22.3	164	164	145	149	-7.2	-7.6	7.568	7.994	-7.33	29.29
	4/22/2013 15:53	2.8	71.2	0.9	25.1	164	164	137	137	-7	-6.6	6.786	6.734	-7.35	29.49
	4/22/2013 15:58	2.8	71	0.6	25.6	164	164	141	140	-7.2	-7.2	7.109	7.057	-7.18	29.49
GEW-73R	4/29/2013 14:22	1.6	72.6	0.4	25.4	150	150	122	143	-5.9	-6.4	5.263	7.203	-7.02	29.29
	4/4/2013 9:11	9.4	73.9	0	16.7	124	124	56	56	-0.1	-0.1	1.052	1.056	-1.37	29.64
	4/10/2013 15:03	8.2	70.9	0	20.9	124	124	49	49	2	1.8	0.814	0.802	1.08	29.11
	4/22/2013 10:03	7.7	71.8	0	20.5	125	125	54	54	0	0	0.991	0.977	-1.17	29.5
	4/22/2013 10:09	7.4	72.3	0	20.3	125	125	48	49	0	0.1	0.799	0.816	-1.07	29.5
GEW-74	4/30/2013 10:10	6.2	73.7	0	20.1	130	130	51	50	0.6	0.5	0.918	0.874	-0.24	29.32
GEW-76R															
GEW-77	4/4/2013 8:23	6.3	73.8	0	19.9	132	132	35	32	-0.5	-0.5	0.436	0.363	-1.49	29.62
	4/10/2013 14:17	5.3	72.8	0	21.9	130	130	36	37	3.2	2.7	0.46	0.483	2.63	29.1
	4/19/2013 8:54	5.9	74.5	0	19.6	128	128	38	34	-0.9	-1.1	0.52	0.405	-1.87	29.15
	4/25/2013 12:40	5.4	72.9	0	21.7	130	130	30	41	1.1	1.1	0.331	0.592	0.49	29.64
	4/25/2013 13:09	5.5	72.7	0	21.8	125	125	24	19	1	1.6	0.207	0.132	1.89	29.64
GEW-78R	4/30/2013 8:48	5.2	74.5	0	20.3	132	132	36	36	0.4	0.3	0.456	0.475	-0.1	29.31
	4/4/2013 8:20	3.3	71.7	0	25	132	132	49	48	0.6	0.5	0.843	0.826	-0.37	29.62
	4/10/2013 14:15	2.6	72.4	0	25	132	132	45	39	3.3	3.4	0.721	0.528	2.68	29.1
	4/19/2013 8:51	3.1	71.6	0	25.3	130	130	48	47	0.3	0.2	0.793	0.776	-0.88	29.16
	4/25/2013 12:36	2.8	72.9	0	24.3	132	132	37	38	2.3	2.3	0.5	0.506	1.34	29.77
	4/25/2013 12:41	2.8	72.8	0	24.4	132	132	35	40	2.1	2	0.444	0.57	1.19	29.77
	4/30/2013 8:46	2.6	73	0	24.4	130	130	39	42	1.6	1.7	0.529	0.639	0.74	29.31

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		(%)				°F		scfm		"H ₂ O					"Hg
GEW-80	4/4/2013 8:26	10.1	78.8	0	11.1	120	120	60	59	0.2	0.2	1.216	1.206	-1.34	29.62
	4/10/2013 14:19	9.1	76.5	0	14.4	120	120	47	51	3.3	3	0.767	0.884	2.11	29.1
	4/19/2013 8:57	10.2	79.6	0	10.2	112	112	55	55	0.2	0.2	1.019	1.018	-1.58	29.16
	4/19/2013 9:00	10.4	79.6	0	10	112	112	58	57	0	0	1.154	1.098	-1.39	29.16
	4/25/2013 11:07	9.2	75.1	0.1	15.6	125	125	61	61	1.7	1.8	1.269	1.28	-0.02	29.66
	4/25/2013 11:13	9.2	76.6	0	14.2	125	125	61	61	1.6	1.7	1.272	1.284	0.16	29.66
	4/30/2013 8:51	8.9	77.3	0	13.8	120	120	54	56	1.4	1.3	1.011	1.088	0.2	29.32
GEW-81	4/4/2013 8:29	9.6	78.5	0	11.9	126	126	33	31	0.4	0.4	0.385	0.352	-0.05	29.62
	4/10/2013 14:22	9	78.3	0	12.7	124	124	41	38	3.1	3	0.586	0.518	2.41	29.11
	4/19/2013 9:03	8.9	81	0	10.1	122	122			0.7	0.6	-0.109	-0.208	0.24	29.17
	4/25/2013 11:18	8.5	77.9	0	13.6	120	120			1.9	1.9	-0.347	-0.38	0.4	29.67
	4/25/2013 11:23	8.6	77.8	0	13.6	120	120			1.9	1.9	-0.379	-0.531	0.65	29.67
	4/30/2013 8:53	8.3	79.4	0	12.3	124	124			2.1	2.1	-0.26	-0.167	1.58	29.33
GEW-82R	4/4/2013 8:31	2.8	76.1	0	21.1	176	176	51	53	5.7	5.8	0.97	1.074	2.33	29.63
	4/10/2013 14:24	2.1	74.9	0	23	170	170	69	66	7.9	7.8	1.747	1.597	4.81	29.12
	4/19/2013 9:14	2.7	76.9	0	20.4	165	165	45	46	5.8	6	0.751	0.81	1.86	29.16
	4/25/2013 11:02	2.2	74.9	0	22.9	178	178	70	69	6.8	6.8	1.827	1.751	-2.37	29.81
	4/25/2013 11:07	2.2	75.2	0	22.6	178	178	74	72	6.4	6.6	2.02	1.91	-2.28	29.81
	4/30/2013 8:56	2.2	77.3	0	20.5	176	176	72	68	7	7.1	1.923	1.723	1.32	29.34
GEW-83	4/3/2013 16:08	25.7	59.6	0	14.7	94	94	201	197	-11.5	-11.4	11.303	10.855	-11.03	29.74
	4/10/2013 13:52	23.9	62.7	0	13.4	98	98	89	103	-2.4	-2.6	2.313	3.094	-2.81	29.13
	4/22/2013 11:20	32.1	61.7	0	6.2	98	98	139	143	-5.6	-6	5.376	5.67	-5.87	29.64
	4/22/2013 11:24	33.5	61.1	0	5.4	98	98	133	148	-5.5	-5.9	4.926	6.055	-5.75	29.64
	4/30/2013 8:30	25.2	61.9	0	12.9	98	98	142	167	-6.5	-6.9	5.748	7.976	-6.51	29.35
GEW-84	4/2/2013 15:14	9.9	74.5	0	15.6	108	108	191	200	-11.8	-12.3	11.779	12.897	-12.75	29.61
	4/10/2013 10:50	10.7	76.1	0	13.2	108	108	139	140	-7	-7.1	6.264	6.387	-7.08	29.15
	4/17/2013 15:15	13.4	77.2	0.2	9.2	110	110	136	151	-6.7	-7	6.035	7.365	-6.93	29.3
	4/22/2013 15:44	15.4	77.2	0.4	7	106	106	150	151	-7.6	-7.6	7.165	7.283	-6.65	29.53
	4/22/2013 15:49	15.2	76.7	0.4	7.7	106	106	153	147	-6.9	-6.6	7.498	6.928	-7.19	29.53
	4/29/2013 14:25	18.1	77.7	0.3	3.9	108	108	151	158	-6.7	-6.6	7.285	7.915	-6.4	29.29
GEW-85	4/2/2013 15:20	18.9	63.4	0.1	17.6	148	148	191	192	-11.8	-11.3	11.775	11.844	-12.26	29.65
	4/10/2013 10:58	20.1	65.9	0	14	152	152	141	148	-6.8	-7	6.468	7.149	-6.67	29.2
	4/17/2013 15:22	19.7	66.5	0.1	13.7	154	154	133	134	-6.3	-6.3	5.846	5.887	-6.4	29.33
	4/22/2013 15:35	18.7	67.5	0.2	13.6	158	158	134	130	-6	-5.9	5.979	5.61	-6.01	29.53
	4/22/2013 15:40	18.9	66.9	0.2	14	158	158	139	126	-6.5	-5.7	6.455	5.307	-6.23	29.53
	4/29/2013 14:31	21	68	0.5	10.5	160	160	125	148	-6	-7.3	5.23	7.324	-6.34	29.33
GEW-90	4/3/2013 15:34	1.1	67.2	0	31.7	164	164			9.9	10.1	-9.777	-10.148	-12.49	29.76
	4/3/2013 15:38	1	68.1	0	30.9	164	164	167	196	-11.9	-13.2	9.953	13.73	-12.25	29.76
	4/10/2013 11:01	5.4	62.6	0	32	186	186	123	125	-5.3	-5.6	5.436	5.591	-5.46	29.21
	4/17/2013 15:25	6.7	63.6	0	29.7	174	174	121	116	-4.8	-4.7	5.162	4.714	-5.1	29.32
	4/22/2013 10:02	3.3	63.1	0.4	33.2	186	186	116	123	-4.9	-4.4	4.86	5.454	-4.64	29.67
	4/22/2013 10:13	3.3	64.2	0.3	32.2	186	186	120	116	-4.9	-4.7	5.206	4.855	-5.05	29.67
	4/29/2013 14:34	5.2	65.4	0	29.4	172	172	105	105	-4.6	-5	3.919	3.954	-4.74	29.32
GEW-91	4/2/2013 11:11	0.2	77.3	0	22.5	174	174	218	206	-17.5	-17.5	18.091	16.256	-18.62	29.66
	4/10/2013 8:36	0.1	77	0	22.9	178	178	188	203	-16.1	-16.2	13.575	15.688	-15.9	29.17
	4/17/2013 11:17	0.3	78.2	0	21.5	180	180	207	213	-19.6	-19.7	16.678	17.61	-19.58	29.47
	4/22/2013 15:36	0.4	78.8	0	20.8	178	178	232	236	-19.9	-19.3	20.778	21.469	-19.87	29.42
	4/22/2013 15:41	0.4	79.6	0	20	178	178	227	228	-19.2	-21.3	20.018	20.239	-19.53	29.42
	4/30/2013 11:02	1.2	77.7	0	21.1	182	182	225	215	-19.4	-20.3	19.576	17.889	-19.16	29.37

April 2013 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	Init Diff Press	Adj Diff Press	System Pressure	Baro
		%				°F		scfm		"H ₂ O					"Hg
GEW-106	4/4/2013 10:20	0.2	77.5	0	22.3	136	136	229	227	-18.7	-18.4	18.71	18.49	-18.42	29.66
	4/10/2013 17:23	0.8	76.9	0	22.3	112	112	187	188	-12	-12.1	11.82	11.946	-11.92	29.02
	4/22/2013 14:42	0.2	77.7	0	22.1	130	130	213	212	-16.1	-15.9	16.064	15.893	-16.02	29.57
	4/22/2013 14:46	0.2	77.7	0	22.1	130	130	212	213	-15.9	-15.9	15.925	15.955	-15.96	29.57
GEW-109	4/4/2013 9:47	10.2	43.5	1.7	44.6	90	90	12	10	-7.4	-7.4	0.047	0.033	-27.28	29.63
	4/10/2013 17:18	21.6	52.4	0.2	25.8	88	88	11	12	-5.1	-5.2	0.038	0.045	-23.07	29.02
	4/22/2013 14:48	11.1	51.2	1.3	36.4	85	85	8	9	-2.9	-3	0.02	0.027	-23.4	29.46
	4/22/2013 14:55	11.4	50.8	1.3	36.5	85	85			-2.8	-2.9	-0.08	-0.046	-22.48	29.46
	4/30/2013 10:59	15.4	48.8	1.8	34	90	90			-4	-4	-0.019	-0.008	-23.21	29.37
GEW-110	4/2/2013 11:24	1.5	11.6	17.9	69	40	40			-23	-23.6	-0.068	-0.086	-24.44	29.69
	4/10/2013 8:51	3.5	17.7	15.4	63.4	61	61	12	8	-17.8	-18.3	0.04	0.018	-18.35	29.2
	4/17/2013 11:29	13.6	67.1	0	19.3	78	78	15		-5.2	-5.2	0.072	-0.021	-22.81	29.5
	4/22/2013 16:05	10.7	67.7	0	21.6	75	75	3		-4.9	-4.9	0.003	-0.006	-22.9	29.42
	4/22/2013 16:10	10.7	68.3	0	21	75	75			-5	-5	-0.101	-0.091	-25.65	29.42
4/29/2013 11:06	6.6	74.3	0	19.1	76	76	2	3	-6	-6	0.002	0.004	-19.26	29.42	
LCS-1D	4/2/2013 11:13	51.1	48.7	0	0.2	46	46	244	246	-13.3	-12.7	13.108	13.277	-13.36	29.67
LCS-2D	4/3/2013 10:22	50.7	49.2	0	0.1	92	93	181	178	-7.9	-7.4	7.926	7.655	-7.78	29.86
	4/9/2013 14:09	50.6	49.3	0	0.1	98	99	132	126	-3.7	-4	4.23	3.887	-3.68	29.27
	4/22/2013 10:39	50.1	49.8	0	0.1	85	85	133	131	-4.1	-4.3	4.239	4.143	-4.02	29.55
	4/22/2013 10:44	51.7	48.2	0	0.1	85	85	135	142	-4.2	-4.4	4.329	4.772	-4.28	29.55
LCS-3C	4/3/2013 10:55	17.1	74.1	0.6	8.2	114	114	201	206	-12.7	-13.2	12.927	13.616	-13.17	29.88
	4/9/2013 14:37	16.6	77.5	0.2	5.7	118	118	171	172	-9.7	-9.7	9.578	9.675	-9.82	29.25
	4/17/2013 9:59	17.3	76.3	0.2	6.2	104	104	173	175	-9.5	-9.5	9.453	9.633	-9.62	29.53
	4/25/2013 12:58	2.3	11.4	17.8	68.5	60	60	195	194	-8.6	-8.9	8.853	8.75	-10.63	29.84
	4/25/2013 13:03	2.9	13.6	17.2	66.3	60	60	211	232	-10.4	-12.9	10.383	12.621	-13.93	29.84
LCS-5A	4/2/2013 10:27	45.4	36.7	2.7	15.2	60	60	338	328	-25.2	-24.7	25.455	23.947	-25.59	29.66
	4/9/2013 9:56	57.1	42.8	0	0.1	99	100	298	292	-20.2	-19.8	20.781	19.881	-20.33	29.22
	4/16/2013 10:07	56.2	43.7	0	0.1	97	97	248	248	-13.7	-13.4	14.267	14.215	-13.83	29.58
	4/23/2013 10:16	56.8	43.1	0	0.1	96	96	279	288	-18.1	-18.7	18.067	19.186	-18.43	29.46
	4/29/2013 9:51	57.4	42.5	0	0.1	98	98	242	236	-13.8	-13.2	13.455	12.756	-13.47	29.39
LCS-6B	4/2/2013 9:57	33	33.7	2.4	30.9	95	95			-7	-7	-0.003	-0.098	-17.45	29.66
	4/9/2013 9:27	34.9	33.2	2.4	29.5	96	97	10	11	-7.9	-7.9	0.028	0.034	-20.84	29.21
	4/16/2013 9:36	33.4	33.3	1.8	31.5	90	89	18	19	-8.8	-8.8	0.091	0.094	-10.95	29.56
	4/23/2013 9:50	34	33.5	2	30.5	109	109	15	13	-10.2	-10.5	0.068	0.05	-12.35	29.48
	4/29/2013 9:24	33.5	32.7	2.4	31.4	108	108	13	13	-9.8	-9.9	0.049	0.046	-11.23	29.39
PEW60	4/2/2013 9:45	28.4	19.4	8	44.2	54	55	7		-4.5	-5.1	0.013	-0.018	-6.08	29.69
	4/2/2013 9:48	26.4	18.8	8.8	46	56	56			-2.2	-2.1	-0.005	-0.005	-5.59	29.69
	4/9/2013 9:15	68.7	31.2	0	0.1	67	67	11	10	8.7	8.7	0.025	0.023	-20.23	29.24
	4/9/2013 9:17	69.5	30.4	0	0.1	67	67	3	9	-6.4	-6.8	0.003	0.018	-21.09	29.24
	4/16/2013 9:18	23.5	16	9.9	50.6	45	45	21	17	-10.7	-10	0.104	0.07	-10.96	29.61
	4/16/2013 9:20	17.7	11.7	13	57.6	45	45	15	14	-10.7	-10	0.056	0.05	-10.75	29.61
	4/23/2013 9:40	21.8	6.3	15.3	56.6	54	54	14		-12.3	-12.4	0.049	-0.004	-12	29.53
	4/23/2013 9:41	11.4	5.1	18	65.5	53	53	7	7	-5.9	-5.6	0.013	0.014	-12.57	29.53
	4/29/2013 9:12	74.3	24.9	0	0.8	72	72	11	11	7.1	7.1	0.028	0.026	-11.23	29.44
4/29/2013 9:14	53.5	21.7	4	20.8	72	72	7	6	-5.8	-5.9	0.011	0.009	-11.95	29.44	
T-56	4/2/2013 10:10	22.3	25.7	4.7	47.3	54	53	36	38	-0.6	-0.5	0.312	0.334	-17.76	29.66
	4/9/2013 9:38	28.6	26.9	3.4	41.1	60	60	41	36	-0.6	-0.6	0.393	0.305	-21.66	29.2
	4/16/2013 9:49	32.3	31.2	1.1	35.4	56	56	28	33	-0.2	-0.5	0.182	0.26	-11.02	29.57
	4/23/2013 10:01	37.7	31.5	1.7	29.1	58	58	32	40	-0.4	-0.3	0.246	0.368	-12.39	29.48
	4/29/2013 9:36	40.4	33	0.8	25.8	62	62	33	28	-0.2	-0.4	0.252	0.188	-12.52	29.39

ATTACHMENT F-2

MAXIMUM TEMPERATURE SPREADSHEET

Wellfield Temperature - Bridgeton Landfill

Well Name	Maximum Initial Temperature °F			
	Jan	Feb	Mar	Apr
GEW-01	105	89	70	75
GEW-02	130	127	125	129
GEW-03	115	113	112	123
GEW-04	120	120	102	119
GEW-05	105	102	102	102
GEW-06	90	92	92	91
GEW-07	110	108	108	109
GEW-08	123	123	123	122
GEW-09	100	102	99	100
GEW-10	110	115	115	108
GEW-11	160	170	170	170
GEW-12A	115	88	102	170
GEW-13	110	110	120	154
GEW-14A	122	182	128	122
GEW-15	122	138	144	140
GEW-16R	130	146	150	148
GEW-17R	142	140	154	170
GEW-18B	138	140	142	142
GEW-18R	135	136	125	122
GEW-19A	156	138	44	88
GEW-20A	70	68	40	90
GEW-21A	150	150	148	140
GEW-22R	128	118	118	122
GEW-23A	122	124	122	120
GEW-24A	135	132	134	126
GEW-25A	136	138	134	140
GEW-26R	186	194	180	180
GEW-27A	142	150	140	142
GEW-28R	134	136	126	124
GEW-29	130	140	130	128
GEW-30R	168	172	168	164
GEW-31R	122	45	45	64
GEW-32R	200	195	190	190
GEW-33R	200	200	198	194
GEW-34	90	80	65	80
GEW-35	190	192	190	188
GEW-36	170	180	178	168
GEW-37	140	162	170	180
GEW-38	130	130	120	126
GEW-39	115	120	112	118

Wellfield Temperature - Bridgeton Landfill

Well Name	Maximum Initial Temperature °F			
	Jan	Feb	Mar	Apr
GEW-40	90	92	94	95
GEW-41R	110	107	108	109
GEW-42R	98	105	95	89
GEW-43R	132	136	125	107
GEW-44	110	104	97	107
GEW-45R	102	98	95	97
GEW-46R	98	95	101	97
GEW-47R	120	114	116	108
GEW-48	108	108	107	107
GEW-49	100	105	104	98
GEW-50	115	115	108	109
GEW-51	120	123	120	121
GEW-52	100	116	107	103
GEW-53	128	130	127	124
GEW-54	148	140	127	126
GEW-55	120	121	120	124
GEW-56R	125	127	122	108
GEW-57B	182	188	174	172
GEW-57R	180	185	182	182
GEW-58	180	180	178	164
GEW-59R	180	172	180	164
GEW-60R	195	196	196	190
GEW-62R	180	178	146	165
GEW-63	175	190	190	196
GEW-64	192	192	190	188
GEW-65A	185	184	--	--
GEW-66	195	196	198	190
GEW-68	128	130	130	124
GEW-69R	195	190	--	--
GEW-70R	190	198	194	194
GEW-71	155	168	170	164
GEW-72R	190	--	--	--
GEW-73R	130	138	132	130
GEW-74	195	198	196	--
GEW-75	55	--	--	--
GEW-76R	188	196	200	--
GEW-77	140	140	137	132
GEW-78R	140	140	132	132
GEW-79R	--	--	--	--
GEW-80	120	124	120	125

Wellfield Temperature - Bridgeton Landfill

Well Name	Maximum Initial Temperature °F			
	Jan	Feb	Mar	Apr
GEW-81	140	132	126	126
GEW-82R	135	160	180	178
GEW-83	100	102	100	98
GEW-84	115	120	120	110
GEW-85	150	156	154	160
GEW-90	188	192	192	186
GEW-91	158	156	170	182
GEW-106	125	50	120	136
GEW-109	130	128	115	90
GEW-110	--	--	60	78
GEW-111	--	142	--	--
GIW-01	--	161	159	172
GIW-02	--	154	137	160
GIW-03	--	140	134	150
GIW-04	--	158	157	160
GIW-05	--	187	185	172
GIW-06	--	121	134	166
GIW-07	--	--	--	140
GIW-08	--	--	60	105
GIW-09	--	124	190	145
GIW-10	--	--	167	178
GIW-11	--	--	70	138
GIW-12	--	107	120	136
GIW-13	--	120	70	110
LCS-1D	80	92	70	46
LCS-2D	100	93	95	98
LCS-3C	121	105	115	118
LCS-4B	180	188	--	--
LCS-5A	105	98	60	99
LCS-6B	72	78	80	109
PEW60	62	58	56	72
T-56	58	54	53	62

-- = Indicates no data available.

ATTACHMENT F-3

LAB ANALYSES SPREADSHEET

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide
		(%)					
GEW-10	1/23/2013	36	52	1	8.6	2	340
	2/13/2013	38	38	4	20	ND	42
	3/5/2013	30	55	2	10	0	390
	4/22/2013	30	41	ND	28	ND	60
GEW-11	1/23/2013	12	64	1	4.7	18	2,600
	2/13/2013	9.2	62	1	8.7	18	2,600
	3/5/2013	7.1	57	3	13	19	2,500
	4/22/2013	7.7	61	ND	5.3	24	2,500
GEW-12A	1/23/2013	0.28	60	2	7	30	5,300
	2/13/2013	0.3	59	2	9	28	4,100
	3/5/2013	0.2	47	6	22	24	3,400
	4/22/2013	0.38	60	2	6	29	3,400
GEW-13	1/23/2013	0.19	75	1	3	20	6,000
	2/13/2013	0.2	77	1	2	18	4,800
	3/6/2013	0.2	46	9	33	11	3,200
	4/22/2013	0.23	76	ND	5	14	5,300
GEW-14A	1/25/2013	9.7	68	1	4	17	3,300
	2/13/2013	9.1	71	1	2	16	2,600
	3/6/2013	9.5	70	0	0	17	2,600
	4/22/2013	18	69	ND	ND	8.1	960
GEW-15	1/25/2013	6	64	3	11	16	2,800
	2/13/2013	3.7	69	1	2.1	24	3,400
	3/6/2013	2.5	67	0	0	27	3,800
	4/22/2013	2.7	67	ND	ND	25	3,700
GEW-16R	1/25/2013	3.1	68	1	3.1	24	5,000
	2/13/2013	1.8	70	1	2	24	4,300
	3/6/2013	1.8	69	0	0	26	4,600
GEW-17R	1/25/2013	8.1	69	1	4.3	16	4,300
	2/12/2013	9.5	71	1	2.5	16	3,500
	3/6/2013	6.1	70	0	0	19	4,100
	4/25/2013	0.19	37	10	38	13	3,000
GEW-18B	2/12/2013	2.7	73	1	2.3	21	4,400
	3/6/2013	3.7	69	0	0	23	4,300
	4/25/2013	0.13	68	2	7.6	20	6,400
GEW-18R	2/12/2013	6.5	71	1	4.9	16	3,500
	3/6/2013	7.3	46	8	28	11	1,800
GEW-19A	2/12/2013	1.1	74	1	4.5	19	5,100
	3/6/2013	1.4	71	0	3.7	21	4,500
	4/25/2013	1.1	76	ND	ND	19	3,900
GEW-20A	2/12/2013	17	41	9	33	ND	200
	3/6/2013	6.7	21	16	57	ND	170
	4/25/2013	4.3	36	12	43	3.7	920
GEW-21A	2/12/2013	1.9	68	2	8.8	18	4,300
	3/6/2013	1.9	67	2	6.6	21	3,900
	4/25/2013	1.5	68	ND	5.2	23	4,800

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide
		(%)					
GEW-22R	2/12/2013	14	76	1	2	7.6	1,500
	3/6/2013	13	73	0	4	8.3	1,700
	4/25/2013	5.9	53	7	25	8.8	1,600
GEW-23A	2/12/2013	25	65	1	3.2	6.6	840
	3/6/2013	23	65	0	3.9	6.9	890
	4/25/2013	16	70	ND	ND	10	1,500
GEW-24A	2/12/2013	20	66	1	2.8	10	1,300
	3/6/2013	17	56	4	13	9.5	1,300
	4/25/2013	11	40	9	33	7.5	900
GEW-25A	2/12/2013	10	71	1	3.1	15	1,800
	3/6/2013	8.1	50	7	24	11	1,400
	4/25/2013	12	66	ND	4.4	15	1,800
GEW-26R	2/12/2013	0.5	65	3	12	19	3,400
	3/6/2013	0.5	70	1	5	22	4,100
	4/25/2013	0.49	74	ND	ND	22	4,300
GEW-27A	2/12/2013	23	62	1	2.9	10	1,200
	3/6/2013	21	63	0	0	12	1,500
	4/25/2013	19	64	ND	ND	13	1,500
GEW-28R	2/12/2013	16	55	4	16	8.6	980
	3/6/2013	13	46	7	25	8.3	960
	4/25/2013	20	65	ND	ND	13	1,200
GEW-29	1/22/2013	15	65	1	3.4	15	1,800
	2/12/2013	11	68	1	2.9	16	2,000
	3/5/2013	9.5	68	0	0	20	2,200
	4/22/2013	7.4	68	ND	ND	22	2,300
GEW-30R	1/22/2013	16	58	2	7.1	16	2,600
	2/12/2013	16	64	1	2.9	16	2,300
	3/5/2013	12	66	0	0	19	2,700
	4/22/2013	25	60	ND	ND	12	1,700
GEW-31R	1/22/2013	0.55	67	1	3.2	28	5,600
	2/12/2013	0.6	67	2	6.1	24	5,100
	3/5/2013	0.4	68	0	0	27	5,000
GEW-32R	1/23/2013	1.1	60	1.2	4	32	4,700
	2/12/2013	0.9	55	3.4	13	27	3,700
	3/5/2013	1	62	0	0	33	4,100
GEW-33R	1/23/2013	0.34	43	7	25	24	4,300
	2/12/2013	0.2	62	1	2.6	33	5,200
	3/5/2013	0.3	60	0	0	36	5,400
	4/22/2013	0.67	57	ND	ND	35	4,400
GEW-34	1/23/2013	2.5	63	1	3.2	30	2,500
	2/12/2013	1.4	63	1	3.2	31	2,100
	3/5/2013	2.7	61	0	4	30	2,500
	4/22/2013	1.2	8.7	19	68	ND	210
GEW-35	12/4/2012	0.32	66	1	3.8	28	5,400
	1/23/2013	0.3	66	2	5.4	26	5,500
	2/12/2013	0.28	69	1	3	25	4,600
	4/22/2013	0.31	38	8	29	23	2,200
GEW-36	1/23/2013	1	61	1	3.2	33	3,900
	2/12/2013	0.32	52	4	15	28	2,900
	3/5/2013	0.7	61	0	0	34	3,300
	4/22/2013	0.14	38	8	30	22	1,900

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide
GEW-37	1/23/2013	15	52	2	19	12	2,000
	2/12/2013	15	64	1	6	13	1,900
	3/5/2013	0.2	66	0	4	28	4,700
	4/22/2013	0.15	45	6	21	26	2,600
GEW-38	1/23/2013	4.3	64	1	3.9	26	3,200
	2/12/2013	5	66	1	2.6	25	2,100
	3/5/2013	6.7	63	2	6.5	22	1,600
	4/22/2013	5.6	63	ND	ND	27	1,800
GEW-39	1/23/2013	35	62	1	2.7	ND	98
	2/12/2013	35	60	1	2.6	1	170
	3/5/2013	43	53	0	0	ND	100
	4/22/2013	40	52	ND	5.5	ND	140
GEW-56R	1/23/2013	15	58	1	21	4	420
	2/12/2013	25	48	1	23	3	200
	3/5/2013	21	57	0	18	ND	270
	4/22/2013	21	45	ND	31	ND	140
GEW-57B	2/12/2013	0.19	57	3	9	30	3,900
	3/5/2013	0.2	60	0	5	32	4,300
	4/22/2013	0.2	57	2	8	30	3,600
GEW-57R	1/23/2013	3.6	48	6	20	23	3,000
	2/12/2013	3.8	63	1	2.8	28	3,000
	3/5/2013	3.7	62	0	0	30	2,900
	4/22/2013	1.7	59	ND	4.6	31	2,900
GEW-58	1/23/2013	1.7	55	2	7.7	32	3,300
	2/12/2013	1.2	53	3	12	29	2,500
	3/5/2013	1.3	60	0	0	34	2,900
GEW-59R	1/23/2013	12	47	1	29	11	1,700
	2/12/2013	14	50	1	23	11	1,400
	3/5/2013	17	64	0	4	13	1,400
	4/22/2013	18	60	ND	7.3	14	1,000
GEW-60R	1/24/2013	0.37	60	2	6.6	30	5,500
	2/12/2013	0.31	59	2	8.4	28	4,100
	3/5/2013	0.4	59	2	6.9	30	4,200
	4/22/2013	0.39	55	3	10	30	3,300
GEW-62R	1/24/2013	6.3	53	2.8	13	24	2,200
	2/12/2013	6.8	54	2.7	12	23	1,500
	3/6/2013	6.1	45	5.8	22	20	1,300
	4/22/2013	4.6	43	5.9	21	23	1,700
GEW-63	1/23/2013	0.27	69	1	4.3	24	6,500
	2/13/2013	0.19	71	1	3.3	23	5,400
	3/5/2013	0.3	70	0	0	26	6,100
GEW-64	12/5/2012	0.31	61	2	5	31	5,500
	1/24/2013	0.31	63	1	4	31	5,600
	2/12/2013	0.22	65	1	2	30	4,800
	4/22/2013	0.25	48	6	22	22	3,600

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide
		(%)					
GEW-65A	11/7/2012	0.19	57	3	9.3	30	5,600
	12/5/2012	0.4	60	1	4.8	32	6,400
	1/24/2013	0.32	62	1	5	30	6,700
	2/12/2013	0.27	62	2	7	27	5,000
GEW-66	1/24/2013	0.45	66	1	2.8	29	7,600
	2/12/2013	0.24	67	1	2.2	28	5,900
	3/6/2013	0.3	61	2	8.4	27	5,800
	4/22/2013	0.26	57	2	8.5	28	4,900
GEW-68	1/24/2013	5.1	65	1	2.6	26	3,200
	2/12/2013	4.6	67	1	2.9	24	2,500
	3/5/2013	4.5	67	0	0	25	2,700
	4/22/2013	2.1	64	ND	ND	30	3,400
GEW-69R	11/6/2012	1.4	67	1	4	24	6,300
	12/6/2012	8.3	65	1	5	20	4,900
	1/24/2013	7.6	68	1	3	19	5,400
	2/13/2013	2.2	68	2	6	20	5,100
GEW-70R	1/24/2013	0.19	64	1	5	29	6,500
	2/12/2013	0.15	67	1	2.1	28	5,500
	3/5/2013	0.2	66	0	0	30	6,100
GEW-71	1/24/2013	4.3	64	2	7.6	21	4,500
	2/12/2013	3.7	66	2	6	21	3,900
	3/6/2013	3.9	66	0	5.2	23	4,200
	4/22/2013	1.7	43	9	33	12	2,800
GEW-72R	11/1/2012	1.7	68	1	4.5	24	6,900
	12/5/2012	0.51	70	1	3.2	23	8,900
	1/22/2013	20	60	1	5.8	13	1,800
GEW-73R	12/4/2012	13	52	4	16	15	1,900
	2/12/2013	13	67	1	2.8	16	2,300
	3/5/2013	8.3	68	0	0	21	2,700
	4/22/2013	6.6	64	ND	5.4	22	2,700
GEW-74	1/24/2013	0.35	67	1	3	28	8,000
	2/12/2013	0.24	66	1	4	26	6,100
	3/5/2013	0.3	66	0	0	28	6,400
GEW-75	11/1/2012	0.26	66	1	4	27	7,300
	1/24/2013	0.23	47	7	26	18	4,200
GEW-76R	1/24/2013	0.28	59	4	16	19	6,900
	2/13/2013	0.2	71	1	2.3	23	6,700
	3/5/2013	0.2	69	0	0	25	6,500
GEW 77	3/6/2013	6.4	68	0	0	23	3,100
	4/25/2013	4.9	67	ND	ND	25	3,100
GEW-78R	3/6/2013	3.9	63	0	4.5	26	3,800
	4/25/2013	2.3	65	ND	ND	29	4,000
GEW-79R	11/1/2012	0.56	73	1	3	22	8,000
	12/5/2012	2.1	70	1	2.7	23	6,700
GEW 80	3/6/2013	10	74	0	0	13	2,100
	4/25/2013	8.1	71	ND	ND	17	2,300
GEW 81	3/6/2013	9.7	73	0	3.7	12	2,000
	4/25/2013	7.7	74	ND	ND	16	1,900

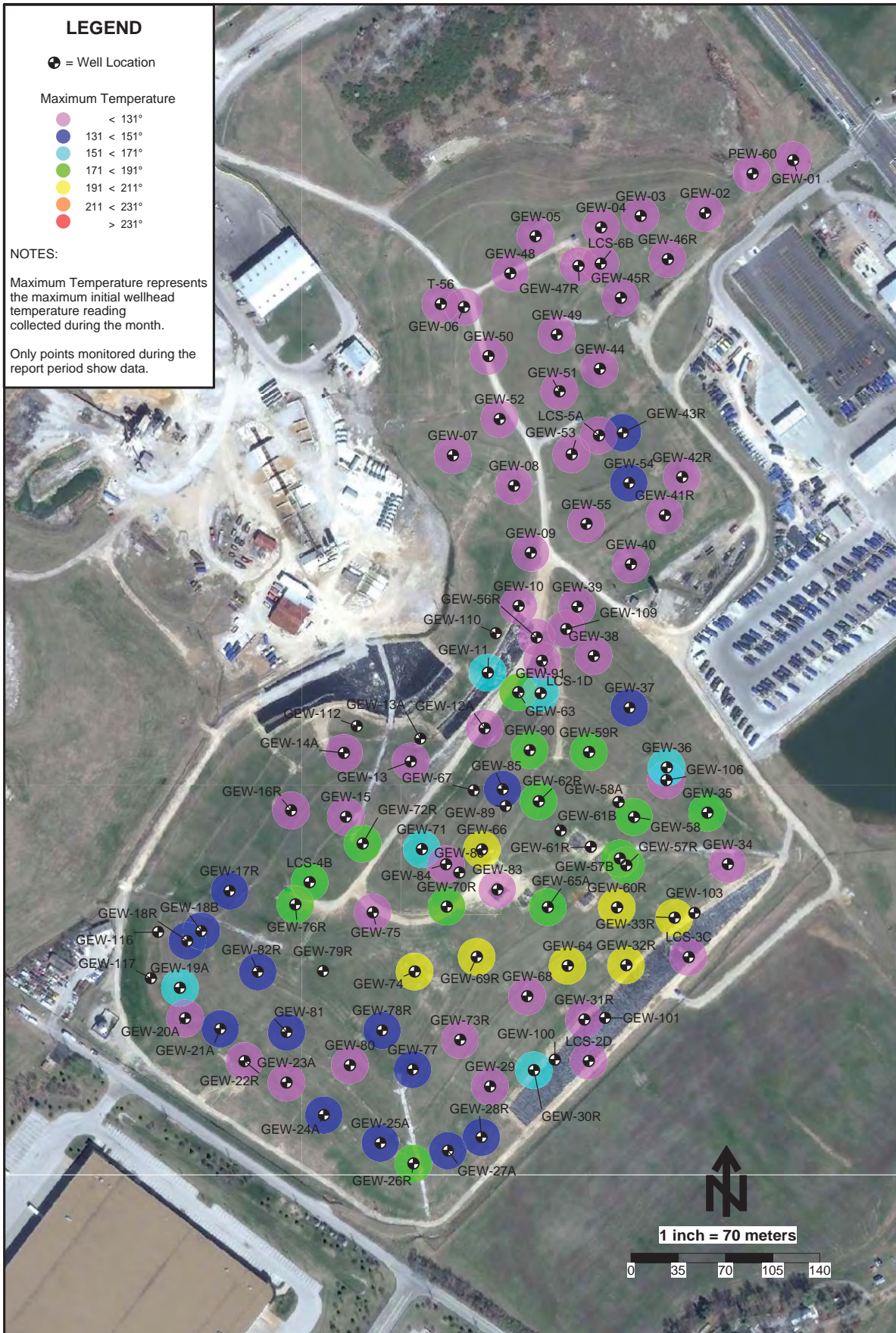
Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide
		(%)					(ppm)
GEW-82R	1/24/2013	5	72	1	2.3	19	3,400
	2/12/2013	4.3	73	1	2.4	20	2,900
	3/6/2013	2.1	57	5	16	20	2,900
	4/25/2013	1.9	68	ND	ND	26	3,500
GEW-83	1/24/2013	20	46	2	30	1	170
	2/12/2013	23	54	2	20	ND	170
	3/6/2013	26	60	0	11	ND	230
	4/22/2013	24	58	ND	13	ND	300
GEW-84	1/24/2013	8.5	66	0.77	2.8	21	2,400
	2/12/2013	5.2	68	0.87	3.2	22	2,200
	3/6/2013	5.5	66	0	3.7	23	2,000
	4/22/2013	14	72	ND	3.4	8	400
GEW-85	1/23/2013	12	60	0.89	7.3	19	2,500
	2/12/2013	10	63	1.4	6.2	18	2,300
	3/6/2013	14	65	0	ND	17	1,500
	4/22/2013	16	57	2.6	12	11	850
GEW-90	11/7/2012	0.3	56	3.1	11	28	5,800
	2/12/2013	4.8	53	1.8	15	25	2,800
	3/5/2013	7.1	57	0	6.1	27	3,000
	4/22/2013	2.7	51	2.7	14	28	2,700
GEW-91	2/12/2013	0.15	72	0.61	2.2	24	5,800
	3/5/2013	0.1	70	0	ND	25	3,100
	4/22/2013	0.21	71	ND	ND	24	5,500
GEW-106	2/12/2013	7	26	13	50	2.4	480
	3/5/2013	10	37	10	38	4.2	710
	4/22/2013	0.19	69	ND	ND	25	4,900
GEW-109	2/12/2013	4.4	62	0.67	2.4	30	2,800
	3/5/2013	12	62	0	14	12	1,300
	4/22/2013	11	47	2.3	30	9.5	1,200
GEW-110	4/22/2013	8.8	62	ND	8.8	19	940
GEW-111	2/13/2013	7.9	37	5.5	43	5.7	980
LCS-1D	2/12/2013	57	30	2.7	10	ND	52
	3/6/2013	66	31	0	0	ND	0
LCS-2D	2/12/2013	47	39	3	11	ND	21
	4/22/2013	52	45	ND	ND	ND	ND
LCS-3C	1/23/2013	18	66	1.4	4.8	8.7	1,900
	2/12/2013	17	70	0.97	3.5	8.1	1,600
	3/5/2013	16	69	0	4.6	8.7	1,800
	4/25/2013	2.6	13	17	65	nd	380
LCS-4B	12/5/2012	0.2	64	4.3	15	15	7,600
	2/13/2013	0.11	31	13	47	8.2	3,500
INLET	2/12/2013	11	51	4.9	21	11	1,900
	3/5/2013	12	55	3.9	17	13	2,100
	4/25/2013	8	32	11	40	8.1	1,200

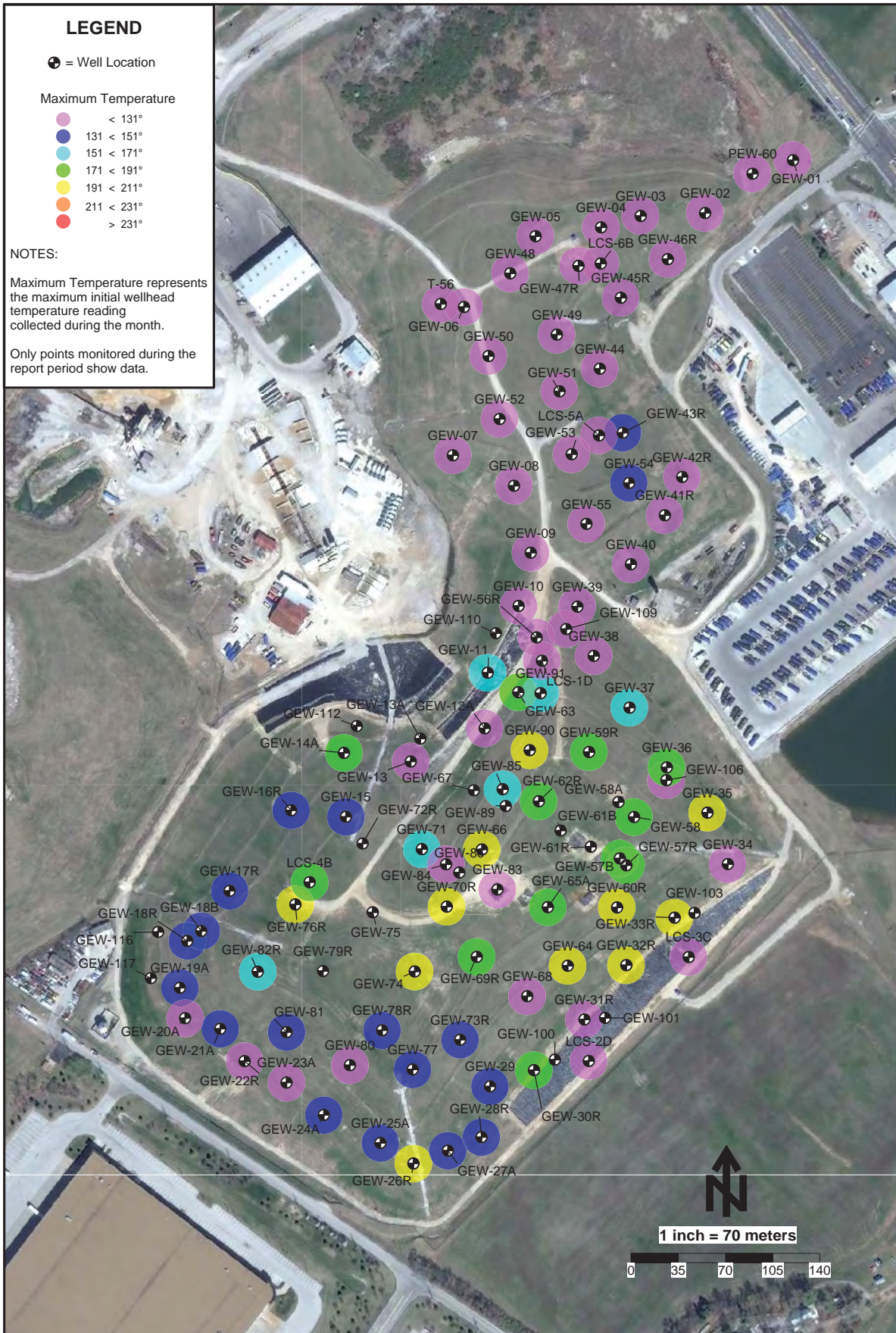
ND = Analyte not detected in sample.

ATTACHMENT G

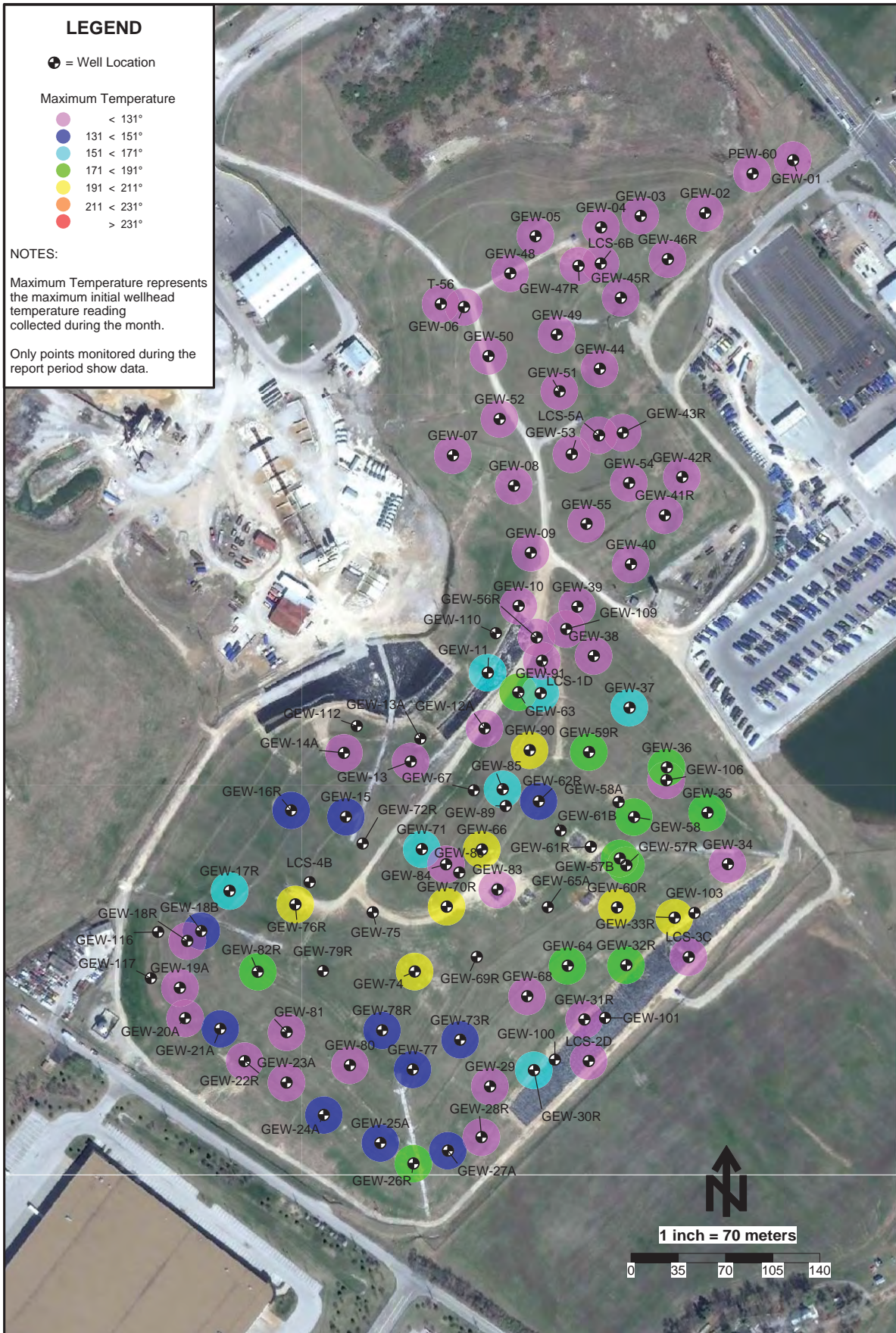
WELLHEAD TEMPERATURE MAPS



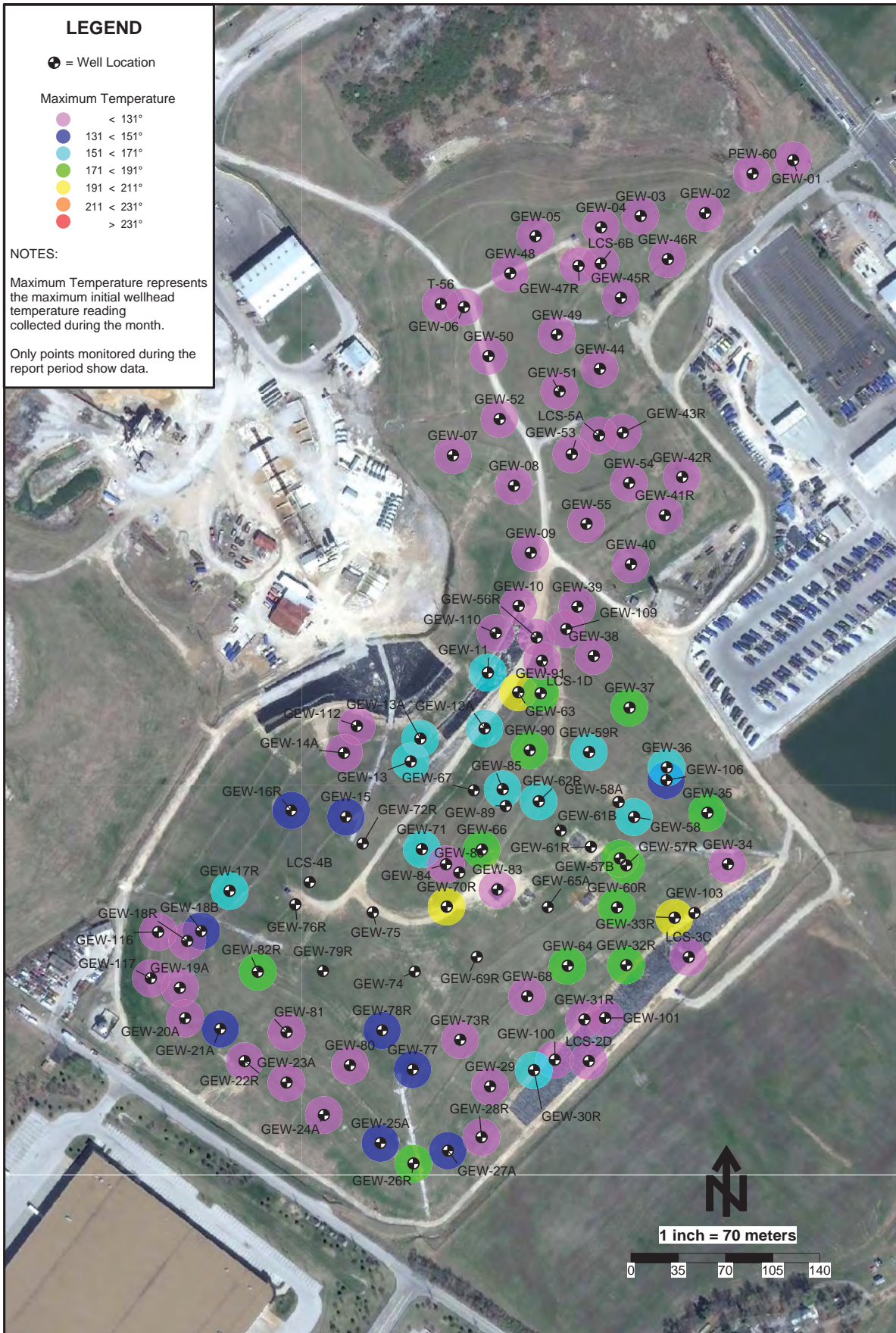
Initial Temperature Maximums - January 2013 - Bridgeton Landfill



Initial Temperature Maximums - February 2013 - Bridgeton Landfill



Initial Temperature Maximums - March 2013 - Bridgeton Landfill



Initial Temperature Maximums - April 2013 - Bridgeton Landfill

ATTACHMENT H

SUMMARY OF ODOR COMPLAINTS

April 1, 2013 – April 6, 2013

Voicemails

Resident: Thelma Norris

Voicemail: Ms. Norris asked for a return call.

Follow-Up: Ms. Norris said that she placed a call to Allied Waste, her trash removal company, and was told that Allied is owned by Republic Services. We explained that Republic Services did merge with Allied Waste, and the name “Allied Waste” is still used in some regions because that is what is familiar to residents. Republic has been very transparent about this, and information about the merge is available on the Republic website. She also asked why Republic would purchase the Bridgeton Landfill if it is closed. We answered that Allied Waste bought the Bridgeton Landfill from its previous owners several years before the landfill stopped accepting trash. When the two companies merged, Bridgeton Landfill, now a transfer station came under Republic’s ownership.

Complaints forwarded by MDNR

Resident: Andrea Crouch

Message: Ms. Crouch was concerned about the odors coming from the Bridgeton Landfill and contamination at the Westlake Landfill. After giving her a general overview of both sites and the current status of each, MDNR told her that Republic Services would be contacting her.

Follow-up: We reached Ms. Crouch’s voicemail and left a message letting her know that We were forwarded a copy of her email to the MDNR and wanted to touch base with her about any questions she may have and update her about the work we are doing at the Bridgeton Landfill to correct the odor issues. We left the 314 number for her to call.

Resident: Barb Corne

Message: Ms. Corne said the odors have been prevalent for over 10 years and that there is no excuse for it. She said that the quality of the air is important to her, and if the odor problem is not resolved by June, she will be writing to her elected officials to alert them about the problem.

Follow-up: When we reached Ms. Corne she expressed opposition to the lengthy process and what she feels should have been resolved long ago. We apologized that she has been affected by the odors and asked if she was aware of the work that we are doing to install 40 new wells to work alongside the 160 wells already on site, and that in the coming months she should notice a drastic decrease in the intensity of the odors. She said that we're just masking the

problem and that it shouldn't smell at all. We repeated the above and thanked her before ending the call.

Emails

Resident: Courtney Smith

Resident email: Good afternoon Mrs. Sara Parker Pauley. My name is Courtney Smith. I am a PH.D. student from St. Louis County Missouri. Mrs. Pauley I am writing you today due to me taking a job over the holidays of 2012 with a corporation by the name of Macey's Inc. which is conveniently located in an adjoined lot with the Trash Company IESI, right off 270 & ST. Charles Rock Road. Mrs. Pauley the issues that are being experienced on the outside of the Macey's Inc. building is also being experienced inside the building as well. The smell literally permeates the inside of the building so bad that it was coming out my pores and clothes after leaving work each day. Mrs. Pauley it also caused health issues to surface, such as bloated stomach, diarrhea, migraines, skin issues, and burning eyes, and after leaving more than 6 months ago I'm still left with many of the issues listed, which is why I am praying that this letter reaches you, and if you need to contact me you can do so by emailing me at smtcourtn@aol.com.

Follow-up: The Missouri Department of Natural Resources (MDNR) forwarded your email to Mrs. Pauley from Monday, April 1, 2013. Thank you for your feedback. First, we want to apologize for the odor. We understand there is a problem and we are working diligently to address the issue. Second, we want to you to know we are committed to ensuring that our employees and neighbors have clean air to breathe. We are working closely with the MDNR to ensure the air at and around the landfill is safe. To date, all air quality tests have shown that the air remains safe. And third, we'd like to provide you with as much information as we can about the ways we are working to reduce the odor. We are currently upgrading the system used to collect and manage the gas which causes the unpleasant odor. Right now, we are in the process of adding 40 new wells to work along with the 160 wells already on site. Much like a vacuum, these wells remove the gas from within the landfill. These gases are then transported to a newly-upgraded processing facility located on site that destroys the odor-causing gas. After the wells are install, we will put a large, durable cap over the landfill that will trap additional gas so that is can be managed by the upgraded systems. Again, we do apologize for the odor, but we do expect in the coming months we will be able to drastically reduce the intensity of the odor.

April 7, 2013 – April 13, 2013

Voicemails

Resident: Ashley McNolte

Voicemail: Ms. McNolte said she lives in Maryland Heights, several miles away, and while playing outside with her daughter, could smell the landfill odors today. She said the situation is unacceptable, and if it isn't resolved, she will call her federal representative.

Follow-up: We phoned Ms. Nolte back and reached her voicemail, leaving an apology that her family noticed the odor today, an explanation of what we are doing to correct the issue (40 new wells, flexible cap, upgraded onsite processing system), an update that well installation should be finished in the next week or two, and information on the website along with our 314 number.

Complaints forwarded by MDNR

Resident: Ann Yeoman

Message: Ms. Yeoman submitted a comment to MDNR expressing concern about a worsening of the odors coming from the Bridgeton Landfill. MDNR left her a voicemail providing her with links to the Department and Republic Services websites. She was also informed that Republic Services would be contacting her.

Follow-up: We reached the voicemail for Ann Yeoman and left a detailed message apologizing for the strong odors she has been noticing and explained the work we are doing to correct the problem. Her machine cut the call off before we could leave our contact info so we placed a second call to leave our website and 314 numbers on her machine.

Resident: Abbey Lemons

Message: Abbey submitted a comment to MDNR saying that the odors coming from the Bridgeton Landfill continue to worsen. She wrote that she would not be surprised if commerce in Bridgeton declines because the odors will dissuade people from visiting. She is frustrated because she believes nothing is being done to remedy the problem.

Follow-up: We reached Ms. Lemons, apologized for the intensity of the odors and explained why some days are noticeably worse than others because of the installation of 40 new wells. More detail was provided about what we are doing, and we let her know that the well installation should be completed in the next week or two, and then we would cover the landfill with a large, flexible and durable cap so that the upgraded processing system on site will better capture and destroy any remaining odors. Additionally, we let her know that odor intensity should dramatically improve in the next couple of months.

Resident: Matt Biegacki

Message: Mr. Biegacki submitted a comment to MDNR to alert them that he and other business owners are seeing business decline because of the failure to resolve the odors coming from the Bridgeton Landfill. He wrote that the smell also causes headaches and produces a

debilitating work environment for employees and guests to the city. After leaving Mr. Biegacki a voicemail, an MDNR representative emailed him links to the Department and Republic Services websites. He was informed that Republic Services would be contacting him.

Follow-up: We reached the voicemail of Matt Biegacki and left our contact information as well as detail about what we are doing to correct the odor issue, noting that the well installation should be completed in the next week, and within a couple of months, he should notice dramatic improvement in the odor intensity.

April 14, 2013 – April 20, 2013

Voicemails

Resident: Frank Bruno

Voicemail: Mr. Bruno called to ask about Bridgeton Landfill hours of operation.

Follow-up: Mr. Bruno stated that he wanted to drop off waste that he cleaned up from the tornado. We explained that Bridgeton Landfill has not accepted waste since 2004.

Resident: Glenn Nevins

Voicemail: Mr. Nevins asked for a return call.

Follow-up: We reached Mr. Nevins' voicemail and left a message that we were returning his call and left him the local 314 number to call back.

Resident: Leeann Starr

Voicemail: Ms. Starr left a message asking for more information about the new air monitoring equipment and work being done now on the leachate collection system that she heard about on the news this morning.

Follow-up: We reached Ms. Starr, and with respect to the air monitoring equipment, suggested she contact the MDNR directly and that, while we cooperate with them fully, the DNR is conducting the air quality testing. Ms. Starr said that she has already left a message for them and did not need the information to access their website. We explained that the additional 40 well installation was completed last week, and she asked specifically how the wells will work to capture the gasses and leachate then transport it to the upgraded, onsite processing system. She also asked about the soon to be started concrete work, whether or not it will replace something and what part it plays in the odor correction work. She mentioned having been in prior contact with Dave Vasbinder and that he also has her email address.

Complaints received from MDNR

Resident: Ladonna Neustadt

Message: Ms. Neustadt emailed MDNR complaining about headaches and nausea, wondering if she is being made sick by the odors.

Follow-up: We called, reached Ms. Neustadt's voicemail and left a detailed message about what we are doing to install 40 new wells (finishing up last week) and that we will place a durable cap over the entire landfill which will help the upgraded, on site processing system destroy the odor causing gas. We advised that she would notice a drastic decrease in odors in the next couple of months, apologized for the current odors, and provided her with the website address along with the 314 number.

Emails

Resident: Melissa Davis

Resident email: West Lake landfill smells completely horrible. Smell started around 6:45 tonight and keeps getting worse. I can smell it in Maryland Heights now.

Response: The Missouri Department of Natural Resources (MDNR) forwarded your email from yesterday, April 15, 2013. Thank you for your feedback. First, we want to apologize for the odor. We understand there is a problem and we are working diligently to address the issue. Second, we want you to know we are committed to ensuring that our employees and neighbors have clean air to breathe. We are working closely with the MDNR to ensure the air at and around the landfill is safe. To date, all air quality tests have shown that the air remains safe. And third, we'd like to provide you with as much information as we can about the ways we are working to reduce the odor. We are currently upgrading the system used to collect and manage the gas which causes the unpleasant odor. Last week, we completed the process of adding 40 new wells to work along with the 160 wells already on site. Much like a vacuum, these wells remove the gas from within the landfill. These gases are then transported to a newly-upgraded processing facility located on site that destroys the odor-causing gas. As part of our next steps, we are removing old concrete pipes, which unfortunately will make the odor temporarily worse. We will then put a large, durable cap over the landfill that will trap additional gas so that it can be managed by the upgraded systems. Again, we do apologize for the odor, but we do expect in the coming months we will be able to drastically reduce the intensity of the odor.

April 28, 2013 – April 30, 2013

Voicemails

Resident: Mike McGallin

Voicemail: Mr. McGallin left a message asking about reaching the people doing the work at the Bridgeton Landfill from a supplier perspective.

Follow-up: We reached Mr. McGallin provided him with the Bridgeton Landfill address and suggested that he send information and a request directly to our office.

Resident: JD Baldwin

Voicemail: Unrelated to the work being done at the Bridgeton Landfill, Mr. Baldwin called to ask that someone pick up his garbage, and this was the only phone number he had.

Follow-up: We reached Mr. Baldwin's answering machine and let him know that the customer support team at 636-947-5959 might be able to assist him.

ATTACHMENT I

LIQUID CHARACTERIZATION DATA



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: Sean Torrey

Date Received: 04/01/13 15:06
Report Date: 04/15/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3040075-01**
Sample Description: **Treated Condensate TCLP**

Collect Date: **03/29/13 17:15**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
General Chemistry - PIA					
Total Organic Carbon (TOC)	17000 mg/L		04/11/13 16:23	Igtas	5310C KS,IL,IA,WI,AR
Herbicides- TCLP - PIA					
2,4-D	< 0.1 mg/L		04/05/13 02:02	ELS	SW 8151A IL,KS,IA
Silvex	< 0.05 mg/L		04/05/13 02:02	ELS	SW 8151A IL,KS,IA
Pesticides-TCLP - PIA					
Chlordane (technical)	< 0.010 mg/L		04/05/13 03:00	JMT	SW 8081A IA,IL,KS
Endrin	< 0.0005 mg/L		04/05/13 03:00	JMT	SW 8081A IA,IL,KS
gamma-BHC (Lindane)	< 0.0005 mg/L		04/05/13 03:00	JMT	SW 8081A IA,IL,KS
Heptachlor	< 0.0005 mg/L		04/05/13 03:00	JMT	SW 8081A IA,IL,KS
Heptachlor epoxide	< 0.0005 mg/L		04/05/13 03:00	JMT	SW 8081A IA,IL,KS
Methoxychlor	< 0.002 mg/L		04/05/13 03:00	JMT	SW 8081A IA,IL,KS
Toxaphene	< 0.010 mg/L		04/05/13 03:00	JMT	SW 8081A IA,IL,KS
Semivolatile Organics-TCLP - STL					
2,4,5-Trichlorophenol	< 100 ug/L		04/05/13 19:26	CAP	SW 8270C 04KS
2,4,6-Trichlorophenol	< 100 ug/L		04/05/13 19:26	CAP	SW 8270C 04KS
2,4-Dinitrotoluene	< 100 ug/L		04/05/13 19:26	CAP	SW 8270C 04KS
2-Methylphenol	170 ug/L		04/05/13 19:26	CAP	SW 8270C 04KS
3- & 4-Methylphenol	520 ug/L		04/05/13 19:26	CAP	SW 8270C 04KS
Hexachlorobenzene	< 100 ug/L		04/05/13 19:26	CAP	SW 8270C 04KS
Hexachlorobutadiene	< 100 ug/L		04/05/13 19:26	CAP	SW 8270C 04KS
Hexachloroethane	< 100 ug/L		04/05/13 19:26	CAP	SW 8270C 04KS
Nitrobenzene	< 100 ug/L		04/05/13 19:26	CAP	SW 8270C 04KS
Pentachlorophenol	< 100 ug/L		04/05/13 19:26	CAP	SW 8270C 04KS
Pyridine	< 100 ug/L		04/05/13 19:26	CAP	SW 8270C 04KS
Surrogate: 2-Fluorophenol	59 % 28-92		04/05/13 19:26	CAP	SW 8270C
Surrogate: Nitrobenzene-d5	112 % 48-105		04/05/13 19:26	CAP	SW 8270C
Surrogate: 2-Fluorobiphenyl	87 % 41-107		04/05/13 19:26	CAP	SW 8270C
Surrogate: 2,4,6-Tribromophenol	82 % 36-108		04/05/13 19:26	CAP	SW 8270C
Surrogate: p-Terphenyl-d14	79 % 45-117		04/05/13 19:26	CAP	SW 8270C
TCLP - STL					
Final pH	5.0		04/02/13 08:38	MEP	SW 1311*



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/01/13 15:06
Report Date: 04/15/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3040075-01**
Sample Description: **Treated Condensate TCLP**

Collect Date: **03/29/13 17:15**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>TCLP Metals - STL</u>					
Final pH	5.0		04/02/13 08:38	MEP	SW 1311 04KS
Mercury	< 0.0002 mg/L		04/04/13 11:56	WPS	SW 7470A 04KS
Arsenic	< 0.030 mg/L		04/04/13 15:09	WPS	SW 6010B 04KS
Barium	0.17 mg/L		04/04/13 15:09	WPS	SW 6010B 04KS
Cadmium	< 0.0040 mg/L		04/04/13 15:09	WPS	SW 6010B 04KS
Chromium	0.013 mg/L		04/04/13 15:09	WPS	SW 6010B 04KS
Lead	< 0.020 mg/L		04/04/13 15:09	WPS	SW 6010B 04KS
Selenium	0.055 mg/L		04/04/13 15:09	WPS	SW 6010B 04KS
Silver	< 0.0030 mg/L		04/04/13 15:09	WPS	SW 6010B 04KS
<u>Volatile Organics- TCLP - STL</u>					
1,1-Dichloroethene	< 200 ug/L		04/02/13 16:45	BP	SW 8260B*
1,2-Dichloroethane	< 200 ug/L		04/02/13 16:45	BP	SW 8260B*
1,4-Dichlorobenzene	< 200 ug/L		04/02/13 16:45	BP	SW 8260B*
2-Butanone	1800 ug/L	Q1	04/02/13 16:45	BP	SW 8260B*
Benzene	< 200 ug/L		04/02/13 16:45	BP	SW 8260B*
Carbon tetrachloride	< 200 ug/L		04/02/13 16:45	BP	SW 8260B*
Chlorobenzene	< 200 ug/L		04/02/13 16:45	BP	SW 8260B*
Chloroform	< 200 ug/L		04/02/13 16:45	BP	SW 8260B*
Tetrachloroethene	< 200 ug/L		04/02/13 16:45	BP	SW 8260B*
Trichloroethene	< 200 ug/L		04/02/13 16:45	BP	SW 8260B*
Vinyl chloride	< 200 ug/L		04/02/13 16:45	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	107 % 59.4-135		04/02/13 16:45	BP	SW 8260B
Surrogate: Toluene-d8	96 % 77.7-111		04/02/13 16:45	BP	SW 8260B
Surrogate: Bromofluorobenzene	107 % 74-125		04/02/13 16:45	BP	SW 8260B

Sample No: **3040075-02**
Sample Description: **Treated Condensate Voa/Svoc 1**

Collect Date: **03/29/13 17:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Semivolatile Organics - STL</u>					
1,2,4-Trichlorobenzene	< 1000 ug/L	S	04/08/13 12:27	PSB	SW 8270C 04KS
1,2-Dichlorobenzene	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS

3040075



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St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/01/13 15:06
Report Date: 04/15/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3040075-02**
Sample Description: **Treated Condensate Voa/Svoc 1**

Collect Date: **03/29/13 17:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
1,3-Dichlorobenzene	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
1,4-Dichlorobenzene	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
2,4,5-Trichlorophenol	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
2,4,6-Trichlorophenol	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
2,4-Dichlorophenol	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
2,4-Dimethylphenol	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
2,4-Dinitrophenol	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
2,4-Dinitrotoluene	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
2,6-Dimethylaniline	< 500 ug/L		04/08/13 12:27	PSB	SW 8270C*
2,6-Dinitrotoluene	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
2-Chloronaphthalene	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
2-Chlorophenol	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
2-Methylnaphthalene	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
2-Methylphenol	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
2-Nitroaniline	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
2-Nitrophenol	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
3- & 4-Methylphenol	2060 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
3,3'-Dichlorobenzidine	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
3-Nitroaniline	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
4,6-Dinitro-2-methylphenol	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
4-Bromophenylphenyl ether	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
4-Chloro-3-methylphenol	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
4-Chloroaniline	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
4-Chlorophenylphenyl ether	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
4-Nitroaniline	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
4-Nitrophenol	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
Acenaphthene	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
Acenaphthylene	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
Aniline	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
Anthracene	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
Azobenzene	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C*
Benzidine	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C*
Benzo(a)anthracene	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/01/13 15:06
Report Date: 04/15/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3040075-02**
Sample Description: **Treated Condensate Voa/Svoc 1**

Collect Date: **03/29/13 17:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
Benzo(a)pyrene	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
Benzo(b&k)fluoranthene	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
Benzo(b)fluoranthene	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
Benzo(g,h,i)perylene	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
Benzo(k)fluoranthene	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
Benzoic Acid	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C*
Benzyl alcohol	1780 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
Bis(2-chloroethoxy) methane	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
Bis(2-chloroethyl) ether	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
Bis(2-chloroisopropyl) ether	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C*
Bis(2-ethylhexyl) phthalate	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
Butyl benzyl phthalate	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
Carbazole	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C*
Chrysene	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
Dibenzo(a,h)anthracene	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
Dibenzofuran	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
Diethyl phthalate	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
Dimethyl phthalate	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
Di-n-butyl phthalate	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
Di-n-octyl phthalate	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
Diphenylamine	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
Fluoranthene	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
Fluorene	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
Hexachlorobenzene	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
Hexachlorobutadiene	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
Hexachlorocyclopentadiene	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
Hexachloroethane	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
Indeno(1,2,3-cd)pyrene	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
Isophorone	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
Naphthalene	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
Nitrobenzene	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
N-Nitrosodimethylamine	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
N-Nitrosodi-n-propylamine	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/01/13 15:06
Report Date: 04/15/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3040075-02**
Sample Description: **Treated Condensate Voa/Svoc 1**

Collect Date: **03/29/13 17:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Semivolatile Organics - STL</u>					
Pentachlorophenol	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
Phenanthrene	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
Phenol	4700 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
Pyrene	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
Pyridine	< 1000 ug/L		04/08/13 12:27	PSB	SW 8270C 04KS
Surrogate: Nitrobenzene-d5	59 % 22-105	S	04/08/13 12:27	PSB	SW 8270C
Surrogate: 2-Fluorobiphenyl	34 % 30-97	S	04/08/13 12:27	PSB	SW 8270C
Surrogate: p-Terphenyl-d14	33 % 22-115	S	04/08/13 12:27	PSB	SW 8270C
<u>Volatile Organics - STL</u>					
1,1,1,2-Tetrachloroethane	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
1,1,1-Trichloroethane	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
1,1,2,2-Tetrachloroethane	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 100 ug/L		04/03/13 13:44	BP	SW 8260B*
1,1,2-Trichloroethane	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
1,1-Dichloroethane	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
1,1-Dichloroethene	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
1,1-Dichloropropene	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
1,2,3-Trichlorobenzene	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
1,2,3-Trichloropropane	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
1,2,4-Trichlorobenzene	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
1,2,4-Trimethylbenzene	190 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
1,2-Dibromo-3-chloropropane	< 100 ug/L		04/03/13 13:44	BP	SW 8260B*
1,2-Dibromoethane	< 100 ug/L		04/03/13 13:44	BP	SW 8260B*
1,2-Dichloroethene- Total	< 200 ug/L		04/03/13 13:44	BP	SW 8260B*
1,2-Dichlorobenzene	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
1,2-Dichloroethane	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
1,2-Dichloropropane	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
1,3,5-Trimethylbenzene	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
1,3-Dichlorobenzene	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
1,3-Dichloropropane	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
1,3-Dichloropropene - Total	< 200 ug/L		04/03/13 13:44	BP	SW 8260B*
1,4-Dichlorobenzene	190 ug/L		04/03/13 13:44	BP	SW 8260B 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/01/13 15:06
Report Date: 04/15/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3040075-02**
Sample Description: **Treated Condensate Voa/Svoc 1**

Collect Date: **03/29/13 17:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - STL</u>					
1,4-Dioxane	< 500 ug/L		04/03/13 13:44	BP	SW 8260B*
2,2-Dichloropropane	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
2-Butanone	39000 ug/L		04/03/13 11:57	BP	SW 8260B 04KS
2-Chloroethylvinyl ether	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
2-Chlorotoluene	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
2-Hexanone	710 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
2-Nitropropane	< 200 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
4-Chlorotoluene	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
4-Methyl-2-pentanone (MIBK)	450 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
Acetone	130000 ug/L		04/03/13 11:57	BP	SW 8260B 04KS
Acetonitrile	< 500 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
Acrolein	< 500 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
Acrylonitrile	< 200 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
Allyl Chloride	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
Benzene	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
Bromobenzene	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
Bromochloromethane	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
Bromodichloromethane	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
Bromoform	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
Bromomethane	< 200 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
Carbon disulfide	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
Carbon tetrachloride	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
Chlorobenzene	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
Chloroethane	< 200 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
Chloroform	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
Chloromethane	< 200 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
cis-1,2-Dichloroethene	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
cis-1,3-Dichloropropene	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
Dibromochloromethane	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
Dibromomethane	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
Dichlorodifluoromethane	< 200 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
Ethyl methacrylate	< 100 ug/L		04/03/13 13:44	BP	SW 8260B*
Ethylbenzene	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS



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Bridgeton Landfill
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St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/01/13 15:06
Report Date: 04/15/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3040075-02**
Sample Description: **Treated Condensate Voa/Svoc 1**

Collect Date: **03/29/13 17:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
Hexachlorobutadiene	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
Iodomethane	< 200 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
Isobutanol	62000 ug/L		04/03/13 11:57	BP	SW 8260B*
Isopropylbenzene	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
m,p-Xylene	< 200 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
Methacrylonitrile	< 100 ug/L		04/03/13 13:44	BP	SW 8260B*
Methyl methacrylate	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
Methylene chloride	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
MTBE	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
Naphthalene	720 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
n-Butylbenzene	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
n-Propylbenzene	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
o-Xylene	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
p-Isopropyl toluene	800 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
Propionitrile	< 200 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
sec-Butylbenzene	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
Styrene	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
tert-Butylbenzene	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
Tetrachloroethene	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
Toluene	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
trans-1,2-Dichloroethene	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
trans-1,3-Dichloropropene	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
trans-1,4-Dichloro-2-butene	< 100 ug/L		04/03/13 13:44	BP	SW 8260B*
Trichloroethene	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
Trichlorofluoromethane	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
Vinyl acetate	< 200 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
Vinyl chloride	< 100 ug/L		04/03/13 13:44	BP	SW 8260B 04KS
Xylenes- Total	< 300 ug/L		04/03/13 13:44	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	100 % 65-134		04/03/13 13:44	BP	SW 8260B
Surrogate: Bromofluorobenzene	84 % 75.1-125		04/03/13 13:44	BP	SW 8260B
Surrogate: Toluene-d8	92 % 74.2-117		04/03/13 13:44	BP	SW 8260B



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/01/13 15:06
Report Date: 04/15/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3040075-03**

Collect Date: **03/29/13 17:45**

Sample Description: **Treated Condensate Voa/Svoc 2**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
1,2,4-Trichlorobenzene	< 1000 ug/L	S	04/08/13 12:58	PSB	SW 8270C 04KS
1,2-Dichlorobenzene	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
1,3-Dichlorobenzene	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
1,4-Dichlorobenzene	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
2,4,5-Trichlorophenol	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
2,4,6-Trichlorophenol	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
2,4-Dichlorophenol	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
2,4-Dimethylphenol	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
2,4-Dinitrophenol	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
2,4-Dinitrotoluene	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
2,6-Dimethylaniline	< 500 ug/L		04/08/13 12:58	PSB	SW 8270C*
2,6-Dinitrotoluene	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
2-Chloronaphthalene	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
2-Chlorophenol	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
2-Methylnaphthalene	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
2-Methylphenol	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
2-Nitroaniline	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
2-Nitrophenol	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
3- & 4-Methylphenol	2930 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
3,3'-Dichlorobenzidine	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
3-Nitroaniline	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
4,6-Dinitro-2-methylphenol	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
4-Bromophenylphenyl ether	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
4-Chloro-3-methylphenol	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
4-Chloroaniline	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
4-Chlorophenylphenyl ether	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
4-Nitroaniline	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
4-Nitrophenol	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
Acenaphthene	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
Acenaphthylene	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
Aniline	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
Anthracene	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
Azobenzene	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C*



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/01/13 15:06
Report Date: 04/15/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3040075-03**

Collect Date: **03/29/13 17:45**

Sample Description: **Treated Condensate Voa/Svoc 2**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
Benzidine	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C*
Benzo(a)anthracene	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
Benzo(a)pyrene	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
Benzo(b&k)fluoranthene	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
Benzo(b)fluoranthene	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
Benzo(g,h,i)perylene	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
Benzo(k)fluoranthene	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
Benzoic Acid	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C*
Benzyl alcohol	2860 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
Bis(2-chloroethoxy) methane	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
Bis(2-chloroethyl) ether	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
Bis(2-chloroisopropyl) ether	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C*
Bis(2-ethylhexyl) phthalate	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
Butyl benzyl phthalate	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
Carbazole	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C*
Chrysene	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
Dibenzo(a,h)anthracene	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
Dibenzofuran	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
Diethyl phthalate	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
Dimethyl phthalate	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
Di-n-butyl phthalate	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
Di-n-octyl phthalate	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
Diphenylamine	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
Fluoranthene	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
Fluorene	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
Hexachlorobenzene	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
Hexachlorobutadiene	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
Hexachlorocyclopentadiene	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
Hexachloroethane	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
Indeno(1,2,3-cd)pyrene	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
Isophorone	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
Naphthalene	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
Nitrobenzene	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/01/13 15:06
Report Date: 04/15/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3040075-03**
Sample Description: **Treated Condensate Voa/Svoc 2**

Collect Date: **03/29/13 17:45**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
N-Nitrosodimethylamine	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
N-Nitrosodi-n-propylamine	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
Pentachlorophenol	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
Phenanthrene	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
Phenol	7050 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
Pyrene	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
Pyridine	< 1000 ug/L		04/08/13 12:58	PSB	SW 8270C 04KS
Surrogate: Nitrobenzene-d5	72 % 22-105	S	04/08/13 12:58	PSB	SW 8270C
Surrogate: 2-Fluorobiphenyl	51 % 30-97	S	04/08/13 12:58	PSB	SW 8270C
Surrogate: p-Terphenyl-d14	52 % 22-115	S	04/08/13 12:58	PSB	SW 8270C
Volatile Organics - STL					
1,1,1,2-Tetrachloroethane	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
1,1,1-Trichloroethane	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
1,1,2,2-Tetrachloroethane	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 100 ug/L		04/03/13 14:12	BP	SW 8260B*
1,1,2-Trichloroethane	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
1,1-Dichloroethane	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
1,1-Dichloroethene	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
1,1-Dichloropropene	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
1,2,3-Trichlorobenzene	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
1,2,3-Trichloropropane	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
1,2,4-Trichlorobenzene	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
1,2,4-Trimethylbenzene	790 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
1,2-Dibromo-3-chloropropane	< 100 ug/L		04/03/13 14:12	BP	SW 8260B*
1,2-Dibromoethane	< 100 ug/L		04/03/13 14:12	BP	SW 8260B*
1,2-Dichloroethene- Total	< 200 ug/L		04/03/13 14:12	BP	SW 8260B*
1,2-Dichlorobenzene	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
1,2-Dichloroethane	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
1,2-Dichloropropane	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
1,3,5-Trimethylbenzene	160 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
1,3-Dichlorobenzene	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
1,3-Dichloropropane	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/01/13 15:06
Report Date: 04/15/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3040075-03**

Collect Date: **03/29/13 17:45**

Sample Description: **Treated Condensate Voa/Svoc 2**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
1,3-Dichloropropene - Total	< 200 ug/L		04/03/13 14:12	BP	SW 8260B*
1,4-Dichlorobenzene	580 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
1,4-Dioxane	< 500 ug/L		04/03/13 14:12	BP	SW 8260B*
2,2-Dichloropropane	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
2-Butanone	33000 ug/L		04/03/13 12:25	BP	SW 8260B 04KS
2-Chloroethylvinyl ether	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
2-Chlorotoluene	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
2-Hexanone	760 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
2-Nitropropane	< 200 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
4-Chlorotoluene	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
4-Methyl-2-pentanone (MIBK)	500 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
Acetone	120000 ug/L		04/03/13 12:25	BP	SW 8260B 04KS
Acetonitrile	< 500 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
Acrolein	< 500 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
Acrylonitrile	< 200 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
Allyl Chloride	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
Benzene	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
Bromobenzene	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
Bromochloromethane	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
Bromodichloromethane	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
Bromoform	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
Bromomethane	< 200 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
Carbon disulfide	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
Carbon tetrachloride	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
Chlorobenzene	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
Chloroethane	< 200 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
Chloroform	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
Chloromethane	< 200 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
cis-1,2-Dichloroethene	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
cis-1,3-Dichloropropene	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
Dibromochloromethane	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
Dibromomethane	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
Dichlorodifluoromethane	< 200 ug/L		04/03/13 14:12	BP	SW 8260B 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/01/13 15:06
Report Date: 04/15/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3040075-03**

Sample Description: **Treated Condensate Voa/Svoc 2**

Collect Date: **03/29/13 17:45**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
Ethyl methacrylate	< 100 ug/L		04/03/13 14:12	BP	SW 8260B*
Ethylbenzene	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
Hexachlorobutadiene	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
Iodomethane	< 200 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
Isobutanol	56000 ug/L		04/03/13 12:25	BP	SW 8260B*
Isopropylbenzene	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
m,p-Xylene	< 200 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
Methacrylonitrile	< 100 ug/L		04/03/13 14:12	BP	SW 8260B*
Methyl methacrylate	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
Methylene chloride	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
MTBE	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
Naphthalene	1600 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
n-Butylbenzene	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
n-Propylbenzene	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
o-Xylene	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
p-Isopropyl toluene	1300 ug/L		04/03/13 18:11	BP	SW 8260B 04KS
Propionitrile	< 200 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
sec-Butylbenzene	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
Styrene	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
tert-Butylbenzene	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
Tetrachloroethene	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
Toluene	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
trans-1,2-Dichloroethene	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
trans-1,3-Dichloropropene	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
trans-1,4-Dichloro-2-butene	< 100 ug/L		04/03/13 14:12	BP	SW 8260B*
Trichloroethene	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
Trichlorofluoromethane	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
Vinyl acetate	< 200 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
Vinyl chloride	< 100 ug/L		04/03/13 14:12	BP	SW 8260B 04KS
Xylenes- Total	< 300 ug/L		04/03/13 14:12	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	98 % 65-134		04/03/13 12:25	BP	SW 8260B
Surrogate: Bromofluorobenzene	102 % 75.1-125		04/03/13 12:25	BP	SW 8260B
Surrogate: Toluene-d8	93 % 74.2-117		04/03/13 12:25	BP	SW 8260B



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/01/13 15:06
Report Date: 04/15/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3040075-04**

Collect Date: **03/29/13 18:04**

Sample Description: **Treated Condensate Voa/Svoc 3**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL						
1,2,4-Trichlorobenzene	< 1000 ug/L	S	04/08/13 13:29	PSB	SW 8270C	04KS
1,2-Dichlorobenzene	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C	04KS
1,3-Dichlorobenzene	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C	04KS
1,4-Dichlorobenzene	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C	04KS
2,4,5-Trichlorophenol	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C	04KS
2,4,6-Trichlorophenol	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C	04KS
2,4-Dichlorophenol	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C	04KS
2,4-Dimethylphenol	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C	04KS
2,4-Dinitrophenol	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C	04KS
2,4-Dinitrotoluene	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C	04KS
2,6-Dimethylaniline	< 500 ug/L		04/08/13 13:29	PSB	SW 8270C*	
2,6-Dinitrotoluene	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C	04KS
2-Chloronaphthalene	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C	04KS
2-Chlorophenol	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C	04KS
2-Methylnaphthalene	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C	04KS
2-Methylphenol	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C	04KS
2-Nitroaniline	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C	04KS
2-Nitrophenol	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C	04KS
3- & 4-Methylphenol	2510 ug/L		04/08/13 13:29	PSB	SW 8270C	04KS
3,3'-Dichlorobenzidine	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C	04KS
3-Nitroaniline	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C	04KS
4,6-Dinitro-2-methylphenol	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C	04KS
4-Bromophenylphenyl ether	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C	04KS
4-Chloro-3-methylphenol	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C	04KS
4-Chloroaniline	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C	04KS
4-Chlorophenylphenyl ether	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C	04KS
4-Nitroaniline	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C	04KS
4-Nitrophenol	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C	04KS
Acenaphthene	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C	04KS
Acenaphthylene	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C	04KS
Aniline	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C	04KS
Anthracene	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C	04KS
Azobenzene	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C*	

3040075



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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: Sean Torrey

Date Received: 04/01/13 15:06
Report Date: 04/15/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3040075-04**

Collect Date: **03/29/13 18:04**

Sample Description: **Treated Condensate Voa/Svoc 3**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
Benzidine	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C*
Benzo(a)anthracene	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C 04KS
Benzo(a)pyrene	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C 04KS
Benzo(b&k)fluoranthene	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C 04KS
Benzo(b)fluoranthene	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C 04KS
Benzo(g,h,i)perylene	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C 04KS
Benzo(k)fluoranthene	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C 04KS
Benzoic Acid	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C*
Benzyl alcohol	2600 ug/L		04/08/13 13:29	PSB	SW 8270C 04KS
Bis(2-chloroethoxy) methane	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C 04KS
Bis(2-chloroethyl) ether	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C 04KS
Bis(2-chloroisopropyl) ether	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C*
Bis(2-ethylhexyl) phthalate	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C 04KS
Butyl benzyl phthalate	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C 04KS
Carbazole	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C*
Chrysene	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C 04KS
Dibenzo(a,h)anthracene	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C 04KS
Dibenzofuran	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C 04KS
Diethyl phthalate	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C 04KS
Dimethyl phthalate	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C 04KS
Di-n-butyl phthalate	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C 04KS
Di-n-octyl phthalate	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C 04KS
Diphenylamine	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C 04KS
Fluoranthene	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C 04KS
Fluorene	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C 04KS
Hexachlorobenzene	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C 04KS
Hexachlorobutadiene	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C 04KS
Hexachlorocyclopentadiene	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C 04KS
Hexachloroethane	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C 04KS
Indeno(1,2,3-cd)pyrene	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C 04KS
Isophorone	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C 04KS
Naphthalene	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C 04KS
Nitrobenzene	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C 04KS

3040075



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/01/13 15:06
Report Date: 04/15/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3040075-04**

Collect Date: **03/29/13 18:04**

Sample Description: **Treated Condensate Voa/Svoc 3**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
N-Nitrosodimethylamine	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C 04KS
N-Nitrosodi-n-propylamine	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C 04KS
Pentachlorophenol	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C 04KS
Phenanthrene	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C 04KS
Phenol	6230 ug/L		04/08/13 13:29	PSB	SW 8270C 04KS
Pyrene	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C 04KS
Pyridine	< 1000 ug/L		04/08/13 13:29	PSB	SW 8270C 04KS
Surrogate: Nitrobenzene-d5	44 % 22-105	S	04/08/13 13:29	PSB	SW 8270C
Surrogate: 2-Fluorobiphenyl	52 % 30-97	S	04/08/13 13:29	PSB	SW 8270C
Surrogate: p-Terphenyl-d14	48 % 22-115	S	04/08/13 13:29	PSB	SW 8270C
Volatile Organics - STL					
1,1,1,2-Tetrachloroethane	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
1,1,1-Trichloroethane	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
1,1,2,2-Tetrachloroethane	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 100 ug/L		04/03/13 14:37	BP	SW 8260B*
1,1,2-Trichloroethane	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
1,1-Dichloroethane	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
1,1-Dichloroethene	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
1,1-Dichloropropene	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
1,2,3-Trichlorobenzene	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
1,2,3-Trichloropropane	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
1,2,4-Trichlorobenzene	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
1,2,4-Trimethylbenzene	640 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
1,2-Dibromo-3-chloropropane	< 100 ug/L		04/03/13 14:37	BP	SW 8260B*
1,2-Dibromoethane	< 100 ug/L		04/03/13 14:37	BP	SW 8260B*
1,2-Dichloroethene- Total	< 200 ug/L		04/03/13 14:37	BP	SW 8260B*
1,2-Dichlorobenzene	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
1,2-Dichloroethane	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
1,2-Dichloropropane	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
1,3,5-Trimethylbenzene	130 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
1,3-Dichlorobenzene	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
1,3-Dichloropropane	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/01/13 15:06
Report Date: 04/15/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3040075-04**

Collect Date: **03/29/13 18:04**

Sample Description: **Treated Condensate Voa/Svoc 3**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
1,3-Dichloropropene - Total	< 200 ug/L		04/03/13 14:37	BP	SW 8260B*
1,4-Dichlorobenzene	510 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
1,4-Dioxane	< 500 ug/L		04/03/13 14:37	BP	SW 8260B*
2,2-Dichloropropane	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
2-Butanone	35000 ug/L		04/03/13 12:51	BP	SW 8260B 04KS
2-Chloroethylvinyl ether	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
2-Chlorotoluene	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
2-Hexanone	710 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
2-Nitropropane	< 200 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
4-Chlorotoluene	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
4-Methyl-2-pentanone (MIBK)	460 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
Acetone	120000 ug/L		04/03/13 12:51	BP	SW 8260B 04KS
Acetonitrile	< 500 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
Acrolein	< 500 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
Acrylonitrile	< 200 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
Allyl Chloride	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
Benzene	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
Bromobenzene	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
Bromochloromethane	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
Bromodichloromethane	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
Bromoform	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
Bromomethane	< 200 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
Carbon disulfide	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
Carbon tetrachloride	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
Chlorobenzene	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
Chloroethane	< 200 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
Chloroform	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
Chloromethane	< 200 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
cis-1,2-Dichloroethene	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
cis-1,3-Dichloropropene	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
Dibromochloromethane	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
Dibromomethane	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
Dichlorodifluoromethane	< 200 ug/L		04/03/13 14:37	BP	SW 8260B 04KS

3040075



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/01/13 15:06
Report Date: 04/15/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3040075-04**

Collect Date: **03/29/13 18:04**

Sample Description: **Treated Condensate Voa/Svoc 3**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
Ethyl methacrylate	< 100 ug/L		04/03/13 14:37	BP	SW 8260B*
Ethylbenzene	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
Hexachlorobutadiene	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
Iodomethane	< 200 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
Isobutanol	61000 ug/L		04/03/13 12:51	BP	SW 8260B*
Isopropylbenzene	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
m,p-Xylene	< 200 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
Methacrylonitrile	< 100 ug/L		04/03/13 14:37	BP	SW 8260B*
Methyl methacrylate	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
Methylene chloride	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
MTBE	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
Naphthalene	1600 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
n-Butylbenzene	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
n-Propylbenzene	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
o-Xylene	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
p-Isopropyl toluene	3300 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
Propionitrile	< 200 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
sec-Butylbenzene	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
Styrene	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
tert-Butylbenzene	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
Tetrachloroethene	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
Toluene	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
trans-1,2-Dichloroethene	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
trans-1,3-Dichloropropene	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
trans-1,4-Dichloro-2-butene	< 100 ug/L		04/03/13 14:37	BP	SW 8260B*
Trichloroethene	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
Trichlorofluoromethane	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
Vinyl acetate	< 200 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
Vinyl chloride	< 100 ug/L		04/03/13 14:37	BP	SW 8260B 04KS
Xylenes- Total	< 300 ug/L		04/03/13 14:37	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	100 % 65-134		04/03/13 12:51	BP	SW 8260B
Surrogate: Bromofluorobenzene	97 % 75.1-125		04/03/13 12:51	BP	SW 8260B
Surrogate: Toluene-d8	93 % 74.2-117		04/03/13 12:51	BP	SW 8260B



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/01/13 15:06
Report Date: 04/15/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3040075-05**

Collect Date: **03/29/13 18:30**

Sample Description: **Treated Condensate Voa/Svoc 4**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL						
1,2,4-Trichlorobenzene	< 1000 ug/L	S	04/08/13 14:00	PSB	SW 8270C	04KS
1,2-Dichlorobenzene	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C	04KS
1,3-Dichlorobenzene	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C	04KS
1,4-Dichlorobenzene	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C	04KS
2,4,5-Trichlorophenol	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C	04KS
2,4,6-Trichlorophenol	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C	04KS
2,4-Dichlorophenol	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C	04KS
2,4-Dimethylphenol	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C	04KS
2,4-Dinitrophenol	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C	04KS
2,4-Dinitrotoluene	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C	04KS
2,6-Dimethylaniline	< 500 ug/L		04/08/13 14:00	PSB	SW 8270C*	
2,6-Dinitrotoluene	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C	04KS
2-Chloronaphthalene	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C	04KS
2-Chlorophenol	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C	04KS
2-Methylnaphthalene	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C	04KS
2-Methylphenol	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C	04KS
2-Nitroaniline	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C	04KS
2-Nitrophenol	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C	04KS
3- & 4-Methylphenol	2430 ug/L		04/08/13 14:00	PSB	SW 8270C	04KS
3,3'-Dichlorobenzidine	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C	04KS
3-Nitroaniline	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C	04KS
4,6-Dinitro-2-methylphenol	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C	04KS
4-Bromophenylphenyl ether	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C	04KS
4-Chloro-3-methylphenol	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C	04KS
4-Chloroaniline	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C	04KS
4-Chlorophenylphenyl ether	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C	04KS
4-Nitroaniline	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C	04KS
4-Nitrophenol	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C	04KS
Acenaphthene	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C	04KS
Acenaphthylene	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C	04KS
Aniline	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C	04KS
Anthracene	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C	04KS
Azobenzene	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C*	

3040075



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/01/13 15:06
Report Date: 04/15/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3040075-05**
Sample Description: **Treated Condensate Voa/Svoc 4**

Collect Date: **03/29/13 18:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
Benzidine	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C*
Benzo(a)anthracene	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C 04KS
Benzo(a)pyrene	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C 04KS
Benzo(b&k)fluoranthene	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C 04KS
Benzo(b)fluoranthene	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C 04KS
Benzo(g,h,i)perylene	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C 04KS
Benzo(k)fluoranthene	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C 04KS
Benzoic Acid	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C*
Benzyl alcohol	2860 ug/L		04/08/13 14:00	PSB	SW 8270C 04KS
Bis(2-chloroethoxy) methane	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C 04KS
Bis(2-chloroethyl) ether	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C 04KS
Bis(2-chloroisopropyl) ether	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C*
Bis(2-ethylhexyl) phthalate	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C 04KS
Butyl benzyl phthalate	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C 04KS
Carbazole	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C*
Chrysene	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C 04KS
Dibenzo(a,h)anthracene	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C 04KS
Dibenzofuran	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C 04KS
Diethyl phthalate	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C 04KS
Dimethyl phthalate	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C 04KS
Di-n-butyl phthalate	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C 04KS
Di-n-octyl phthalate	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C 04KS
Diphenylamine	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C 04KS
Fluoranthene	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C 04KS
Fluorene	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C 04KS
Hexachlorobenzene	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C 04KS
Hexachlorobutadiene	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C 04KS
Hexachlorocyclopentadiene	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C 04KS
Hexachloroethane	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C 04KS
Indeno(1,2,3-cd)pyrene	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C 04KS
Isophorone	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C 04KS
Naphthalene	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C 04KS
Nitrobenzene	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/01/13 15:06
Report Date: 04/15/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3040075-05**

Collect Date: **03/29/13 18:30**

Sample Description: **Treated Condensate Voa/Svoc 4**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
N-Nitrosodimethylamine	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C 04KS
N-Nitrosodi-n-propylamine	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C 04KS
Pentachlorophenol	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C 04KS
Phenanthrene	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C 04KS
Phenol	6180 ug/L		04/08/13 14:00	PSB	SW 8270C 04KS
Pyrene	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C 04KS
Pyridine	< 1000 ug/L		04/08/13 14:00	PSB	SW 8270C 04KS
Surrogate: Nitrobenzene-d5	74 % 22-105	S	04/08/13 14:00	PSB	SW 8270C
Surrogate: 2-Fluorobiphenyl	53 % 30-97	S	04/08/13 14:00	PSB	SW 8270C
Surrogate: p-Terphenyl-d14	57 % 22-115	S	04/08/13 14:00	PSB	SW 8270C
Volatile Organics - STL					
1,1,1,2-Tetrachloroethane	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
1,1,1-Trichloroethane	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
1,1,2,2-Tetrachloroethane	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 100 ug/L		04/03/13 15:03	BP	SW 8260B*
1,1,2-Trichloroethane	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
1,1-Dichloroethane	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
1,1-Dichloroethene	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
1,1-Dichloropropene	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
1,2,3-Trichlorobenzene	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
1,2,3-Trichloropropane	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
1,2,4-Trichlorobenzene	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
1,2,4-Trimethylbenzene	500 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
1,2-Dibromo-3-chloropropane	< 100 ug/L		04/03/13 15:03	BP	SW 8260B*
1,2-Dibromoethane	< 100 ug/L		04/03/13 15:03	BP	SW 8260B*
1,2-Dichloroethene- Total	< 200 ug/L		04/03/13 15:03	BP	SW 8260B*
1,2-Dichlorobenzene	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
1,2-Dichloroethane	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
1,2-Dichloropropane	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
1,3,5-Trimethylbenzene	100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
1,3-Dichlorobenzene	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
1,3-Dichloropropane	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/01/13 15:06
Report Date: 04/15/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3040075-05**

Collect Date: **03/29/13 18:30**

Sample Description: **Treated Condensate Voa/Svoc 4**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
1,3-Dichloropropene - Total	< 200 ug/L		04/03/13 15:03	BP	SW 8260B*
1,4-Dichlorobenzene	400 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
1,4-Dioxane	< 500 ug/L		04/03/13 15:03	BP	SW 8260B*
2,2-Dichloropropane	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
2-Butanone	36000 ug/L		04/03/13 13:17	BP	SW 8260B 04KS
2-Chloroethylvinyl ether	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
2-Chlorotoluene	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
2-Hexanone	710 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
2-Nitropropane	< 200 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
4-Chlorotoluene	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
4-Methyl-2-pentanone (MIBK)	460 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
Acetone	120000 ug/L		04/03/13 13:17	BP	SW 8260B 04KS
Acetonitrile	< 500 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
Acrolein	< 500 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
Acrylonitrile	< 200 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
Allyl Chloride	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
Benzene	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
Bromobenzene	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
Bromochloromethane	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
Bromodichloromethane	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
Bromoform	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
Bromomethane	< 200 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
Carbon disulfide	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
Carbon tetrachloride	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
Chlorobenzene	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
Chloroethane	< 200 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
Chloroform	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
Chloromethane	< 200 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
cis-1,2-Dichloroethene	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
cis-1,3-Dichloropropene	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
Dibromochloromethane	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
Dibromomethane	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
Dichlorodifluoromethane	< 200 ug/L		04/03/13 15:03	BP	SW 8260B 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/01/13 15:06
Report Date: 04/15/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3040075-05**
Sample Description: **Treated Condensate Voa/Svoc 4**

Collect Date: **03/29/13 18:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
Ethyl methacrylate	< 100 ug/L		04/03/13 15:03	BP	SW 8260B*
Ethylbenzene	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
Hexachlorobutadiene	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
Iodomethane	< 200 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
Isobutanol	58000 ug/L		04/03/13 13:17	BP	SW 8260B*
Isopropylbenzene	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
m,p-Xylene	< 200 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
Methacrylonitrile	< 100 ug/L		04/03/13 15:03	BP	SW 8260B*
Methyl methacrylate	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
Methylene chloride	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
MTBE	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
Naphthalene	1300 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
n-Butylbenzene	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
n-Propylbenzene	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
o-Xylene	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
p-Isopropyl toluene	2500 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
Propionitrile	< 200 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
sec-Butylbenzene	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
Styrene	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
tert-Butylbenzene	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
Tetrachloroethene	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
Toluene	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
trans-1,2-Dichloroethene	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
trans-1,3-Dichloropropene	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
trans-1,4-Dichloro-2-butene	< 100 ug/L		04/03/13 15:03	BP	SW 8260B*
Trichloroethene	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
Trichlorofluoromethane	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
Vinyl acetate	< 200 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
Vinyl chloride	< 100 ug/L		04/03/13 15:03	BP	SW 8260B 04KS
Xylenes- Total	< 300 ug/L		04/03/13 15:03	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	98 % 65-134		04/03/13 15:03	BP	SW 8260B
Surrogate: Bromofluorobenzene	88 % 75.1-125		04/03/13 15:03	BP	SW 8260B
Surrogate: Toluene-d8	93 % 74.2-117		04/03/13 15:03	BP	SW 8260B



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/01/13 15:06
Report Date: 04/15/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3040075-06**
Sample Description: **Trip Blank**

Collect Date: **03/29/13 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
1,1,1,2-Tetrachloroethane	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
1,1,1-Trichloroethane	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
1,1,2,2-Tetrachloroethane	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B*
1,1,2-Trichloroethane	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
1,1-Dichloroethane	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
1,1-Dichloroethene	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
1,1-Dichloropropene	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
1,2,3-Trichlorobenzene	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
1,2,3-Trichloropropane	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
1,2,4-Trichlorobenzene	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
1,2,4-Trimethylbenzene	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
1,2-Dibromo-3-chloropropane	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B*
1,2-Dibromoethane	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B*
1,2-Dichloroethene- Total	< 10 ug/L		04/03/13 11:31	BP	SW 8260B*
1,2-Dichlorobenzene	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
1,2-Dichloroethane	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
1,2-Dichloropropane	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
1,3,5-Trimethylbenzene	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
1,3-Dichlorobenzene	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
1,3-Dichloropropane	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
1,3-Dichloropropene - Total	< 10 ug/L		04/03/13 11:31	BP	SW 8260B*
1,4-Dichlorobenzene	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
1,4-Dioxane	< 25 ug/L		04/03/13 11:31	BP	SW 8260B*
2,2-Dichloropropane	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
2-Butanone	< 10 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
2-Chloroethylvinyl ether	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
2-Chlorotoluene	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
2-Hexanone	< 10 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
2-Nitropropane	< 10 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
4-Chlorotoluene	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
4-Methyl-2-pentanone (MIBK)	< 10 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
Acetone	< 10 ug/L		04/03/13 11:31	BP	SW 8260B 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/01/13 15:06
Report Date: 04/15/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3040075-06**
Sample Description: **Trip Blank**

Collect Date: **03/29/13 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - STL</u>					
Acetonitrile	< 25 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
Acrolein	< 25 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
Acrylonitrile	< 10 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
Allyl Chloride	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
Benzene	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
Bromobenzene	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
Bromochloromethane	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
Bromodichloromethane	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
Bromoform	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
Bromomethane	< 10 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
Carbon disulfide	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
Carbon tetrachloride	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
Chlorobenzene	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
Chloroethane	< 10 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
Chloroform	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
Chloromethane	< 10 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
cis-1,2-Dichloroethene	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
cis-1,3-Dichloropropene	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
Dibromochloromethane	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
Dibromomethane	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
Dichlorodifluoromethane	< 10 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
Ethyl methacrylate	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B*
Ethylbenzene	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
Hexachlorobutadiene	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
Iodomethane	< 10 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
Isobutanol	< 25 ug/L		04/03/13 11:31	BP	SW 8260B*
Isopropylbenzene	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
m,p-Xylene	< 10 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
Methacrylonitrile	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B*
Methyl methacrylate	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
Methylene chloride	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
MTBE	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
Naphthalene	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/01/13 15:06
Report Date: 04/15/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3040075-06**
Sample Description: **Trip Blank**

Collect Date: **03/29/13 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - STL</u>					
n-Butylbenzene	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
n-Propylbenzene	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
o-Xylene	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
p-Isopropyl toluene	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
Propionitrile	< 10 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
sec-Butylbenzene	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
Styrene	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
tert-Butylbenzene	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
Tetrachloroethene	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
Toluene	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
trans-1,2-Dichloroethene	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
trans-1,3-Dichloropropene	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
trans-1,4-Dichloro-2-butene	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B*
Trichloroethene	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
Trichlorofluoromethane	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
Vinyl acetate	< 10 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
Vinyl chloride	< 5.0 ug/L		04/03/13 11:31	BP	SW 8260B 04KS
Xylenes- Total	< 15 ug/L		04/03/13 11:31	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	100 % 65-134		04/03/13 11:31	BP	SW 8260B
Surrogate: Bromofluorobenzene	101 % 75.1-125		04/03/13 11:31	BP	SW 8260B
Surrogate: Toluene-d8	94 % 74.2-117		04/03/13 11:31	BP	SW 8260B

Sample No: **3040075-07**
Sample Description: **Treated Condensate TCLP**

Collect Date: **03/29/13 17:15**
Matrix: **Solid**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>General Chemistry - STL</u>					
Solids - total solids (TS)	4.2 %	H	04/10/13 10:00	ACV	SM 2540G 18Ed*



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Bridgeton Landfill
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Attn: Sean Torrey

Date Received: 04/01/13 15:06
Report Date: 04/15/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

General Chemistry - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305771 - No Prep								
Matrix Spike (B305771-MS1)	Source: 3041817-01		Prepared & Analyzed: 04/11/13					
Total Organic Carbon (TOC)	12.9	mg/L	5.000	7.22	113	80-120		
Matrix Spike Dup (B305771-MSD1)	Source: 3041817-01		Prepared & Analyzed: 04/11/13					
Total Organic Carbon (TOC)	12.4	mg/L	5.000	7.22	103	80-120	4	20

TCLP - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B304976 - 04-SW 1311 - TCLP								
Blank (B304976-BLK1)			Prepared: 04/01/13 Analyzed: 04/02/13					
Final pH	0.00	[blank]						

TCLP Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B304976 - 04-SW 1311 - TCLP								
Blank (B304976-BLK1)			Prepared: 04/01/13 Analyzed: 04/02/13					
Final pH	0.00	[blank]						
Batch B305187 - 04-SW 7470A/245.1								
Blank (B305187-BLK1)			Prepared & Analyzed: 04/04/13					
Mercury	< 0.0002	mg/L						
LCS (B305187-BS1)			Prepared & Analyzed: 04/04/13					
Mercury	0.00220	mg/L	0.002000		110	85-115		
Matrix Spike (B305187-MS1)	Source: 3033124-01		Prepared & Analyzed: 04/04/13					
Mercury	0.00214	mg/L	0.002000	ND	107	50-150		
Matrix Spike (B305187-MS2)	Source: 3040075-01		Prepared & Analyzed: 04/04/13					
Mercury	0.00209	mg/L	0.002000	ND	104	50-150		
Matrix Spike (B305187-MS3)	Source: 3040491-01		Prepared & Analyzed: 04/04/13					
Mercury	0.00210	mg/L	0.002000	ND	105	50-150		
Matrix Spike Dup (B305187-MSD1)	Source: 3033124-01		Prepared & Analyzed: 04/04/13					
Mercury	0.00221	mg/L	0.002000	ND	110	50-150	3	20

Batch B305188 - 04 SW 3010A TCLP



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Revised Laboratory Results

TCLP Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305188 - 04 SW 3010A TCLP								
Blank (B305188-BLK1)			Prepared & Analyzed: 04/04/13					
Arsenic	< 0.030	mg/L						
Barium	< 0.020	mg/L						
Cadmium	< 0.0040	mg/L						
Chromium	< 0.0040	mg/L						
Lead	< 0.020	mg/L						
Selenium	< 0.020	mg/L						
Silver	< 0.0030	mg/L						
LCS (B305188-BS1)			Prepared & Analyzed: 04/04/13					
Arsenic	0.201	mg/L	0.2000		100	80-120		
Barium	0.204	mg/L	0.2000		102	80-120		
Cadmium	0.196	mg/L	0.2000		98	80-120		
Chromium	0.205	mg/L	0.2000		102	80-120		
Lead	0.197	mg/L	0.2000		98	80-120		
Selenium	0.192	mg/L	0.2000		96	80-120		
Silver	0.0488	mg/L	0.05000		98	80-120		
Matrix Spike (B305188-MS1)			Source: 3033124-01		Prepared & Analyzed: 04/04/13			
Arsenic	4.84	mg/L	5.000	0.0154	96	50-150		
Barium	20.7	mg/L	25.00	0.225	82	50-150		
Cadmium	0.855	mg/L	1.000	ND	85	50-150		
Chromium	4.19	mg/L	5.000	0.00292	84	50-150		
Lead	4.03	mg/L	5.000	ND	81	50-150		
Selenium	1.05	mg/L	1.000	0.0236	103	50-150		
Silver	0.412	mg/L	0.5000	ND	82	50-150		
Matrix Spike (B305188-MS2)			Source: 3040075-01		Prepared & Analyzed: 04/04/13			
Arsenic	4.83	mg/L	5.000	0.0244	96	50-150		
Barium	20.6	mg/L	25.00	0.165	82	50-150		
Cadmium	0.857	mg/L	1.000	ND	86	50-150		
Chromium	4.21	mg/L	5.000	0.0133	84	50-150		
Lead	4.00	mg/L	5.000	ND	80	50-150		
Selenium	0.995	mg/L	1.000	0.0552	94	50-150		
Silver	0.409	mg/L	0.5000	0.00162	81	50-150		
Matrix Spike (B305188-MS3)			Source: 3040491-01		Prepared & Analyzed: 04/04/13			
Arsenic	5.01	mg/L	5.000	ND	100	50-150		
Barium	21.7	mg/L	25.00	0.146	86	50-150		
Cadmium	0.892	mg/L	1.000	ND	89	50-150		
Chromium	4.35	mg/L	5.000	0.00682	87	50-150		
Lead	4.17	mg/L	5.000	ND	83	50-150		
Selenium	1.03	mg/L	1.000	0.0353	100	50-150		

3040075



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Revised Laboratory Results

TCLP Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B305188 - 04 SW 3010A TCLP

Matrix Spike (B305188-MS3)	Source: 3040491-01	Prepared & Analyzed: 04/04/13						
Silver	0.418	mg/L	0.5000	0.00164	83	50-150		

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B305119 - 04-No Prep VOA

Blank (B305119-BLK1)	Prepared & Analyzed: 04/03/13							
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1,1,1,2-Tetrachloroethane	< 5.0	ug/L						
1,1,1-Trichloroethane	< 5.0	ug/L						
1,1,2,2-Tetrachloroethane	< 5.0	ug/L						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 5.0	ug/L						
1,1,2-Trichloroethane	< 5.0	ug/L						
1,1-Dichloroethane	< 5.0	ug/L						
1,1-Dichloroethene	< 5.0	ug/L						
1,1-Dichloropropene	< 5.0	ug/L						
1,2,3-Trichlorobenzene	< 5.0	ug/L						
1,2,3-Trichloropropane	< 5.0	ug/L						
1,2,4-Trichlorobenzene	< 5.0	ug/L						
1,2,4-Trimethylbenzene	< 5.0	ug/L						
1,2-Dibromo-3-chloropropane	< 5.0	ug/L						
1,2-Dibromoethane	< 5.0	ug/L						
1,2-Dichloroethene- Total	< 10	ug/L						
1,2-Dichlorobenzene	< 5.0	ug/L						
1,2-Dichloroethane	< 5.0	ug/L						
1,2-Dichloropropane	< 5.0	ug/L						
1,3,5-Trimethylbenzene	< 5.0	ug/L						
1,3-Dichlorobenzene	< 5.0	ug/L						
1,3-Dichloropropane	< 5.0	ug/L						
1,3-Dichloropropene - Total	< 10	ug/L						
1,4-Dichlorobenzene	< 5.0	ug/L						
1,4-Dioxane	< 25	ug/L						
2,2-Dichloropropane	< 5.0	ug/L						
2-Butanone	< 10	ug/L						
2-Chloroethylvinyl ether	< 5.0	ug/L						
2-Chlorotoluene	< 5.0	ug/L						
2-Hexanone	< 10	ug/L						



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Revised Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305119 - 04-No Prep VOA								
Blank (B305119-BLK1)			Prepared & Analyzed: 04/03/13					
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						
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						



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Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305119 - 04-No Prep VOA								
Blank (B305119-BLK1)			Prepared & Analyzed: 04/03/13					
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	30.2	ug/L	30.00		101	65-134		
Surrogate: Bromofluorobenzene	31.7	ug/L	30.00		106	75.1-125		
Surrogate: Toluene-d8	28.3	ug/L	30.00		94	74.2-117		
LCS (B305119-BS1)			Prepared & Analyzed: 04/03/13					
1,1,1-Trichloroethane	20	ug/L	20.00		99	76-131		
1,1,2,2-Tetrachloroethane	19	ug/L	20.00		94	79-126		
1,1,2-Trichloroethane	19	ug/L	20.00		93	79-123		
1,1-Dichloroethane	22	ug/L	20.00		109	74-133		
1,1-Dichloroethene	22	ug/L	20.00		109	71-135		
1,2-Dichlorobenzene	18	ug/L	20.00		89	76-113		
1,2-Dichloroethane	21	ug/L	20.00		103	80-135		
1,2-Dichloropropane	21	ug/L	20.00		103	78-127		
1,3-Dichlorobenzene	19	ug/L	20.00		97	82-119		
1,4-Dichlorobenzene	19	ug/L	20.00		97	78-118		
2-Chloroethylvinyl ether	19	ug/L	20.00		97	66-138		
Acrolein	103	ug/L	100.0		103	38-156		
Acrylonitrile	22	ug/L	20.00		111	43-121		
Benzene	20	ug/L	20.00		99	84-114		
Bromodichloromethane	19	ug/L	20.00		93	82-116		
Bromoform	15	ug/L	20.00		76	65-115		
Bromomethane	11	ug/L	20.00		56	28-143		
Carbon tetrachloride	20	ug/L	20.00		100	72-131		
Chlorobenzene	19	ug/L	20.00		95	82-112		



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Revised Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305119 - 04-No Prep VOA								
LCS (B305119-BS1)			Prepared & Analyzed: 04/03/13					
Chloroethane	19	ug/L	20.00		95	41-126		
Chloroform	20	ug/L	20.00		102	78-124		
Chloromethane	16	ug/L	20.00		81	52-110		
cis-1,3-Dichloropropene	20	ug/L	20.00		102	82-116		
Dibromochloromethane	18	ug/L	20.00		90	83-119		
Ethylbenzene	20	ug/L	20.00		102	85-118		
m,p-Xylene	36	ug/L	40.00		90	80-111		
Methylene chloride	22	ug/L	20.00		112	78-140		
o-Xylene	18	ug/L	20.00		90	81-111		
Tetrachloroethene	18	ug/L	20.00		91	65-135		
Toluene	19	ug/L	20.00		93	81-120		
trans-1,2-Dichloroethene	22	ug/L	20.00		112	70-136		
trans-1,3-Dichloropropene	19	ug/L	20.00		94	82-113		
Trichloroethene	22	ug/L	20.00		109	84-125		
Trichlorofluoromethane	21	ug/L	20.00		103	70-138		
Vinyl chloride	20	ug/L	20.00		99	56-112		
Surrogate: 1,2-Dichloroethane-d4	30.9	ug/L	30.00		103	65.3-134		
Surrogate: Bromofluorobenzene	30.4	ug/L	30.00		101	77.8-123		
Surrogate: Toluene-d8	29.5	ug/L	30.00		98	73.2-119		
Matrix Spike (B305119-MS1)			Source: 3033363-01		Prepared & Analyzed: 04/03/13			
1,1,1-Trichloroethane	20	ug/L	20.00	ND	98	58-143		
1,1,1,2-Tetrachloroethane	17	ug/L	20.00	ND	84	70-133		
1,1,2-Trichloroethane	17	ug/L	20.00	ND	86	73-130		
1,1-Dichloroethane	21	ug/L	20.00	ND	106	55-146		
1,1-Dichloroethene	21	ug/L	20.00	ND	103	51-150		
1,2-Dichlorobenzene	16	ug/L	20.00	ND	79	62-120		
1,2-Dichloroethane	19	ug/L	20.00	ND	96	67-143		
1,2-Dichloropropane	19	ug/L	20.00	ND	96	66-134		
1,3-Dichlorobenzene	17	ug/L	20.00	ND	87	67-124		
1,4-Dichlorobenzene	16	ug/L	20.00	ND	82	66-123		
Acrolein	91	ug/L	100.0	ND	91	14-156		
Acrylonitrile	18	ug/L	20.00	ND	91	46-116		
Benzene	19	ug/L	20.00	ND	94	69-126		
Bromodichloromethane	17	ug/L	20.00	ND	84	67-128		
Bromoform	14	ug/L	20.00	ND	69	42-132		
Bromomethane	13	ug/L	20.00	ND	65	5-138		
Carbon tetrachloride	19	ug/L	20.00	ND	93	53-151		
Chlorobenzene	17	ug/L	20.00	ND	85	67-124		
Chloroethane	15	ug/L	20.00	ND	74	35-123		



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Revised Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305119 - 04-No Prep VOA								
Matrix Spike (B305119-MS1)			Source: 3033363-01		Prepared & Analyzed: 04/03/13			
Chloroform	19	ug/L	20.00	ND	96	41-155		
Chloromethane	17	ug/L	20.00	ND	87	39-120		
cis-1,3-Dichloropropene	18	ug/L	20.00	ND	90	68-126		
Dibromochloromethane	16	ug/L	20.00	ND	78	68-131		
Ethylbenzene	18	ug/L	20.00	ND	90	68-128		
m,p-Xylene	33	ug/L	40.00	ND	82	64-122		
Methylene chloride	21	ug/L	20.00	ND	103	70-150		
o-Xylene	17	ug/L	20.00	ND	83	65-122		
Tetrachloroethene	15	ug/L	20.00	ND	74	42-132		
Toluene	17	ug/L	20.00	ND	86	64-137		
trans-1,2-Dichloroethene	21	ug/L	20.00	ND	106	57-145		
trans-1,3-Dichloropropene	16	ug/L	20.00	ND	82	66-121		
Trichloroethene	20	ug/L	20.00	ND	99	69-131		
Trichlorofluoromethane	19	ug/L	20.00	ND	97	36-162		
Vinyl chloride	18	ug/L	20.00	ND	90	24-137		
Surrogate: 1,2-Dichloroethane-d4	32.4	ug/L	30.00		108	63.3-137		
Surrogate: Bromofluorobenzene	29.9	ug/L	30.00		100	74.6-123		
Surrogate: Toluene-d8	28.7	ug/L	30.00		96	71-122		
Matrix Spike Dup (B305119-MSD1)			Source: 3033363-01		Prepared & Analyzed: 04/03/13			
1,1,1-Trichloroethane	17	ug/L	20.00	ND	86	58-143	13	40
1,1,2,2-Tetrachloroethane	17	ug/L	20.00	ND	87	70-133	3	40
1,1,2-Trichloroethane	17	ug/L	20.00	ND	84	73-130	2	40
1,1-Dichloroethane	19	ug/L	20.00	ND	94	55-146	12	40
1,1-Dichloroethene	19	ug/L	20.00	ND	95	51-150	8	40
1,2-Dichlorobenzene	16	ug/L	20.00	ND	79	62-120	0.04	40
1,2-Dichloroethane	19	ug/L	20.00	ND	94	67-143	2	40
1,2-Dichloropropane	18	ug/L	20.00	ND	92	66-134	4	40
1,3-Dichlorobenzene	16	ug/L	20.00	ND	80	67-124	9	40
1,4-Dichlorobenzene	16	ug/L	20.00	ND	81	66-123	1	40
Acrolein	91	ug/L	100.0	ND	91	14-156	0.1	40
Acrylonitrile	21	ug/L	20.00	ND	107	46-116	15	40
Benzene	18	ug/L	20.00	ND	88	69-126	7	40
Bromodichloromethane	16	ug/L	20.00	ND	82	67-128	2	40
Bromoform	13	ug/L	20.00	ND	67	42-132	2	40
Bromomethane	15	ug/L	20.00	ND	76	5-138	16	40
Carbon tetrachloride	17	ug/L	20.00	ND	86	53-151	8	40
Chlorobenzene	17	ug/L	20.00	ND	84	67-124	0.9	40
Chloroethane	17	ug/L	20.00	ND	83	35-123	11	40
Chloroform	18	ug/L	20.00	ND	92	41-155	5	40

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Revised Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305119 - 04-No Prep VOA								
Matrix Spike Dup (B305119-MSD1)	Source: 3033363-01	Prepared & Analyzed: 04/03/13						
Chloromethane	17	ug/L	20.00	ND	84	39-120	3	40
cis-1,3-Dichloropropene	18	ug/L	20.00	ND	89	68-126	1	40
Dibromochloromethane	15	ug/L	20.00	ND	75	68-131	4	40
Ethylbenzene	17	ug/L	20.00	ND	85	68-128	5	40
m,p-Xylene	30	ug/L	40.00	ND	76	64-122	8	40
Methylene chloride	20	ug/L	20.00	ND	100	70-150	4	40
o-Xylene	16	ug/L	20.00	ND	79	65-122	4	40
Tetrachloroethene	14	ug/L	20.00	ND	69	42-132	7	40
Toluene	16	ug/L	20.00	ND	78	64-137	10	40
trans-1,2-Dichloroethene	19	ug/L	20.00	ND	97	57-145	9	40
trans-1,3-Dichloropropene	16	ug/L	20.00	ND	82	66-121	0.02	40
Trichloroethene	18	ug/L	20.00	ND	92	69-131	7	40
Trichlorofluoromethane	18	ug/L	20.00	ND	89	36-162	9	40
Vinyl chloride	15	ug/L	20.00	ND	77	24-137	16	40
Surrogate: 1,2-Dichloroethane-d4	29.3	ug/L	30.00		98	63.3-137		
Surrogate: Bromofluorobenzene	28.3	ug/L	30.00		94	74.6-123		
Surrogate: Toluene-d8	28.6	ug/L	30.00		95	71-122		

Volatile Organics- TCLP - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305037 - 04-No Prep VOA								
Blank (B305037-BLK1)	Prepared & Analyzed: 04/02/13							
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	31.3	ug/L	30.00		104	59.4-135		
Surrogate: Toluene-d8	28.6	ug/L	30.00		95	77.7-111		
Surrogate: Bromofluorobenzene	30.3	ug/L	30.00		101	74-125		



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PO#: 3496416

Revised Laboratory Results

Volatile Organics- TCLP - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305037 - 04-No Prep VOA								
LCS (B305037-BS1)			Prepared & Analyzed: 04/02/13					
1,1-Dichloroethene	22	ug/L	20.00		112	84-127		
1,2-Dichloroethane	21	ug/L	20.00		106	86-134		
1,4-Dichlorobenzene	19	ug/L	20.00		94	82-121		
2-Butanone	20	ug/L	20.00		98	42-133		
Benzene	20	ug/L	20.00		101	88-117		
Carbon tetrachloride	19	ug/L	20.00		96	77-132		
Chlorobenzene	20	ug/L	20.00		100	87-112		
Chloroform	20	ug/L	20.00		98	78-132		
Tetrachloroethene	18	ug/L	20.00		89	74-124		
Trichloroethene	22	ug/L	20.00		108	90-126		
Vinyl chloride	20	ug/L	20.00		99	56-121		
Surrogate: 1,2-Dichloroethane-d4	31.8	ug/L	30.00		106	58.5-138		
Surrogate: Toluene-d8	27.8	ug/L	30.00		93	70.3-119		
Surrogate: Bromofluorobenzene	30.1	ug/L	30.00		100	74-126		
Matrix Spike (B305037-MS1)			Source: 3033360-01		Prepared & Analyzed: 04/02/13			
1,1-Dichloroethene	926	ug/L	800.0	ND	116	32-165		
1,2-Dichloroethane	857	ug/L	800.0	ND	107	88-130		
1,4-Dichlorobenzene	781	ug/L	800.0	22	95	75-121		
2-Butanone	3460	ug/L	800.0	2330	141	5-176		
Benzene	836	ug/L	800.0	24	102	64-132		
Carbon tetrachloride	812	ug/L	800.0	ND	102	34-160		
Chlorobenzene	805	ug/L	800.0	ND	101	73-123		
Chloroform	806	ug/L	800.0	ND	101	68-141		
Tetrachloroethene	734	ug/L	800.0	ND	92	16-164		
Trichloroethene	854	ug/L	800.0	ND	107	45-161		
Vinyl chloride	808	ug/L	800.0	ND	101	10-152		
Surrogate: 1,2-Dichloroethane-d4	30.2	ug/L	30.00		101	59-133		
Surrogate: Toluene-d8	29.9	ug/L	30.00		100	78.2-110		
Surrogate: Bromofluorobenzene	31.1	ug/L	30.00		104	72.2-127		
Matrix Spike (B305037-MS2)			Source: 3040075-01		Prepared & Analyzed: 04/02/13			
1,1-Dichloroethene	789	ug/L	800.0	ND	99	32-165		
1,2-Dichloroethane	898	ug/L	800.0	ND	112	88-130		
1,4-Dichlorobenzene	766	ug/L	800.0	ND	96	75-121		
2-Butanone	Q1 3460	ug/L	800.0	1770	211	5-176		
Benzene	768	ug/L	800.0	ND	96	64-132		
Carbon tetrachloride	711	ug/L	800.0	ND	89	34-160		
Chlorobenzene	806	ug/L	800.0	ND	101	73-123		
Chloroform	775	ug/L	800.0	ND	97	68-141		
Tetrachloroethene	667	ug/L	800.0	ND	83	16-164		

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Revised Laboratory Results

Volatile Organics- TCLP - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305037 - 04-No Prep VOA								
Matrix Spike (B305037-MS2)	Source: 3040075-01		Prepared & Analyzed: 04/02/13					
Trichloroethene	834	ug/L	800.0	ND	104	45-161		
Vinyl chloride	704	ug/L	800.0	ND	88	10-152		
Surrogate: 1,2-Dichloroethane-d4	32.7	ug/L	30.00		109	59-133		
Surrogate: Toluene-d8	28.8	ug/L	30.00		96	78.2-110		
Surrogate: Bromofluorobenzene	30.9	ug/L	30.00		103	72.2-127		

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B304836 - 04 SW 3510 (625/8270)								
Blank (B304836-BLK1)			Prepared: 04/02/13 Analyzed: 04/04/13					
1,2,4-Trichlorobenzene	< 10.0	ug/L						
1,2-Dichlorobenzene	< 10.0	ug/L						
1,3-Dichlorobenzene	< 10.0	ug/L						
1,4-Dichlorobenzene	< 10.0	ug/L						
2,4,5-Trichlorophenol	< 10.0	ug/L						
2,4,6-Trichlorophenol	< 10.0	ug/L						
2,4-Dichlorophenol	< 10.0	ug/L						
2,4-Dimethylphenol	< 10.0	ug/L						
2,4-Dinitrophenol	< 10.0	ug/L						
2,4-Dinitrotoluene	< 10.0	ug/L						
2,6-Dimethylaniline	< 5.00	ug/L						
2,6-Dinitrotoluene	< 10.0	ug/L						
2-Chloronaphthalene	< 10.0	ug/L						
2-Chlorophenol	< 10.0	ug/L						
2-Methylnaphthalene	< 10.0	ug/L						
2-Methylphenol	< 10.0	ug/L						
2-Nitroaniline	< 10.0	ug/L						
2-Nitrophenol	< 10.0	ug/L						
3- & 4-Methylphenol	< 10.0	ug/L						
3,3'-Dichlorobenzidine	< 10.0	ug/L						
3-Nitroaniline	< 10.0	ug/L						
4,6-Dinitro-2-methylphenol	< 10.0	ug/L						
4-Bromophenylphenyl ether	< 10.0	ug/L						
4-Chloro-3-methylphenol	< 10.0	ug/L						
4-Chloroaniline	< 10.0	ug/L						
4-Chlorophenylphenyl ether	< 10.0	ug/L						



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Revised Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B304836 - 04 SW 3510 (625/8270)								
Blank (B304836-BLK1)			Prepared: 04/02/13 Analyzed: 04/04/13					
4-Nitroaniline	< 10.0	ug/L						
4-Nitrophenol	< 10.0	ug/L						
Acenaphthene	< 10.0	ug/L						
Acenaphthylene	< 10.0	ug/L						
Aniline	< 10.0	ug/L						
Anthracene	< 10.0	ug/L						
Azobenzene	< 10.0	ug/L						
Benzidine	< 10.0	ug/L						
Benzo(a)anthracene	< 10.0	ug/L						
Benzo(a)pyrene	< 10.0	ug/L						
Benzo(b&k)fluoranthene	< 10.0	ug/L						
Benzo(b)fluoranthene	< 10.0	ug/L						
Benzo(g,h,i)perylene	< 10.0	ug/L						
Benzo(k)fluoranthene	< 10.0	ug/L						
Benzoic Acid	< 10.0	ug/L						
Benzyl alcohol	< 10.0	ug/L						
Bis(2-chloroethoxy) methane	< 10.0	ug/L						
Bis(2-chloroethyl) ether	< 10.0	ug/L						
Bis(2-chloroisopropyl) ether	< 10.0	ug/L						
Bis(2-ethylhexyl) phthalate	< 10.0	ug/L						
Butyl benzyl phthalate	< 10.0	ug/L						
Carbazole	< 10.0	ug/L						
Chrysene	< 10.0	ug/L						
Dibenzo(a,h)anthracene	< 10.0	ug/L						
Dibenzofuran	< 10.0	ug/L						
Diethyl phthalate	< 10.0	ug/L						
Dimethyl phthalate	< 10.0	ug/L						
Di-n-butyl phthalate	< 10.0	ug/L						
Di-n-octyl phthalate	< 10.0	ug/L						
Diphenylamine	< 10.0	ug/L						
Fluoranthene	< 10.0	ug/L						
Fluorene	< 10.0	ug/L						
Hexachlorobenzene	< 10.0	ug/L						
Hexachlorobutadiene	< 10.0	ug/L						
Hexachlorocyclopentadiene	< 10.0	ug/L						
Hexachloroethane	< 10.0	ug/L						
Indeno(1,2,3-cd)pyrene	< 10.0	ug/L						
Isophorone	< 10.0	ug/L						
Naphthalene	< 10.0	ug/L						



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Revised Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B304836 - 04 SW 3510 (625/8270)								
Blank (B304836-BLK1)			Prepared: 04/02/13 Analyzed: 04/04/13					
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						
Surrogate: Nitrobenzene-d5	61	ug/L	80.00		76	22-105		
Surrogate: 2-Fluorobiphenyl	62	ug/L	80.00		77	30-97		
Surrogate: p-Terphenyl-d14	62	ug/L	80.00		77	22-115		
LCS (B304836-BS1)			Prepared: 04/02/13 Analyzed: 04/04/13					
1,2,4-Trichlorobenzene	55	ug/L	80.00		68	56-88		
1,2-Dichlorobenzene	51	ug/L	80.00		64	56-86		
1,3-Dichlorobenzene	51	ug/L	80.00		63	54-84		
1,4-Dichlorobenzene	51	ug/L	80.00		63	55-87		
2,4,5-Trichlorophenol	60	ug/L	80.00		75	54-107		
2,4,6-Trichlorophenol	58	ug/L	80.00		73	53-108		
2,4-Dichlorophenol	65	ug/L	80.00		81	57-100		
2,4-Dimethylphenol	64	ug/L	80.00		81	58-99		
2,4-Dinitrophenol	79	ug/L	80.00		98	41-122		
2,4-Dinitrotoluene	60	ug/L	80.00		75	46-100		
2,6-Dinitrotoluene	53	ug/L	80.00		66	53-100		
2-Chloronaphthalene	43	ug/L	80.00		54	54-90		
2-Chlorophenol	68	ug/L	80.00		85	59-97		
2-Methylphenol	68	ug/L	80.00		85	56-107		
2-Nitrophenol	59	ug/L	80.00		73	56-105		
3- & 4-Methylphenol	71	ug/L	80.00		88	56-100		
3,3'-Dichlorobenzidine	60	ug/L	80.00		75	50-107		
4,6-Dinitro-2-methylphenol	63	ug/L	80.00		79	51-102		
4-Bromophenylphenyl ether	46	ug/L	80.00		57	52-97		
4-Chloro-3-methylphenol	60	ug/L	80.00		75	58-102		
4-Chlorophenylphenyl ether	50	ug/L	80.00		62	52-98		
4-Nitrophenol	80	ug/L	80.00		99	47-114		
Acenaphthene	49	ug/L	80.00		61	54-93		
Acenaphthylene	48	ug/L	80.00		60	56-93		
Anthracene	54	ug/L	80.00		68	57-94		
Azobenzene	< 10.0	ug/L	80.00			44-98		
Benzidine	73	ug/L	80.00		91	10-68		



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Revised Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B304836 - 04 SW 3510 (625/8270)								
LCS (B304836-BS1)			Prepared: 04/02/13 Analyzed: 04/04/13					
Benzo(a)anthracene	45	ug/L	80.00		56	45-94		
Benzo(a)pyrene	77	ug/L	80.00		96	50-111		
Benzo(b&k)fluoranthene	< 10.0	ug/L	160.0			52-102		
Benzo(b)fluoranthene	71	ug/L	80.00		89	50-108		
Benzo(g,h,i)perylene	69	ug/L	80.00		87	45-102		
Benzo(k)fluoranthene	77	ug/L	80.00		96	50-98		
Benzoic Acid	< 10.0	ug/L	80.00			43-117		
Bis(2-chloroethoxy) methane	51	ug/L	80.00		64	52-89		
Bis(2-chloroethyl) ether	58	ug/L	80.00		73	55-88		
Bis(2-chloroisopropyl) ether	50	ug/L	80.00		63	37-81		
Bis(2-ethylhexyl) phthalate	58	ug/L	80.00		73	44-97		
Butyl benzyl phthalate	57	ug/L	80.00		72	44-96		
Chrysene	49	ug/L	80.00		61	50-100		
Dibenzo(a,h)anthracene	77	ug/L	80.00		96	53-99		
Diethyl phthalate	52	ug/L	80.00		65	53-92		
Dimethyl phthalate	54	ug/L	80.00		68	53-93		
Di-n-butyl phthalate	44	ug/L	80.00		56	55-96		
Di-n-octyl phthalate	56	ug/L	80.00		70	42-110		
Diphenylamine	43	ug/L	80.00		54	49-97		
Fluoranthene	46	ug/L	80.00		58	56-92		
Fluorene	51	ug/L	80.00		64	52-97		
Hexachlorobenzene	45	ug/L	80.00		57	51-98		
Hexachlorobutadiene	46	ug/L	80.00		58	54-92		
Hexachlorocyclopentadiene	54	ug/L	80.00		68	27-85		
Hexachloroethane	56	ug/L	80.00		70	56-83		
Indeno(1,2,3-cd)pyrene	81	ug/L	80.00		101	50-106		
Isophorone	45	ug/L	80.00		57	52-85		
Naphthalene	52	ug/L	80.00		65	59-87		
Nitrobenzene	52	ug/L	80.00		65	48-95		
N-Nitrosodimethylamine	54	ug/L	80.00		68	53-90		
N-Nitrosodi-n-propylamine	49	ug/L	80.00		61	47-87		
Pentachlorophenol	66	ug/L	80.00		82	49-128		
Phenanthrene	54	ug/L	80.00		67	55-95		
Phenol	64	ug/L	80.00		80	55-96		
Pyrene	49	ug/L	80.00		61	51-98		
Surrogate: Nitrobenzene-d5		60 ug/L	80.00		75	62.4-112		
Surrogate: 2-Fluorobiphenyl		60 ug/L	80.00		75	58-107		
Surrogate: p-Terphenyl-d14		57 ug/L	80.00		71	42.1-123		



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Revised Laboratory Results

Semivolatile Organics-TCLP - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305046 - 04 SW 3510 (M8270 TCLP)								
Blank (B305046-BLK1)			Prepared: 04/02/13 Analyzed: 04/05/13					
2,4,5-Trichlorophenol	< 100	ug/L						
2,4,6-Trichlorophenol	< 100	ug/L						
2,4-Dinitrotoluene	< 100	ug/L						
2-Methylphenol	< 100	ug/L						
3- & 4-Methylphenol	< 100	ug/L						
Hexachlorobenzene	< 100	ug/L						
Hexachlorobutadiene	< 100	ug/L						
Hexachloroethane	< 100	ug/L						
Nitrobenzene	< 100	ug/L						
Pentachlorophenol	< 100	ug/L						
Pyridine	< 100	ug/L						
<i>Surrogate: Nitrobenzene-d5</i>	470	ug/L	500.0		93	48-105		
<i>Surrogate: 2-Fluorobiphenyl</i>	440	ug/L	500.0		89	41-107		
<i>Surrogate: p-Terphenyl-d14</i>	440	ug/L	500.0		89	45-117		
LCS (B305046-BS1)			Prepared: 04/02/13 Analyzed: 04/05/13					
2,4,5-Trichlorophenol	707	ug/L	800.0		88	56-101		
2,4,6-Trichlorophenol	678	ug/L	800.0		85	60-100		
2,4-Dinitrotoluene	775	ug/L	800.0		97	55-108		
2-Methylphenol	656	ug/L	800.0		82	58-106		
3- & 4-Methylphenol	701	ug/L	800.0		88	56-104		
Hexachlorobenzene	602	ug/L	800.0		75	45-99		
Hexachlorobutadiene	698	ug/L	800.0		87	55-103		
Hexachloroethane	689	ug/L	800.0		86	53-101		
Nitrobenzene	720	ug/L	800.0		90	54-109		
Pentachlorophenol	818	ug/L	800.0		102	48-117		
Pyridine	458	ug/L	800.0		57	37-90		
<i>Surrogate: 2-Fluorophenol</i>	550	ug/L	800.0		69	42.9-95		
<i>Surrogate: Nitrobenzene-d5</i>	460	ug/L	500.0		92	58.3-111		
<i>Surrogate: 2-Fluorobiphenyl</i>	410	ug/L	500.0		81	53.4-104		
<i>Surrogate: 2,4,6-Tribromophenol</i>	650	ug/L	800.0		82	46.2-106		
<i>Surrogate: p-Terphenyl-d14</i>	420	ug/L	500.0		83	52.7-117		
Matrix Spike (B305046-MS1)			Source: 3040075-01			Prepared: 04/02/13 Analyzed: 04/05/13		
2,4,5-Trichlorophenol	655	ug/L	800.0	ND	82	49-100		
2,4,6-Trichlorophenol	634	ug/L	800.0	ND	79	50-101		
2,4-Dinitrotoluene	744	ug/L	800.0	ND	93	48-101		
2-Methylphenol	676	ug/L	800.0	167	64	48-102		
3- & 4-Methylphenol	10000000000	ug/L	800.0	516	NR	44-101		
Hexachlorobenzene	552	ug/L	800.0	ND	69	34-93		

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Revised Laboratory Results

Semivolatile Organics-TCLP - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305046 - 04 SW 3510 (M8270 TCLP)								
Matrix Spike (B305046-MS1)		Source: 3040075-01		Prepared: 04/02/13 Analyzed: 04/05/13				
Hexachlorobutadiene	666	ug/L	800.0	ND	83	37-100		
Hexachloroethane	563	ug/L	800.0	ND	70	41-92		
Nitrobenzene	767	ug/L	800.0	ND	96	35-114		
Pentachlorophenol	812	ug/L	800.0	ND	102	42-114		
Pyridine	445	ug/L	800.0	ND	56	18-96		
Surrogate: 2-Fluorophenol	520	ug/L	800.0		64	28-92		
Surrogate: Nitrobenzene-d5	530	ug/L	500.0		106	48-105		
Surrogate: 2-Fluorobiphenyl	390	ug/L	500.0		79	41-107		
Surrogate: 2,4,6-Tribromophenol	620	ug/L	800.0		78	36-108		
Surrogate: p-Terphenyl-d14	370	ug/L	500.0		74	45-117		

Herbicides- TCLP - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305109 - EPA 8151								
Blank (B305109-BLK1)		Prepared: 04/03/13 Analyzed: 04/04/13						
2,4-D	< 0.01	mg/L						
Silvex	< 0.005	mg/L						
Surrogate: DCAA	0.00237	mg/L	0.002000		118	10-175		
Blank (B305109-BLK2)		Prepared: 04/03/13 Analyzed: 04/04/13						
2,4-D	< 0.1	mg/L						
Silvex	< 0.05	mg/L						
Surrogate: DCAA	0.0121	mg/L	0.02000		60	10-175		
Blank (B305109-BLK3)		Prepared: 04/03/13 Analyzed: 04/04/13						
2,4-D	< 0.1	mg/L						
Silvex	< 0.05	mg/L						
Surrogate: DCAA	0.0170	mg/L	0.02000		85	10-175		
LCS (B305109-BS1)		Prepared: 04/03/13 Analyzed: 04/04/13						
2,4-D	0.001	mg/L	0.001500		80	19-199		
Silvex	0.001	mg/L	0.001500		97	41-125		
Surrogate: DCAA	0.00186	mg/L	0.002000		93	10-175		
Matrix Spike (B305109-MS1)		Source: 3033360-01		Prepared: 04/03/13 Analyzed: 04/04/13				
2,4-D	0.03	mg/L	0.01500	ND	183	21-210		
Silvex	0.02	mg/L	0.01500	ND	129	29-140		
Surrogate: DCAA	0.0131	mg/L	0.02000		66	10-175		

3040075



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/01/13 15:06
Report Date: 04/15/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Herbicides- TCLP - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305109 - EPA 8151								
Matrix Spike Dup (B305109-MSD1)		Source: 3033360-01		Prepared: 04/03/13 Analyzed: 04/05/13				
2,4-D	0.02	mg/L	0.01500	ND	119	21-210	42	40
Silvex	0.02	mg/L	0.01500	ND	104	29-140	22	40
Surrogate: DCAA	0.0126	mg/L	0.02000		63	10-175		

Pesticides-TCLP - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305106 - EPA 608/8081/8082/8141								
Blank (B305106-BLK1)		Prepared: 04/03/13 Analyzed: 04/04/13						
Chlordane (technical)	< 0.001	mg/L						
Endrin	< 0.00005	mg/L						
gamma-BHC (Lindane)	< 0.00005	mg/L						
Heptachlor	< 0.00005	mg/L						
Heptachlor epoxide	< 0.00005	mg/L						
Methoxychlor	< 0.0002	mg/L						
Toxaphene	< 0.001	mg/L						
Surrogate: TCMX	0.00038	mg/L	5.000E-4		77	46-112		
Surrogate: DCBP	0.00043	mg/L	5.000E-4		86	10-127		
Blank (B305106-BLK2)		Prepared: 04/03/13 Analyzed: 04/04/13						
Chlordane (technical)	< 0.010	mg/L						
Endrin	< 0.0005	mg/L						
gamma-BHC (Lindane)	< 0.0005	mg/L						
Heptachlor	< 0.0005	mg/L						
Heptachlor epoxide	< 0.0005	mg/L						
Methoxychlor	< 0.002	mg/L						
Toxaphene	< 0.010	mg/L						
Surrogate: TCMX	0.0040	mg/L	0.005000		79	46-112		
Surrogate: DCBP	0.0048	mg/L	0.005000		96	10-127		
Blank (B305106-BLK3)		Prepared: 04/03/13 Analyzed: 04/05/13						
Chlordane (technical)	< 0.010	mg/L						
Endrin	< 0.0005	mg/L						
gamma-BHC (Lindane)	< 0.0005	mg/L						
Heptachlor	< 0.0005	mg/L						
Heptachlor epoxide	< 0.0005	mg/L						
Methoxychlor	< 0.002	mg/L						
Toxaphene	< 0.010	mg/L						



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St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/01/13 15:06
Report Date: 04/15/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Pesticides-TCLP - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305106 - EPA 608/8081/8082/8141								
Blank (B305106-BLK3)			Prepared: 04/03/13 Analyzed: 04/05/13					
Surrogate: TCMX	0.0050	mg/L	0.005000		99	46-112		
Surrogate: DCBP	0.0055	mg/L	0.005000		110	10-127		
LCS (B305106-BS1)			Prepared: 04/03/13 Analyzed: 04/05/13					
Chlordane (technical)	< 0.001	mg/L				43.1-119		
Endrin	0.0008	mg/L	8.000E-4		104	63-119		
gamma-BHC (Lindane)	0.0008	mg/L	8.000E-4		105	62-113		
Heptachlor	0.0008	mg/L	8.000E-4		101	58-110		
Heptachlor epoxide	0.0008	mg/L	8.000E-4		106	64-113		
Methoxychlor	0.004	mg/L	0.003200		111	66-116		
Toxaphene	< 0.001	mg/L				10-93.8		
Surrogate: TCMX	0.00043	mg/L	5.000E-4		85	46-112		
Surrogate: DCBP	0.00042	mg/L	5.000E-4		85	10-127		
Reference (B305106-SRM1)			Prepared: 04/03/13 Analyzed: 04/05/13					
Chlordane (technical)	0.003	mg/L	0.001600		182	0-200		
Toxaphene	0.005	mg/L	0.003200		156	0-200		
Surrogate: TCMX	0.0	mg/L	5.000E-4			46-112		
Surrogate: DCBP	0.0	mg/L	5.000E-4			10-127		



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Revised Laboratory Results

Notes

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

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

- PIA PDC Laboratories - Peoria, IL
NELAC Accreditation for Drinking Water, Wastewater, Hazardous and Solid Wastes Fields of Testing through IL EPA Lab No. 100230
Illinois Department of Public Health Bacteriological Analysis in Drinking Water Approved Laboratory Registry No. 17553
Drinking Water Certifications: Kansas (E-10338); Missouri (870); Wisconsin (998284430); Indiana (C-IL-040); Iowa (240)
Wastewater Certifications: Arkansas (88-0677); Wisconsin (998284430); Iowa (240); Kansas (E-10335)
Hazardous/Solid Waste Certifications: Arkansas (88-0677); Wisconsin (998284430); Iowa (240); Kansas (E-10335)
UST Certification; Iowa (240)
- SPM PDC Laboratories - Springfield, MO
EPA DMR-QA Program
- STL PDC Laboratories - St. Louis, MO
NELAC Accreditation for Wastewater, Hazardous and Solid Wastes Fields of Testing
Drinking Water Certifications: Kansas (E-10389)

- S Surrogate compound diluted below a reliable quantitation level.
- Q1 MS Failed %R
- H Test performed after the expiration of the appropriate regulatory/advisory maximum allowable hold time.

Certified by: 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 Bridgeton L.F.		PROJECT NUMBER	P. O. NUMBER	MEANS SHIPPED Delivered		3 ANALYSIS REQUESTED					4 (FOR LAB USE ONLY) LOGIN # <u>3040075</u> LOGGED BY: <u>HE</u> LAB PROJ. # TEMPLATE: PROJ. MGR.:		
ADDRESS 13574 St. Charles Rock Road		PHONE NUMBER (573) 638-5024	FAX NUMBER	EMAIL ADDRESS egalbraith@air.com		TCLP Metals TCLP Volatiles TCLP Semi-Volatiles TCLP Pesticides TCLP Herbicides VOCs (8260) + Vapor Phase Org. (or date) SVOCs (8270)	MATRIX TYPES: WW-WASTEWATER DW-DRINKING WATER GW-GROUND WATER WWSL-SLUDGE NAS-SOLID LCHL-LEACHATE NAL-NONAQUEOUS SOIL-SOILS					REMARKS	
CITY Bridgeton, Mo 63044		SAMPLER SCOTT C. Fedak		CONTACT PERSON Ed Galbraith									
STATE Mo		SAMPLER'S SIGNATURE Scott C. Fedak											
ZIP 63044													
2 SAMPLE DESCRIPTION AS YOU WANT ON REPORT		DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	MATRIX COMP TYPE	Bottle Count							
Treated Condensate TCLP		3-29-13	1715	X	LCHL	5	X	X	X	X			
Treated Condensate VOA/SVOC 1			1730			4					X	X	
Treated Condensate VOA/SVOC 2			1745			4					X	X	
Treated Condensate VOA/SVOC 3			1800			4					X	X	
Treated Condensate VOA/SVOC 4			1830			4					X	X	
Trip Blank		--	--	--	--	3					X		
5 TURNAROUND TIME (RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE) NORMAL (8-10 Bus. Days) <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: E-MAIL FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE		6											
7 RELINQUISHED BY: (SIGNATURE) Scott C. Fedak		DATE	TIME	RECEIVED BY:		DATE	TIME	8 COMMENTS: (FOR LAB USE ONLY)					
RELINQUISHED BY: (SIGNATURE) Mike A. ...		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) Richard ...		DATE	TIME	RECEIVED BY:		DATE	TIME						
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY:		DATE	TIME						

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

SUBCONTRACT ORDER

PDC Laboratories, Inc.

3040075

mf

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

RECEIVING LABORATORY:

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

Date Shipped 4/2/13
 Sample Origin (State) MO
 PO# _____
 Total # of Containers 2

Analysis	Due	Expires	Comments
Sample ID: 3040075-01	Water	Sampled: 03/29/13 17:15	
SW 1311 - TCLP Organics	04/04/13 16:00	04/26/13 17:15	All TCLP tumbled at STL
M8151TCLP	04/04/13 16:00	04/05/13 17:15	
M8081TCLP	04/04/13 16:00	04/05/13 17:15	

Turn-Around Time Requested (circle one): NORMAL RUSH Date Results Needed: 4/4/13

Relinquished By	Date/Time	Received By	Date/Time	Sample Temperature Upon Receipt	<u>S</u> C
<i>Heather Calvert</i>	<u>4/1/13</u>	<i>Alan R. ...</i>	<u>4-3-13 09:20</u>	Sample(s) Received on Ice	Y or N
				Proper Bottles Received in Good Condition	Y or N
				Bottles Filled with Adequate Volume	Y or N
				Samples Received Within Hold Time	Y or N
				Date/Time Taken From Sample Bottle	Y or N

SUBCONTRACT ORDER

PDC Laboratories, Inc.

3040075

MS

SENDING LABORATORY:

- PDC Laboratories, Inc, 2231 W Allorfer 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 4/8/13
 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: 3040075-01	Water	Sampled:03/29/13 17:15	
PDC	04/04/13 16:00	04/26/13 17:15	
M8151TCLP	04/04/13 16:00	04/05/13 17:15	
M8081TCLP	04/04/13 16:00	04/05/13 17:15	
SW 1311 - TCLP Organics	04/04/13 16:00	04/26/13 17:15	All TCLP tumbled at STL
M8270-TCLP	04/04/13 16:00	04/05/13 17:15	Sample already tumbled & extracted
Sample ID: 3040075-02	Water	Sampled:03/29/13 17:30	
M8270	04/04/13 16:00	04/05/13 17:30	Sample already extracted
Sample ID: 3040075-03	Water	Sampled:03/29/13 17:45	
M8270	04/04/13 16:00	04/05/13 17:45	Sample already extracted
Sample ID: 3040075-04	Water	Sampled:03/29/13 18:04	
M8270	04/04/13 16:00	04/05/13 18:04	Sample already extracted

Turn-Around Time Requested (circle one): NORMAL RUSH Date Results Needed: ASAP

Relinquished By <u>Heather Carhart</u>	Date/Time <u>4/8/13</u>	Received By <u>Melissa Juby</u>	Date/Time <u>4/9/13</u>	Sample Temperature Upon Receipt <u>P</u>	<u>C</u>
				Sample(s) Received on Ice	<input checked="" type="radio"/> Y or N
				Proper Bottles Received in Good Condition	<input checked="" type="radio"/> Y or N
				Bottles Filled with Adequate Volume	<input checked="" type="radio"/> Y or N
				Samples Received Within Hold Time	<input checked="" type="radio"/> Y or N
				Date/Time Taken From Sample Bottle	<input checked="" type="radio"/> Y or N



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 03/29/13 15:15
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3033360-01**
Sample Description: **Untreated Condensate TCLP**

Collect Date: **03/28/13 22:45**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
General Chemistry - PIA					
Total Organic Carbon (TOC)	18000 mg/L		04/11/13 16:16	Igtas	5310C KS,IL,IA,WI,AR
Herbicides- TCLP - PIA					
2,4-D	< 0.1 mg/L		04/05/13 01:19	ELS	SW 8151A IL,KS,IA
Silvex	< 0.05 mg/L		04/05/13 01:19	ELS	SW 8151A IL,KS,IA
Pesticides-TCLP - PIA					
Chlordane (technical)	< 0.010 mg/L		04/05/13 02:37	JMT	SW 8081A IA,IL,KS
Endrin	< 0.0005 mg/L		04/05/13 02:37	JMT	SW 8081A IA,IL,KS
gamma-BHC (Lindane)	< 0.0005 mg/L		04/05/13 02:37	JMT	SW 8081A IA,IL,KS
Heptachlor	< 0.0005 mg/L		04/05/13 02:37	JMT	SW 8081A IA,IL,KS
Heptachlor epoxide	< 0.0005 mg/L		04/05/13 02:37	JMT	SW 8081A IA,IL,KS
Methoxychlor	< 0.002 mg/L		04/05/13 02:37	JMT	SW 8081A IA,IL,KS
Toxaphene	< 0.010 mg/L		04/05/13 02:37	JMT	SW 8081A IA,IL,KS
Semivolatile Organics-TCLP - STL					
2,4,5-Trichlorophenol	< 100 ug/L		04/04/13 19:07	PSB	SW 8270C 04KS
2,4,6-Trichlorophenol	< 100 ug/L		04/04/13 19:07	PSB	SW 8270C 04KS
2,4-Dinitrotoluene	< 100 ug/L		04/04/13 19:07	PSB	SW 8270C 04KS
2-Methylphenol	120 ug/L		04/04/13 19:07	PSB	SW 8270C 04KS
3- & 4-Methylphenol	410 ug/L		04/04/13 19:07	PSB	SW 8270C 04KS
Hexachlorobenzene	< 100 ug/L		04/04/13 19:07	PSB	SW 8270C 04KS
Hexachlorobutadiene	< 100 ug/L		04/04/13 19:07	PSB	SW 8270C 04KS
Hexachloroethane	< 100 ug/L		04/04/13 19:07	PSB	SW 8270C 04KS
Nitrobenzene	< 100 ug/L		04/04/13 19:07	PSB	SW 8270C 04KS
Pentachlorophenol	< 100 ug/L		04/04/13 19:07	PSB	SW 8270C 04KS
Pyridine	< 100 ug/L		04/04/13 19:07	PSB	SW 8270C 04KS
Surrogate: 2-Fluorophenol	118 % 28-92		04/04/13 19:07	PSB	SW 8270C
Surrogate: Nitrobenzene-d5	97 % 48-105		04/04/13 19:07	PSB	SW 8270C
Surrogate: 2-Fluorobiphenyl	80 % 41-107		04/04/13 19:07	PSB	SW 8270C
Surrogate: 2,4,6-Tribromophenol	129 % 36-108		04/04/13 19:07	PSB	SW 8270C
Surrogate: p-Terphenyl-d14	81 % 45-117		04/04/13 19:07	PSB	SW 8270C
TCLP - STL					
Final pH	4.9		04/01/13 07:43	MEP	SW 1311*



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Date Received: 03/29/13 15:15
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3033360-01**
Sample Description: **Untreated Condensate TCLP**

Collect Date: **03/28/13 22:45**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>TCLP Metals - STL</u>					
Final pH	4.9		04/01/13 07:43	MEP	SW 1311 04KS
Mercury	0.0007 mg/L		04/02/13 13:05	WPS	SW 7470A 04KS
Arsenic	0.055 mg/L		04/01/13 13:23	WPS	SW 6010B 04KS
Barium	0.17 mg/L		04/01/13 13:23	WPS	SW 6010B 04KS
Cadmium	< 0.0040 mg/L		04/01/13 13:23	WPS	SW 6010B 04KS
Chromium	0.012 mg/L		04/01/13 13:23	WPS	SW 6010B 04KS
Lead	< 0.020 mg/L		04/01/13 13:23	WPS	SW 6010B 04KS
Selenium	< 0.020 mg/L		04/01/13 13:23	WPS	SW 6010B 04KS
Silver	< 0.0030 mg/L		04/01/13 13:23	WPS	SW 6010B 04KS
<u>Volatile Organics- TCLP - STL</u>					
1,1-Dichloroethene	< 200 ug/L		04/02/13 15:25	BP	SW 8260B*
1,2-Dichloroethane	< 200 ug/L		04/02/13 15:25	BP	SW 8260B*
1,4-Dichlorobenzene	< 200 ug/L		04/02/13 15:25	BP	SW 8260B*
2-Butanone	2300 ug/L		04/02/13 15:25	BP	SW 8260B*
Benzene	< 200 ug/L		04/02/13 15:25	BP	SW 8260B*
Carbon tetrachloride	< 200 ug/L		04/02/13 15:25	BP	SW 8260B*
Chlorobenzene	< 200 ug/L		04/02/13 15:25	BP	SW 8260B*
Chloroform	< 200 ug/L		04/02/13 15:25	BP	SW 8260B*
Tetrachloroethene	< 200 ug/L		04/02/13 15:25	BP	SW 8260B*
Trichloroethene	< 200 ug/L		04/02/13 15:25	BP	SW 8260B*
Vinyl chloride	< 200 ug/L		04/02/13 15:25	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	100 % 59.4-135		04/02/13 15:25	BP	SW 8260B
Surrogate: Toluene-d8	96 % 77.7-111		04/02/13 15:25	BP	SW 8260B
Surrogate: Bromofluorobenzene	103 % 74-125		04/02/13 15:25	BP	SW 8260B

Sample No: **3033360-02**
Sample Description: **Untreated Condensate Voa/Svoc 1**

Collect Date: **03/28/13 23:15**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>General Chemistry - PIA</u>					
Total Organic Carbon (TOC)	18000 mg/L		04/15/13 17:31	Igtas	5310C KS,IL,IA,WI,AR



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St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 03/29/13 15:15
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3033360-02**

Collect Date: **03/28/13 23:15**

Sample Description: **Untreated Condensate Voa/Svoc 1**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL						
1,2,4-Trichlorobenzene	< 1000 ug/L	S	04/08/13 10:29	PSB	SW 8270C	04KS
1,2-Dichlorobenzene	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C	04KS
1,3-Dichlorobenzene	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C	04KS
1,4-Dichlorobenzene	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C	04KS
2,4,5-Trichlorophenol	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C	04KS
2,4,6-Trichlorophenol	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C	04KS
2,4-Dichlorophenol	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C	04KS
2,4-Dimethylphenol	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C	04KS
2,4-Dinitrophenol	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C	04KS
2,4-Dinitrotoluene	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C	04KS
2,6-Dimethylaniline	< 500 ug/L		04/08/13 10:29	PSB	SW 8270C*	
2,6-Dinitrotoluene	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C	04KS
2-Chloronaphthalene	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C	04KS
2-Chlorophenol	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C	04KS
2-Methylnaphthalene	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C	04KS
2-Methylphenol	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C	04KS
2-Nitroaniline	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C	04KS
2-Nitrophenol	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C	04KS
3- & 4-Methylphenol	1900 ug/L		04/08/13 10:29	PSB	SW 8270C	04KS
3,3'-Dichlorobenzidine	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C	04KS
3-Nitroaniline	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C	04KS
4,6-Dinitro-2-methylphenol	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C	04KS
4-Bromophenylphenyl ether	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C	04KS
4-Chloro-3-methylphenol	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C	04KS
4-Chloroaniline	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C	04KS
4-Chlorophenylphenyl ether	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C	04KS
4-Nitroaniline	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C	04KS
4-Nitrophenol	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C	04KS
Acenaphthene	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C	04KS
Acenaphthylene	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C	04KS
Aniline	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C	04KS
Anthracene	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C	04KS
Azobenzene	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C*	



PDC Laboratories, Inc.

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



Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 03/29/13 15:15
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3033360-02**
Sample Description: **Untreated Condensate Voa/Svoc 1**

Collect Date: **03/28/13 23:15**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
Benzidine	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C*
Benzo(a)anthracene	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C 04KS
Benzo(a)pyrene	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C 04KS
Benzo(b&k)fluoranthene	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C 04KS
Benzo(b)fluoranthene	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C 04KS
Benzo(g,h,i)perylene	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C 04KS
Benzo(k)fluoranthene	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C 04KS
Benzoic Acid	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C*
Benzyl alcohol	2160 ug/L		04/08/13 10:29	PSB	SW 8270C 04KS
Bis(2-chloroethoxy) methane	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C 04KS
Bis(2-chloroethyl) ether	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C 04KS
Bis(2-chloroisopropyl) ether	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C*
Bis(2-ethylhexyl) phthalate	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C 04KS
Butyl benzyl phthalate	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C 04KS
Carbazole	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C*
Chrysene	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C 04KS
Dibenzo(a,h)anthracene	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C 04KS
Dibenzofuran	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C 04KS
Diethyl phthalate	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C 04KS
Dimethyl phthalate	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C 04KS
Di-n-butyl phthalate	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C 04KS
Di-n-octyl phthalate	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C 04KS
Diphenylamine	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C 04KS
Fluoranthene	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C 04KS
Fluorene	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C 04KS
Hexachlorobenzene	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C 04KS
Hexachlorobutadiene	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C 04KS
Hexachlorocyclopentadiene	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C 04KS
Hexachloroethane	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C 04KS
Indeno(1,2,3-cd)pyrene	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C 04KS
Isophorone	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C 04KS
Naphthalene	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C 04KS
Nitrobenzene	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 03/29/13 15:15
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3033360-02**
Sample Description: **Untreated Condensate Voa/Svoc 1**

Collect Date: **03/28/13 23:15**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
N-Nitrosodimethylamine	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C 04KS
N-Nitrosodi-n-propylamine	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C 04KS
Pentachlorophenol	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C 04KS
Phenanthrene	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C 04KS
Phenol	4580 ug/L		04/08/13 10:29	PSB	SW 8270C 04KS
Pyrene	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C 04KS
Pyridine	< 1000 ug/L		04/08/13 10:29	PSB	SW 8270C 04KS
Surrogate: 2-Fluorophenol	% 10-35	S	04/08/13 10:29	PSB	SW 8270C
Surrogate: Nitrobenzene-d5	% 22-105	S	04/08/13 10:29	PSB	SW 8270C
Surrogate: 2-Fluorobiphenyl	57 % 30-97	S	04/08/13 10:29	PSB	SW 8270C
Surrogate: 2,4,6-Tribromophenol	124 % 10-93	S	04/08/13 10:29	PSB	SW 8270C
Surrogate: p-Terphenyl-d14	59 % 22-115	S	04/08/13 10:29	PSB	SW 8270C
Volatile Organics - STL					
1,1,1,2-Tetrachloroethane	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
1,1,1-Trichloroethane	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
1,1,2,2-Tetrachloroethane	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 100 ug/L		04/02/13 23:52	BP	SW 8260B*
1,1,2-Trichloroethane	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
1,1-Dichloroethane	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
1,1-Dichloroethene	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
1,1-Dichloropropene	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
1,2,3-Trichlorobenzene	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
1,2,3-Trichloropropane	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
1,2,4-Trichlorobenzene	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
1,2,4-Trimethylbenzene	1000 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
1,2-Dibromo-3-chloropropane	< 100 ug/L		04/02/13 23:52	BP	SW 8260B*
1,2-Dibromoethane	< 100 ug/L		04/02/13 23:52	BP	SW 8260B*
1,2-Dichloroethene- Total	< 200 ug/L		04/02/13 23:52	BP	SW 8260B*
1,2-Dichlorobenzene	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
1,2-Dichloroethane	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
1,2-Dichloropropane	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
1,3,5-Trimethylbenzene	210 ug/L		04/02/13 23:52	BP	SW 8260B 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 03/29/13 15:15
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3033360-02**

Collect Date: **03/28/13 23:15**

Sample Description: **Untreated Condensate Voa/Svoc 1**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
1,3-Dichlorobenzene	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
1,3-Dichloropropane	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
1,3-Dichloropropene - Total	< 200 ug/L		04/02/13 23:52	BP	SW 8260B*
1,4-Dichlorobenzene	810 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
1,4-Dioxane	< 500 ug/L		04/02/13 23:52	BP	SW 8260B*
2,2-Dichloropropane	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
2-Butanone	46000 ug/L		04/02/13 21:38	BP	SW 8260B 04KS
2-Chloroethylvinyl ether	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
2-Chlorotoluene	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
2-Hexanone	1100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
2-Nitropropane	< 200 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
4-Chlorotoluene	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
4-Methyl-2-pentanone (MIBK)	860 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
Acetone	150000 ug/L		04/02/13 21:38	BP	SW 8260B 04KS
Acetonitrile	< 500 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
Acrolein	< 500 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
Acrylonitrile	< 200 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
Allyl Chloride	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
Benzene	650 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
Bromobenzene	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
Bromochloromethane	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
Bromodichloromethane	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
Bromoform	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
Bromomethane	< 200 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
Carbon disulfide	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
Carbon tetrachloride	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
Chlorobenzene	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
Chloroethane	< 200 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
Chloroform	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
Chloromethane	< 200 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
cis-1,2-Dichloroethene	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
cis-1,3-Dichloropropene	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
Dibromochloromethane	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 03/29/13 15:15
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3033360-02**

Collect Date: **03/28/13 23:15**

Sample Description: **Untreated Condensate Voa/Svoc 1**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
Dibromomethane	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
Dichlorodifluoromethane	< 200 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
Ethyl methacrylate	< 100 ug/L		04/02/13 23:52	BP	SW 8260B*
Ethylbenzene	230 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
Hexachlorobutadiene	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
Iodomethane	< 200 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
Isobutanol	68000 ug/L		04/02/13 21:38	BP	SW 8260B*
Isopropylbenzene	110 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
m,p-Xylene	510 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
Methacrylonitrile	< 100 ug/L		04/02/13 23:52	BP	SW 8260B*
Methyl methacrylate	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
Methylene chloride	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
MTBE	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
Naphthalene	1500 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
n-Butylbenzene	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
n-Propylbenzene	120 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
o-Xylene	260 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
p-Isopropyl toluene	3600 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
Propionitrile	< 200 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
sec-Butylbenzene	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
Styrene	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
tert-Butylbenzene	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
Tetrachloroethene	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
Toluene	230 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
trans-1,2-Dichloroethene	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
trans-1,3-Dichloropropene	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
trans-1,4-Dichloro-2-butene	< 100 ug/L		04/02/13 23:52	BP	SW 8260B*
Trichloroethene	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
Trichlorofluoromethane	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
Vinyl acetate	< 200 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
Vinyl chloride	< 100 ug/L		04/02/13 23:52	BP	SW 8260B 04KS
Xylenes- Total	770 ug/L		04/02/13 23:52	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	93 % 65-134		04/02/13 23:52	BP	SW 8260B



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 03/29/13 15:15
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3033360-02**
Sample Description: **Untreated Condensate Voa/Svoc 1**

Collect Date: **03/28/13 23:15**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - STL</u>					
Surrogate: Bromofluorobenzene	78 % 75.1-125		04/02/13 23:52	BP	SW 8260B
Surrogate: Toluene-d8	90 % 74.2-117		04/02/13 23:52	BP	SW 8260B

Sample No: **3033360-03**
Sample Description: **Untreated Condensate Voa/Svoc 2**

Collect Date: **03/28/13 23:54**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>General Chemistry - PIA</u>					
Total Organic Carbon (TOC)	18000 mg/L		04/15/13 17:38	Igtas	5310C KS,IL,IA,WI,AR
<u>Semivolatile Organics - STL</u>					
1,2,4-Trichlorobenzene	< 1000 ug/L	S	04/08/13 10:55	PSB	SW 8270C 04KS
1,2-Dichlorobenzene	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
1,3-Dichlorobenzene	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
1,4-Dichlorobenzene	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
2,4,5-Trichlorophenol	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
2,4,6-Trichlorophenol	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
2,4-Dichlorophenol	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
2,4-Dimethylphenol	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
2,4-Dinitrophenol	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
2,4-Dinitrotoluene	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
2,6-Dimethylaniline	< 500 ug/L		04/08/13 10:55	PSB	SW 8270C* 04KS
2,6-Dinitrotoluene	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
2-Chloronaphthalene	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
2-Chlorophenol	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
2-Methylnaphthalene	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
2-Methylphenol	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
2-Nitroaniline	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
2-Nitrophenol	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
3- & 4-Methylphenol	1500 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
3,3'-Dichlorobenzidine	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
3-Nitroaniline	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 03/29/13 15:15
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3033360-03**

Collect Date: **03/28/13 23:54**

Sample Description: **Untreated Condensate Voa/Svoc 2**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
4,6-Dinitro-2-methylphenol	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
4-Bromophenylphenyl ether	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
4-Chloro-3-methylphenol	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
4-Chloroaniline	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
4-Chlorophenylphenyl ether	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
4-Nitroaniline	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
4-Nitrophenol	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
Acenaphthene	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
Acenaphthylene	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
Aniline	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
Anthracene	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
Azobenzene	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C*
Benzidine	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C*
Benzo(a)anthracene	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
Benzo(a)pyrene	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
Benzo(b&k)fluoranthene	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
Benzo(b)fluoranthene	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
Benzo(g,h,i)perylene	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
Benzo(k)fluoranthene	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
Benzoic Acid	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C*
Benzyl alcohol	1640 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
Bis(2-chloroethoxy) methane	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
Bis(2-chloroethyl) ether	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
Bis(2-chloroisopropyl) ether	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C*
Bis(2-ethylhexyl) phthalate	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
Butyl benzyl phthalate	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
Carbazole	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C*
Chrysene	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
Dibenzo(a,h)anthracene	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
Dibenzofuran	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
Diethyl phthalate	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
Dimethyl phthalate	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
Di-n-butyl phthalate	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 03/29/13 15:15
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3033360-03**

Collect Date: **03/28/13 23:54**

Sample Description: **Untreated Condensate Voa/Svoc 2**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
Di-n-octyl phthalate	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
Diphenylamine	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
Fluoranthene	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
Fluorene	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
Hexachlorobenzene	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
Hexachlorobutadiene	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
Hexachlorocyclopentadiene	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
Hexachloroethane	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
Indeno(1,2,3-cd)pyrene	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
Isophorone	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
Naphthalene	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
Nitrobenzene	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
N-Nitrosodimethylamine	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
N-Nitrosodi-n-propylamine	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
Pentachlorophenol	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
Phenanthrene	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
Phenol	3740 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
Pyrene	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
Pyridine	< 1000 ug/L		04/08/13 10:55	PSB	SW 8270C 04KS
Surrogate: 2-Fluorophenol	% 10-35	S	04/08/13 10:55	PSB	SW 8270C
Surrogate: Nitrobenzene-d5	42 % 22-105	S	04/08/13 10:55	PSB	SW 8270C
Surrogate: 2-Fluorobiphenyl	44 % 30-97	S	04/08/13 10:55	PSB	SW 8270C
Surrogate: 2,4,6-Tribromophenol	121 % 10-93	S	04/08/13 10:55	PSB	SW 8270C
Surrogate: p-Terphenyl-d14	45 % 22-115	S	04/08/13 10:55	PSB	SW 8270C
Volatile Organics - STL					
1,1,1,2-Tetrachloroethane	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
1,1,1-Trichloroethane	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
1,1,2,2-Tetrachloroethane	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 100 ug/L		04/03/13 00:20	BP	SW 8260B*
1,1,2-Trichloroethane	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
1,1-Dichloroethane	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
1,1-Dichloroethene	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 03/29/13 15:15
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3033360-03**

Collect Date: **03/28/13 23:54**

Sample Description: **Untreated Condensate Voa/Svoc 2**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
1,1-Dichloropropene	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
1,2,3-Trichlorobenzene	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
1,2,3-Trichloropropane	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
1,2,4-Trichlorobenzene	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
1,2,4-Trimethylbenzene	910 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
1,2-Dibromo-3-chloropropane	< 100 ug/L		04/03/13 00:20	BP	SW 8260B*
1,2-Dibromoethane	< 100 ug/L		04/03/13 00:20	BP	SW 8260B*
1,2-Dichloroethene- Total	< 200 ug/L		04/03/13 00:20	BP	SW 8260B*
1,2-Dichlorobenzene	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
1,2-Dichloroethane	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
1,2-Dichloropropane	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
1,3,5-Trimethylbenzene	200 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
1,3-Dichlorobenzene	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
1,3-Dichloropropane	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
1,3-Dichloropropene - Total	< 200 ug/L		04/03/13 00:20	BP	SW 8260B*
1,4-Dichlorobenzene	710 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
1,4-Dioxane	< 500 ug/L		04/03/13 00:20	BP	SW 8260B*
2,2-Dichloropropane	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
2-Butanone	44000 ug/L		04/02/13 22:06	BP	SW 8260B 04KS
2-Chloroethylvinyl ether	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
2-Chlorotoluene	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
2-Hexanone	1100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
2-Nitropropane	< 200 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
4-Chlorotoluene	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
4-Methyl-2-pentanone (MIBK)	850 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
Acetone	130000 ug/L		04/02/13 22:06	BP	SW 8260B 04KS
Acetonitrile	< 500 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
Acrolein	< 500 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
Acrylonitrile	< 200 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
Allyl Chloride	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
Benzene	660 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
Bromobenzene	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
Bromochloromethane	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 03/29/13 15:15
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3033360-03**

Collect Date: **03/28/13 23:54**

Sample Description: **Untreated Condensate Voa/Svoc 2**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
Bromodichloromethane	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
Bromoform	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
Bromomethane	< 200 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
Carbon disulfide	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
Carbon tetrachloride	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
Chlorobenzene	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
Chloroethane	< 200 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
Chloroform	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
Chloromethane	< 200 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
cis-1,2-Dichloroethene	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
cis-1,3-Dichloropropene	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
Dibromochloromethane	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
Dibromomethane	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
Dichlorodifluoromethane	< 200 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
Ethyl methacrylate	< 100 ug/L		04/03/13 00:20	BP	SW 8260B*
Ethylbenzene	230 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
Hexachlorobutadiene	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
Iodomethane	< 200 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
Isobutanol	66000 ug/L		04/02/13 22:06	BP	SW 8260B*
Isopropylbenzene	100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
m,p-Xylene	520 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
Methacrylonitrile	< 100 ug/L		04/03/13 00:20	BP	SW 8260B*
Methyl methacrylate	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
Methylene chloride	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
MTBE	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
Naphthalene	1300 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
n-Butylbenzene	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
n-Propylbenzene	110 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
o-Xylene	260 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
p-Isopropyl toluene	3300 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
Propionitrile	< 200 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
sec-Butylbenzene	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
Styrene	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 03/29/13 15:15
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3033360-03**

Collect Date: **03/28/13 23:54**

Sample Description: **Untreated Condensate Voa/Svoc 2**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
tert-Butylbenzene	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
Tetrachloroethene	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
Toluene	220 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
trans-1,2-Dichloroethene	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
trans-1,3-Dichloropropene	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
trans-1,4-Dichloro-2-butene	< 100 ug/L		04/03/13 00:20	BP	SW 8260B*
Trichloroethene	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
Trichlorofluoromethane	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
Vinyl acetate	< 200 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
Vinyl chloride	< 100 ug/L		04/03/13 00:20	BP	SW 8260B 04KS
Xylenes- Total	780 ug/L		04/03/13 00:20	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	99 % 65-134		04/03/13 00:20	BP	SW 8260B
Surrogate: Bromofluorobenzene	76 % 75.1-125		04/03/13 00:20	BP	SW 8260B
Surrogate: Toluene-d8	90 % 74.2-117		04/03/13 00:20	BP	SW 8260B

Sample No: **3033360-04**

Collect Date: **03/29/13 00:15**

Sample Description: **Untreated Condensate Voa/Svoc 3**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
General Chemistry - PIA					
Total Organic Carbon (TOC)	18000 mg/L		04/15/13 17:45	Igtas	5310C KS,IL,IA,WI,AR
Semivolatile Organics - STL					
1,2,4-Trichlorobenzene	< 1000 ug/L	S	04/08/13 11:25	PSB	SW 8270C 04KS
1,2-Dichlorobenzene	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
1,3-Dichlorobenzene	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
1,4-Dichlorobenzene	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
2,4,5-Trichlorophenol	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
2,4,6-Trichlorophenol	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
2,4-Dichlorophenol	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
2,4-Dimethylphenol	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
2,4-Dinitrophenol	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS

3033360



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Date Received: 03/29/13 15:15
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3033360-04**

Collect Date: **03/29/13 00:15**

Sample Description: **Untreated Condensate Voa/Svoc 3**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
2,4-Dinitrotoluene	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
2,6-Dimethylaniline	< 500 ug/L		04/08/13 11:25	PSB	SW 8270C*
2,6-Dinitrotoluene	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
2-Chloronaphthalene	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
2-Chlorophenol	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
2-Methylnaphthalene	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
2-Methylphenol	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
2-Nitroaniline	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
2-Nitrophenol	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
3- & 4-Methylphenol	1880 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
3,3'-Dichlorobenzidine	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
3-Nitroaniline	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
4,6-Dinitro-2-methylphenol	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
4-Bromophenylphenyl ether	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
4-Chloro-3-methylphenol	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
4-Chloroaniline	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
4-Chlorophenylphenyl ether	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
4-Nitroaniline	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
4-Nitrophenol	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
Acenaphthene	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
Acenaphthylene	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
Aniline	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
Anthracene	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
Azobenzene	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C*
Benzidine	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C*
Benzo(a)anthracene	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
Benzo(a)pyrene	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
Benzo(b&k)fluoranthene	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
Benzo(b)fluoranthene	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
Benzo(g,h,i)perylene	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
Benzo(k)fluoranthene	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
Benzoic Acid	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C*
Benzyl alcohol	1970 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS



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Attn: Sean Torrey

Date Received: 03/29/13 15:15
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3033360-04**

Collect Date: **03/29/13 00:15**

Sample Description: **Untreated Condensate Voa/Svoc 3**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
Bis(2-chloroethoxy) methane	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
Bis(2-chloroethyl) ether	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
Bis(2-chloroisopropyl) ether	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C*
Bis(2-ethylhexyl) phthalate	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
Butyl benzyl phthalate	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
Carbazole	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C*
Chrysene	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
Dibenzo(a,h)anthracene	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
Dibenzofuran	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
Diethyl phthalate	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
Dimethyl phthalate	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
Di-n-butyl phthalate	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
Di-n-octyl phthalate	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
Diphenylamine	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
Fluoranthene	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
Fluorene	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
Hexachlorobenzene	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
Hexachlorobutadiene	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
Hexachlorocyclopentadiene	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
Hexachloroethane	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
Indeno(1,2,3-cd)pyrene	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
Isophorone	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
Naphthalene	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
Nitrobenzene	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
N-Nitrosodimethylamine	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
N-Nitrosodi-n-propylamine	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
Pentachlorophenol	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
Phenanthrene	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
Phenol	4720 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
Pyrene	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
Pyridine	< 1000 ug/L		04/08/13 11:25	PSB	SW 8270C 04KS
Surrogate: 2-Fluorophenol	2 % 10-35	S	04/08/13 11:25	PSB	SW 8270C
Surrogate: Nitrobenzene-d5	59 % 22-105	S	04/08/13 11:25	PSB	SW 8270C



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 03/29/13 15:15
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3033360-04**

Collect Date: **03/29/13 00:15**

Sample Description: **Untreated Condensate Voa/Svoc 3**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
Surrogate: 2-Fluorobiphenyl	44 % 30-97	S	04/08/13 11:25	PSB	SW 8270C
Surrogate: 2,4,6-Tribromophenol	111 % 10-93	S	04/08/13 11:25	PSB	SW 8270C
Surrogate: p-Terphenyl-d14	53 % 22-115	S	04/08/13 11:25	PSB	SW 8270C
Volatile Organics - STL					
1,1,1,2-Tetrachloroethane	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
1,1,1-Trichloroethane	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
1,1,2,2-Tetrachloroethane	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 100 ug/L		04/03/13 00:45	BP	SW 8260B*
1,1,2-Trichloroethane	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
1,1-Dichloroethane	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
1,1-Dichloroethene	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
1,1-Dichloropropene	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
1,2,3-Trichlorobenzene	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
1,2,3-Trichloropropane	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
1,2,4-Trichlorobenzene	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
1,2,4-Trimethylbenzene	950 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
1,2-Dibromo-3-chloropropane	< 100 ug/L		04/03/13 00:45	BP	SW 8260B*
1,2-Dibromoethane	< 100 ug/L		04/03/13 00:45	BP	SW 8260B*
1,2-Dichloroethene- Total	< 200 ug/L		04/03/13 00:45	BP	SW 8260B*
1,2-Dichlorobenzene	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
1,2-Dichloroethane	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
1,2-Dichloropropane	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
1,3,5-Trimethylbenzene	200 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
1,3-Dichlorobenzene	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
1,3-Dichloropropane	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
1,3-Dichloropropene - Total	< 200 ug/L		04/03/13 00:45	BP	SW 8260B*
1,4-Dichlorobenzene	740 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
1,4-Dioxane	< 500 ug/L		04/03/13 00:45	BP	SW 8260B*
2,2-Dichloropropane	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
2-Butanone	45000 ug/L		04/02/13 22:31	BP	SW 8260B 04KS
2-Chloroethylvinyl ether	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
2-Chlorotoluene	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 03/29/13 15:15
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3033360-04**

Collect Date: **03/29/13 00:15**

Sample Description: **Untreated Condensate Voa/Svoc 3**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - STL</u>					
2-Hexanone	1100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
2-Nitropropane	< 200 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
4-Chlorotoluene	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
4-Methyl-2-pentanone (MIBK)	860 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
Acetone	140000 ug/L		04/02/13 22:31	BP	SW 8260B 04KS
Acetonitrile	< 500 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
Acrolein	< 500 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
Acrylonitrile	< 200 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
Allyl Chloride	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
Benzene	710 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
Bromobenzene	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
Bromochloromethane	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
Bromodichloromethane	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
Bromoform	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
Bromomethane	< 200 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
Carbon disulfide	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
Carbon tetrachloride	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
Chlorobenzene	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
Chloroethane	< 200 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
Chloroform	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
Chloromethane	< 200 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
cis-1,2-Dichloroethene	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
cis-1,3-Dichloropropene	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
Dibromochloromethane	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
Dibromomethane	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
Dichlorodifluoromethane	< 200 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
Ethyl methacrylate	< 100 ug/L		04/03/13 00:45	BP	SW 8260B*
Ethylbenzene	250 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
Hexachlorobutadiene	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
Iodomethane	< 200 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
Isobutanol	66000 ug/L		04/02/13 22:31	BP	SW 8260B*
Isopropylbenzene	100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
m,p-Xylene	560 ug/L		04/03/13 00:45	BP	SW 8260B 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 03/29/13 15:15
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3033360-04**

Sample Description: **Untreated Condensate Voa/Svoc 3**

Collect Date: **03/29/13 00:15**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
Methacrylonitrile	< 100 ug/L		04/03/13 00:45	BP	SW 8260B*
Methyl methacrylate	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
Methylene chloride	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
MTBE	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
Naphthalene	1400 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
n-Butylbenzene	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
n-Propylbenzene	110 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
o-Xylene	280 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
p-Isopropyl toluene	3400 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
Propionitrile	< 200 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
sec-Butylbenzene	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
Styrene	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
tert-Butylbenzene	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
Tetrachloroethene	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
Toluene	240 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
trans-1,2-Dichloroethene	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
trans-1,3-Dichloropropene	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
trans-1,4-Dichloro-2-butene	< 100 ug/L		04/03/13 00:45	BP	SW 8260B*
Trichloroethene	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
Trichlorofluoromethane	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
Vinyl acetate	< 200 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
Vinyl chloride	< 100 ug/L		04/03/13 00:45	BP	SW 8260B 04KS
Xylenes- Total	840 ug/L		04/03/13 00:45	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	96 % 65-134		04/03/13 00:45	BP	SW 8260B
Surrogate: Bromofluorobenzene	80 % 75.1-125		04/03/13 00:45	BP	SW 8260B
Surrogate: Toluene-d8	92 % 74.2-117		04/03/13 00:45	BP	SW 8260B

Sample No: **3033360-05**

Sample Description: **Untreated Condensate Voa/Svoc 4**

Collect Date: **03/29/13 00:30**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
General Chemistry - PIA					



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St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 03/29/13 15:15
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3033360-05**

Collect Date: **03/29/13 00:30**

Sample Description: **Untreated Condensate Voa/Svoc 4**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - PIA						
Total Organic Carbon (TOC)	18000 mg/L		04/15/13 17:51	Igtas	5310C	KS,IL,IA,WI,AR
Semivolatile Organics - STL						
1,2,4-Trichlorobenzene	< 1000 ug/L	S	04/08/13 11:56	PSB	SW 8270C	04KS
1,2-Dichlorobenzene	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C	04KS
1,3-Dichlorobenzene	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C	04KS
1,4-Dichlorobenzene	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C	04KS
2,4,5-Trichlorophenol	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C	04KS
2,4,6-Trichlorophenol	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C	04KS
2,4-Dichlorophenol	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C	04KS
2,4-Dimethylphenol	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C	04KS
2,4-Dinitrophenol	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C	04KS
2,4-Dinitrotoluene	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C	04KS
2,6-Dimethylaniline	< 500 ug/L		04/08/13 11:56	PSB	SW 8270C*	
2,6-Dinitrotoluene	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C	04KS
2-Chloronaphthalene	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C	04KS
2-Chlorophenol	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C	04KS
2-Methylnaphthalene	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C	04KS
2-Methylphenol	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C	04KS
2-Nitroaniline	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C	04KS
2-Nitrophenol	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C	04KS
3- & 4-Methylphenol	1920 ug/L		04/08/13 11:56	PSB	SW 8270C	04KS
3,3'-Dichlorobenzidine	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C	04KS
3-Nitroaniline	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C	04KS
4,6-Dinitro-2-methylphenol	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C	04KS
4-Bromophenylphenyl ether	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C	04KS
4-Chloro-3-methylphenol	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C	04KS
4-Chloroaniline	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C	04KS
4-Chlorophenylphenyl ether	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C	04KS
4-Nitroaniline	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C	04KS
4-Nitrophenol	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C	04KS
Acenaphthene	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C	04KS
Acenaphthylene	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C	04KS
Aniline	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C	04KS

3033360



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 03/29/13 15:15
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3033360-05**

Collect Date: **03/29/13 00:30**

Sample Description: **Untreated Condensate Voa/Svoc 4**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
Anthracene	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C 04KS
Azobenzene	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C*
Benzidine	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C*
Benzo(a)anthracene	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C 04KS
Benzo(a)pyrene	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C 04KS
Benzo(b&k)fluoranthene	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C 04KS
Benzo(b)fluoranthene	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C 04KS
Benzo(g,h,i)perylene	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C 04KS
Benzo(k)fluoranthene	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C 04KS
Benzoic Acid	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C*
Benzyl alcohol	1920 ug/L		04/08/13 11:56	PSB	SW 8270C 04KS
Bis(2-chloroethoxy) methane	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C 04KS
Bis(2-chloroethyl) ether	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C 04KS
Bis(2-chloroisopropyl) ether	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C*
Bis(2-ethylhexyl) phthalate	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C 04KS
Butyl benzyl phthalate	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C 04KS
Carbazole	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C*
Chrysene	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C 04KS
Dibenzo(a,h)anthracene	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C 04KS
Dibenzofuran	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C 04KS
Diethyl phthalate	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C 04KS
Dimethyl phthalate	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C 04KS
Di-n-butyl phthalate	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C 04KS
Di-n-octyl phthalate	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C 04KS
Diphenylamine	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C 04KS
Fluoranthene	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C 04KS
Fluorene	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C 04KS
Hexachlorobenzene	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C 04KS
Hexachlorobutadiene	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C 04KS
Hexachlorocyclopentadiene	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C 04KS
Hexachloroethane	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C 04KS
Indeno(1,2,3-cd)pyrene	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C 04KS
Isophorone	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C 04KS



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Attn: Sean Torrey

Date Received: 03/29/13 15:15
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3033360-05**

Collect Date: **03/29/13 00:30**

Sample Description: **Untreated Condensate Voa/Svoc 4**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
Naphthalene	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C 04KS
Nitrobenzene	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C 04KS
N-Nitrosodimethylamine	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C 04KS
N-Nitrosodi-n-propylamine	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C 04KS
Pentachlorophenol	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C 04KS
Phenanthrene	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C 04KS
Phenol	5120 ug/L		04/08/13 11:56	PSB	SW 8270C 04KS
Pyrene	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C 04KS
Pyridine	< 1000 ug/L		04/08/13 11:56	PSB	SW 8270C 04KS
Surrogate: 2-Fluorophenol	% 10-35	S	04/08/13 11:56	PSB	SW 8270C
Surrogate: Nitrobenzene-d5	13 % 22-105	S	04/08/13 11:56	PSB	SW 8270C
Surrogate: 2-Fluorobiphenyl	41 % 30-97	S	04/08/13 11:56	PSB	SW 8270C
Surrogate: 2,4,6-Tribromophenol	131 % 10-93	S	04/08/13 11:56	PSB	SW 8270C
Surrogate: p-Terphenyl-d14	48 % 22-115	S	04/08/13 11:56	PSB	SW 8270C
Volatile Organics - STL					
1,1,1,2-Tetrachloroethane	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
1,1,1-Trichloroethane	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
1,1,2,2-Tetrachloroethane	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 100 ug/L		04/03/13 01:13	BP	SW 8260B*
1,1,2-Trichloroethane	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
1,1-Dichloroethane	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
1,1-Dichloroethene	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
1,1-Dichloropropene	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
1,2,3-Trichlorobenzene	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
1,2,3-Trichloropropane	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
1,2,4-Trichlorobenzene	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
1,2,4-Trimethylbenzene	1100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
1,2-Dibromo-3-chloropropane	< 100 ug/L		04/03/13 01:13	BP	SW 8260B*
1,2-Dibromoethane	< 100 ug/L		04/03/13 01:13	BP	SW 8260B*
1,2-Dichloroethene- Total	< 200 ug/L		04/03/13 01:13	BP	SW 8260B*
1,2-Dichlorobenzene	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
1,2-Dichloroethane	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 03/29/13 15:15
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3033360-05**

Collect Date: **03/29/13 00:30**

Sample Description: **Untreated Condensate Voa/Svoc 4**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
1,2-Dichloropropane	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
1,3,5-Trimethylbenzene	230 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
1,3-Dichlorobenzene	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
1,3-Dichloropropane	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
1,3-Dichloropropene - Total	< 200 ug/L		04/03/13 01:13	BP	SW 8260B*
1,4-Dichlorobenzene	840 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
1,4-Dioxane	< 500 ug/L		04/03/13 01:13	BP	SW 8260B*
2,2-Dichloropropane	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
2-Butanone	44000 ug/L		04/02/13 22:59	BP	SW 8260B 04KS
2-Chloroethylvinyl ether	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
2-Chlorotoluene	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
2-Hexanone	1100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
2-Nitropropane	< 200 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
4-Chlorotoluene	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
4-Methyl-2-pentanone (MIBK)	880 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
Acetone	120000 ug/L		04/02/13 22:59	BP	SW 8260B 04KS
Acetonitrile	< 500 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
Acrolein	< 500 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
Acrylonitrile	< 200 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
Allyl Chloride	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
Benzene	710 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
Bromobenzene	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
Bromochloromethane	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
Bromodichloromethane	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
Bromoform	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
Bromomethane	< 200 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
Carbon disulfide	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
Carbon tetrachloride	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
Chlorobenzene	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
Chloroethane	< 200 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
Chloroform	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
Chloromethane	< 200 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
cis-1,2-Dichloroethene	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 03/29/13 15:15
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3033360-05**

Sample Description: **Untreated Condensate Voa/Svoc 4**

Collect Date: **03/29/13 00:30**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
cis-1,3-Dichloropropene	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
Dibromochloromethane	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
Dibromomethane	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
Dichlorodifluoromethane	< 200 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
Ethyl methacrylate	< 100 ug/L		04/03/13 01:13	BP	SW 8260B*
Ethylbenzene	270 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
Hexachlorobutadiene	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
Iodomethane	< 200 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
Isobutanol	63000 ug/L		04/02/13 22:59	BP	SW 8260B*
Isopropylbenzene	130 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
m,p-Xylene	570 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
Methacrylonitrile	< 100 ug/L		04/03/13 01:13	BP	SW 8260B*
Methyl methacrylate	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
Methylene chloride	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
MTBE	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
Naphthalene	1400 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
n-Butylbenzene	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
n-Propylbenzene	130 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
o-Xylene	300 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
p-Isopropyl toluene	4000 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
Propionitrile	< 200 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
sec-Butylbenzene	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
Styrene	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
tert-Butylbenzene	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
Tetrachloroethene	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
Toluene	250 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
trans-1,2-Dichloroethene	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
trans-1,3-Dichloropropene	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
trans-1,4-Dichloro-2-butene	< 100 ug/L		04/03/13 01:13	BP	SW 8260B*
Trichloroethene	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
Trichlorofluoromethane	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
Vinyl acetate	< 200 ug/L		04/03/13 01:13	BP	SW 8260B 04KS
Vinyl chloride	< 100 ug/L		04/03/13 01:13	BP	SW 8260B 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 03/29/13 15:15
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3033360-05**
Sample Description: **Untreated Condensate Voa/Svoc 4**

Collect Date: **03/29/13 00:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - STL</u>					
Xylenes- Total	880 ug/L		04/03/13 01:13	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	104 % 65-134		04/03/13 01:13	BP	SW 8260B
Surrogate: Bromofluorobenzene	81 % 75.1-125		04/03/13 01:13	BP	SW 8260B
Surrogate: Toluene-d8	92 % 74.2-117		04/03/13 01:13	BP	SW 8260B

Sample No: **3033360-06**
Sample Description: **Trip Blank**

Collect Date: **03/28/13 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - STL</u>					
1,1,1,2-Tetrachloroethane	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
1,1,1-Trichloroethane	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
1,1,2,2-Tetrachloroethane	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B*
1,1,2-Trichloroethane	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
1,1-Dichloroethane	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
1,1-Dichloroethene	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
1,1-Dichloropropene	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
1,2,3-Trichlorobenzene	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
1,2,3-Trichloropropane	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
1,2,4-Trichlorobenzene	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
1,2,4-Trimethylbenzene	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
1,2-Dibromo-3-chloropropane	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B*
1,2-Dibromoethane	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B*
1,2-Dichloroethene- Total	< 10 ug/L		04/02/13 23:25	BP	SW 8260B*
1,2-Dichlorobenzene	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
1,2-Dichloroethane	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
1,2-Dichloropropane	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
1,3,5-Trimethylbenzene	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
1,3-Dichlorobenzene	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
1,3-Dichloropropane	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 03/29/13 15:15
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3033360-06**
Sample Description: **Trip Blank**

Collect Date: **03/28/13 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
1,3-Dichloropropene - Total	< 10 ug/L		04/02/13 23:25	BP	SW 8260B*
1,4-Dichlorobenzene	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
1,4-Dioxane	< 25 ug/L		04/02/13 23:25	BP	SW 8260B*
2,2-Dichloropropane	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
2-Butanone	< 10 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
2-Chloroethylvinyl ether	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
2-Chlorotoluene	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
2-Hexanone	< 10 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
2-Nitropropane	< 10 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
4-Chlorotoluene	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
4-Methyl-2-pentanone (MIBK)	< 10 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
Acetone	< 10 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
Acetonitrile	< 25 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
Acrolein	< 25 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
Acrylonitrile	< 10 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
Allyl Chloride	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
Benzene	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
Bromobenzene	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
Bromochloromethane	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
Bromodichloromethane	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
Bromoform	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
Bromomethane	< 10 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
Carbon disulfide	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
Carbon tetrachloride	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
Chlorobenzene	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
Chloroethane	< 10 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
Chloroform	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
Chloromethane	< 10 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
cis-1,2-Dichloroethene	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
cis-1,3-Dichloropropene	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
Dibromochloromethane	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
Dibromomethane	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
Dichlorodifluoromethane	< 10 ug/L		04/02/13 23:25	BP	SW 8260B 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 03/29/13 15:15
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3033360-06**
Sample Description: **Trip Blank**

Collect Date: **03/28/13 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
Ethyl methacrylate	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B*
Ethylbenzene	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
Hexachlorobutadiene	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
Iodomethane	< 10 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
Isobutanol	< 25 ug/L		04/02/13 23:25	BP	SW 8260B*
Isopropylbenzene	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
m,p-Xylene	< 10 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
Methacrylonitrile	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B*
Methyl methacrylate	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
Methylene chloride	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
MTBE	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
Naphthalene	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
n-Butylbenzene	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
n-Propylbenzene	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
o-Xylene	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
p-Isopropyl toluene	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
Propionitrile	< 10 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
sec-Butylbenzene	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
Styrene	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
tert-Butylbenzene	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
Tetrachloroethene	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
Toluene	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
trans-1,2-Dichloroethene	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
trans-1,3-Dichloropropene	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
trans-1,4-Dichloro-2-butene	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B*
Trichloroethene	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
Trichlorofluoromethane	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
Vinyl acetate	< 10 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
Vinyl chloride	< 5.0 ug/L		04/02/13 23:25	BP	SW 8260B 04KS
Xylenes- Total	< 15 ug/L		04/02/13 23:25	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	103 % 65-134		04/02/13 23:25	BP	SW 8260B
Surrogate: Bromofluorobenzene	98 % 75.1-125		04/02/13 23:25	BP	SW 8260B
Surrogate: Toluene-d8	95 % 74.2-117		04/02/13 23:25	BP	SW 8260B



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 03/29/13 15:15
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3033360-07**
Sample Description: **Untreated Condensate TCLP**

Collect Date: **03/28/13 22:45**
Matrix: **Solid**

Parameters	Result	Qual	Analysis Date	Analyst	Method
General Chemistry - STL					
Solids - total solids (TS)	4.4 %	H	04/10/13 10:00	ACV	SM 2540G 18Ed*



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Bridgeton Landfill
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St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 03/29/13 15:15
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

General Chemistry - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305771 - No Prep								
Matrix Spike (B305771-MS1)	Source: 3041817-01	Prepared & Analyzed: 04/11/13						
Total Organic Carbon (TOC)	12.9	mg/L	5.000	7.22	113	80-120		
Matrix Spike Dup (B305771-MSD1)	Source: 3041817-01	Prepared & Analyzed: 04/11/13						
Total Organic Carbon (TOC)	12.4	mg/L	5.000	7.22	103	80-120	4	20
Batch B305921 - No Prep								
Matrix Spike (B305921-MS1)	Source: 3041936-01	Prepared & Analyzed: 04/15/13						
Total Organic Carbon (TOC)	10.1	mg/L	5.000	4.94	104	80-120		
Matrix Spike (B305921-MS2)	Source: 3041954-02	Prepared & Analyzed: 04/15/13						
Total Organic Carbon (TOC)	6.55	mg/L	5.000	1.45	102	80-120		
Matrix Spike Dup (B305921-MSD1)	Source: 3041936-01	Prepared & Analyzed: 04/15/13						
Total Organic Carbon (TOC)	9.86	mg/L	5.000	4.94	99	80-120	3	20
Matrix Spike Dup (B305921-MSD2)	Source: 3041954-02	Prepared & Analyzed: 04/15/13						
Total Organic Carbon (TOC)	6.35	mg/L	5.000	1.45	98	80-120	3	20

TCLP - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B304911 - 04-SW 1311 - TCLP								
Blank (B304911-BLK1)	Prepared: 03/29/13 Analyzed: 04/01/13							
Final pH	0.00	[blank]						

TCLP Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B304911 - 04-SW 1311 - TCLP								
Blank (B304911-BLK1)	Prepared: 03/29/13 Analyzed: 04/01/13							
Final pH	0.00	[blank]						
Batch B304968 - 04 SW 3010A TCLP								
Blank (B304968-BLK1)	Prepared & Analyzed: 04/01/13							
Arsenic	< 0.030	mg/L						
Barium	< 0.020	mg/L						
Cadmium	< 0.0040	mg/L						
Chromium	< 0.0040	mg/L						



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 03/29/13 15:15
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

TCLP Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B304968 - 04 SW 3010A TCLP								
Blank (B304968-BLK1)			Prepared & Analyzed: 04/01/13					
Lead	< 0.020	mg/L						
Selenium	< 0.020	mg/L						
Silver	< 0.0030	mg/L						
LCS (B304968-BS1)			Prepared & Analyzed: 04/01/13					
Arsenic	0.196	mg/L	0.2000		98	80-120		
Barium	0.214	mg/L	0.2000		107	80-120		
Cadmium	0.205	mg/L	0.2000		103	80-120		
Chromium	0.214	mg/L	0.2000		107	80-120		
Lead	0.195	mg/L	0.2000		98	80-120		
Selenium	0.203	mg/L	0.2000		102	80-120		
Silver	0.0504	mg/L	0.05000		101	80-120		
Matrix Spike (B304968-MS1)			Source: 3033360-01		Prepared & Analyzed: 04/01/13			
Arsenic	5.76	mg/L	5.000	0.0550	114	50-150		
Barium	24.7	mg/L	25.00	0.173	98	50-150		
Cadmium	1.04	mg/L	1.000	ND	104	50-150		
Chromium	5.13	mg/L	5.000	0.0122	102	50-150		
Lead	4.86	mg/L	5.000	ND	97	50-150		
Selenium	1.21	mg/L	1.000	0.0110	120	50-150		
Silver	0.510	mg/L	0.5000	ND	102	50-150		
Matrix Spike Dup (B304968-MSD1)			Source: 3033360-01		Prepared & Analyzed: 04/01/13			
Arsenic	5.68	mg/L	5.000	0.0550	112	50-150	1	20
Barium	24.9	mg/L	25.00	0.173	99	50-150	1	20
Cadmium	1.04	mg/L	1.000	ND	104	50-150	0.1	20
Chromium	5.16	mg/L	5.000	0.0122	103	50-150	0.4	20
Lead	4.82	mg/L	5.000	ND	96	50-150	0.8	20
Selenium	1.24	mg/L	1.000	0.0110	123	50-150	2	20
Silver	0.509	mg/L	0.5000	ND	102	50-150	0.1	20
Batch B305016 - 04-SW 7470A/245.1								
Blank (B305016-BLK1)			Prepared & Analyzed: 04/02/13					
Mercury	< 0.0002	mg/L						
LCS (B305016-BS1)			Prepared & Analyzed: 04/02/13					
Mercury	0.00195	mg/L	0.002000		97	85-115		
Matrix Spike (B305016-MS1)			Source: 3033348-03		Prepared & Analyzed: 04/02/13			
Mercury	0.00180	mg/L	0.002000	ND	90	50-150		
Matrix Spike (B305016-MS2)			Source: 3033360-01		Prepared & Analyzed: 04/02/13			
Mercury	0.00277	mg/L	0.002000	0.000680	104	50-150		

3033360



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Date Received: 03/29/13 15:15
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

TCLP Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305016 - 04-SW 7470A/245.1								
Matrix Spike Dup (B305016-MSD1)	Source: 3033348-03	Prepared & Analyzed: 04/02/13						
Mercury	0.00188	mg/L	0.002000	ND	94	50-150	4	20
Matrix Spike Dup (B305016-MSD2)	Source: 3033360-01	Prepared & Analyzed: 04/02/13						
Mercury	0.00290	mg/L	0.002000	0.000680	111	50-150	5	20

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305039 - 04-No Prep VOA								
Blank (B305039-BLK1)	Prepared & Analyzed: 04/02/13							
1,1,1,2-Tetrachloroethane	< 5.0	ug/L						
1,1,1-Trichloroethane	< 5.0	ug/L						
1,1,2,2-Tetrachloroethane	< 5.0	ug/L						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 5.0	ug/L						
1,1,2-Trichloroethane	< 5.0	ug/L						
1,1-Dichloroethane	< 5.0	ug/L						
1,1-Dichloroethene	< 5.0	ug/L						
1,1-Dichloropropene	< 5.0	ug/L						
1,2,3-Trichlorobenzene	< 5.0	ug/L						
1,2,3-Trichloropropane	< 5.0	ug/L						
1,2,4-Trichlorobenzene	< 5.0	ug/L						
1,2,4-Trimethylbenzene	< 5.0	ug/L						
1,2-Dibromo-3-chloropropane	< 5.0	ug/L						
1,2-Dibromoethane	< 5.0	ug/L						
1,2-Dichloroethene- Total	< 10	ug/L						
1,2-Dichlorobenzene	< 5.0	ug/L						
1,2-Dichloroethane	< 5.0	ug/L						
1,2-Dichloropropane	< 5.0	ug/L						
1,3,5-Trimethylbenzene	< 5.0	ug/L						
1,3-Dichlorobenzene	< 5.0	ug/L						
1,3-Dichloropropane	< 5.0	ug/L						
1,3-Dichloropropene - Total	< 10	ug/L						
1,4-Dichlorobenzene	< 5.0	ug/L						
1,4-Dioxane	< 25	ug/L						
2,2-Dichloropropane	< 5.0	ug/L						
2-Butanone	< 10	ug/L						
2-Chloroethylvinyl ether	< 5.0	ug/L						



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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 B305039 - 04-No Prep VOA								
Blank (B305039-BLK1)			Prepared & Analyzed: 04/02/13					
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						
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						



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Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305039 - 04-No Prep VOA								
Blank (B305039-BLK1)			Prepared & Analyzed: 04/02/13					
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						
<i>Surrogate: 1,2-Dichloroethane-d4</i>	29.7	ug/L	30.00		99	65-134		
<i>Surrogate: Bromofluorobenzene</i>	30.7	ug/L	30.00		102	75.1-125		
<i>Surrogate: Toluene-d8</i>	27.3	ug/L	30.00		91	74.2-117		
LCS (B305039-BS1)			Prepared & Analyzed: 04/02/13					
1,1,1-Trichloroethane	21	ug/L	20.00		106	76-131		
1,1,2,2-Tetrachloroethane	18	ug/L	20.00		91	79-126		
1,1,2-Trichloroethane	18	ug/L	20.00		92	79-123		
1,1-Dichloroethane	21	ug/L	20.00		106	74-133		
1,1-Dichloroethene	22	ug/L	20.00		110	71-135		
1,2-Dichlorobenzene	19	ug/L	20.00		95	76-113		
1,2-Dichloroethane	21	ug/L	20.00		106	80-135		
1,2-Dichloropropane	21	ug/L	20.00		106	78-127		
1,3-Dichlorobenzene	20	ug/L	20.00		98	82-119		
1,4-Dichlorobenzene	19	ug/L	20.00		93	78-118		
2-Chloroethylvinyl ether	20	ug/L	20.00		100	66-138		
Acrolein	96	ug/L	100.0		96	38-156		
Acrylonitrile	22	ug/L	20.00		109	43-121		
Benzene	19	ug/L	20.00		96	84-114		
Bromodichloromethane	19	ug/L	20.00		94	82-116		
Bromoform	15	ug/L	20.00		77	65-115		
Bromomethane	19	ug/L	20.00		96	28-143		



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Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305039 - 04-No Prep VOA								
LCS (B305039-BS1)			Prepared & Analyzed: 04/02/13					
Carbon tetrachloride	20	ug/L	20.00		99	72-131		
Chlorobenzene	20	ug/L	20.00		98	82-112		
Chloroethane	20	ug/L	20.00		98	41-126		
Chloroform	22	ug/L	20.00		109	78-124		
Chloromethane	19	ug/L	20.00		96	52-110		
cis-1,3-Dichloropropene	21	ug/L	20.00		105	82-116		
Dibromochloromethane	17	ug/L	20.00		85	83-119		
Ethylbenzene	20	ug/L	20.00		101	85-118		
m,p-Xylene	37	ug/L	40.00		94	80-111		
Methylene chloride	22	ug/L	20.00		111	78-140		
o-Xylene	19	ug/L	20.00		93	81-111		
Tetrachloroethene	25	ug/L	20.00		124	65-135		
Toluene	19	ug/L	20.00		93	81-120		
trans-1,2-Dichloroethene	23	ug/L	20.00		114	70-136		
trans-1,3-Dichloropropene	19	ug/L	20.00		95	82-113		
Trichloroethene	21	ug/L	20.00		106	84-125		
Trichlorofluoromethane	22	ug/L	20.00		108	70-138		
Vinyl chloride	20	ug/L	20.00		99	56-112		
Surrogate: 1,2-Dichloroethane-d4	29.9	ug/L	30.00		100	65.3-134		
Surrogate: Bromofluorobenzene	29.8	ug/L	30.00		99	77.8-123		
Surrogate: Toluene-d8	28.9	ug/L	30.00		96	73.2-119		
Matrix Spike (B305039-MS1)			Source: 3032823-01		Prepared & Analyzed: 04/02/13			
1,1,1-Trichloroethane	14	ug/L	20.00	ND	72	58-143		
1,1,2,2-Tetrachloroethane	18	ug/L	20.00	ND	90	70-133		
1,1,2-Trichloroethane	18	ug/L	20.00	ND	89	73-130		
1,1-Dichloroethane	18	ug/L	20.00	ND	92	55-146		
1,1-Dichloroethene	13	ug/L	20.00	ND	67	51-150		
1,2-Dichlorobenzene	16	ug/L	20.00	ND	80	62-120		
1,2-Dichloroethane	20	ug/L	20.00	ND	98	67-143		
1,2-Dichloropropane	19	ug/L	20.00	ND	97	66-134		
1,3-Dichlorobenzene	18	ug/L	20.00	ND	90	67-124		
1,4-Dichlorobenzene	17	ug/L	20.00	ND	87	66-123		
Acrolein	34	ug/L	100.0	ND	34	14-156		
Acrylonitrile	21	ug/L	20.00	ND	104	46-116		
Benzene	17	ug/L	20.00	ND	87	69-126		
Bromodichloromethane	20	ug/L	20.00	2	91	67-128		
Bromoform	16	ug/L	20.00	ND	79	42-132		
Bromomethane	14	ug/L	20.00	ND	71	5-138		
Carbon tetrachloride	12	ug/L	20.00	ND	60	53-151		



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Attn: Sean Torrey

Date Received: 03/29/13 15:15
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305039 - 04-No Prep VOA								
Matrix Spike (B305039-MS1)		Source: 3032823-01		Prepared & Analyzed: 04/02/13				
Chlorobenzene	18	ug/L	20.00	ND	91	67-124		
Chloroethane	14	ug/L	20.00	ND	71	35-123		
Chloroform	39	ug/L	20.00	21	89	41-155		
Chloromethane	16	ug/L	20.00	ND	81	39-120		
cis-1,3-Dichloropropene	19	ug/L	20.00	ND	93	68-126		
Dibromochloromethane	17	ug/L	20.00	ND	86	68-131		
Ethylbenzene	17	ug/L	20.00	ND	84	68-128		
m,p-Xylene	29	ug/L	40.00	ND	72	64-122		
Methylene chloride	21	ug/L	20.00	ND	103	70-150		
o-Xylene	17	ug/L	20.00	ND	84	65-122		
Tetrachloroethene	13	ug/L	20.00	ND	65	42-132		
Toluene	16	ug/L	20.00	ND	82	64-137		
trans-1,2-Dichloroethene	18	ug/L	20.00	ND	90	57-145		
trans-1,3-Dichloropropene	18	ug/L	20.00	ND	90	66-121		
Trichloroethene	19	ug/L	20.00	1	88	69-131		
Trichlorofluoromethane	9	ug/L	20.00	ND	47	36-162		
Vinyl chloride	11	ug/L	20.00	ND	57	24-137		
Surrogate: 1,2-Dichloroethane-d4	29.5	ug/L	30.00		98	63.3-137		
Surrogate: Bromofluorobenzene	29.4	ug/L	30.00		98	74.6-123		
Surrogate: Toluene-d8	27.9	ug/L	30.00		93	71-122		
Matrix Spike Dup (B305039-MSD1)		Source: 3032823-01		Prepared & Analyzed: 04/02/13				
1,1,1-Trichloroethane	13	ug/L	20.00	ND	66	58-143	10	40
1,1,2,2-Tetrachloroethane	18	ug/L	20.00	ND	90	70-133	0.06	40
1,1,2-Trichloroethane	18	ug/L	20.00	ND	90	73-130	0.4	40
1,1-Dichloroethane	18	ug/L	20.00	ND	88	55-146	5	40
1,1-Dichloroethene	13	ug/L	20.00	ND	63	51-150	7	40
1,2-Dichlorobenzene	16	ug/L	20.00	ND	81	62-120	1	40
1,2-Dichloroethane	20	ug/L	20.00	ND	101	67-143	2	40
1,2-Dichloropropane	19	ug/L	20.00	ND	96	66-134	1	40
1,3-Dichlorobenzene	17	ug/L	20.00	ND	83	67-124	8	40
1,4-Dichlorobenzene	17	ug/L	20.00	ND	87	66-123	0.1	40
Acrolein	33	ug/L	100.0	ND	33	14-156	2	40
Acrylonitrile	23	ug/L	20.00	ND	115	46-116	10	40
Benzene	17	ug/L	20.00	ND	83	69-126	4	40
Bromodichloromethane	20	ug/L	20.00	2	90	67-128	1	40
Bromoform	15	ug/L	20.00	ND	75	42-132	5	40
Bromomethane	12	ug/L	20.00	ND	59	5-138	19	40
Carbon tetrachloride	11	ug/L	20.00	ND	56	53-151	7	40
Chlorobenzene	18	ug/L	20.00	ND	90	67-124	0.3	40



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Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305039 - 04-No Prep VOA								
Matrix Spike Dup (B305039-MSD1)	Source: 3032823-01		Prepared & Analyzed: 04/02/13					
Chloroethane	12	ug/L	20.00	ND	62	35-123	12	40
Chloroform	38	ug/L	20.00	21	86	41-155	2	40
Chloromethane	14	ug/L	20.00	ND	71	39-120	13	40
cis-1,3-Dichloropropene	18	ug/L	20.00	ND	90	68-126	4	40
Dibromochloromethane	17	ug/L	20.00	ND	85	68-131	2	40
Ethylbenzene	17	ug/L	20.00	ND	83	68-128	0.7	40
m,p-Xylene	29	ug/L	40.00	ND	73	64-122	1	40
Methylene chloride	20	ug/L	20.00	ND	99	70-150	4	40
o-Xylene	17	ug/L	20.00	ND	83	65-122	1	40
Tetrachloroethene	13	ug/L	20.00	ND	65	42-132	0.5	40
Toluene	16	ug/L	20.00	ND	79	64-137	3	40
trans-1,2-Dichloroethene	17	ug/L	20.00	ND	83	57-145	8	40
trans-1,3-Dichloropropene	18	ug/L	20.00	ND	88	66-121	3	40
Trichloroethene	18	ug/L	20.00	1	84	69-131	4	40
Trichlorofluoromethane	9	ug/L	20.00	ND	43	36-162	9	40
Vinyl chloride	10	ug/L	20.00	ND	50	24-137	13	40
Surrogate: 1,2-Dichloroethane-d4	29.3	ug/L	30.00		98	63.3-137		
Surrogate: Bromofluorobenzene	30.7	ug/L	30.00		102	74.6-123		
Surrogate: Toluene-d8	29.2	ug/L	30.00		97	71-122		

Volatile Organics- TCLP - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305037 - 04-No Prep VOA								
Blank (B305037-BLK1)	Prepared & Analyzed: 04/02/13							
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	31.3	ug/L	30.00		104	59.4-135		



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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 B305037 - 04-No Prep VOA								
Blank (B305037-BLK1)			Prepared & Analyzed: 04/02/13					
Surrogate: Toluene-d8	28.6	ug/L	30.00		95	77.7-111		
Surrogate: Bromofluorobenzene	30.3	ug/L	30.00		101	74-125		
LCS (B305037-BS1)			Prepared & Analyzed: 04/02/13					
1,1-Dichloroethene	22	ug/L	20.00		112	84-127		
1,2-Dichloroethane	21	ug/L	20.00		106	86-134		
1,4-Dichlorobenzene	19	ug/L	20.00		94	82-121		
2-Butanone	20	ug/L	20.00		98	42-133		
Benzene	20	ug/L	20.00		101	88-117		
Carbon tetrachloride	19	ug/L	20.00		96	77-132		
Chlorobenzene	20	ug/L	20.00		100	87-112		
Chloroform	20	ug/L	20.00		98	78-132		
Tetrachloroethene	18	ug/L	20.00		89	74-124		
Trichloroethene	22	ug/L	20.00		108	90-126		
Vinyl chloride	20	ug/L	20.00		99	56-121		
Surrogate: 1,2-Dichloroethane-d4	31.8	ug/L	30.00		106	58.5-138		
Surrogate: Toluene-d8	27.8	ug/L	30.00		93	70.3-119		
Surrogate: Bromofluorobenzene	30.1	ug/L	30.00		100	74-126		
Matrix Spike (B305037-MS1)			Source: 3033360-01		Prepared & Analyzed: 04/02/13			
1,1-Dichloroethene	926	ug/L	800.0	ND	116	32-165		
1,2-Dichloroethane	857	ug/L	800.0	ND	107	88-130		
1,4-Dichlorobenzene	781	ug/L	800.0	22	95	75-121		
2-Butanone	3460	ug/L	800.0	2330	141	5-176		
Benzene	836	ug/L	800.0	24	102	64-132		
Carbon tetrachloride	812	ug/L	800.0	ND	102	34-160		
Chlorobenzene	805	ug/L	800.0	ND	101	73-123		
Chloroform	806	ug/L	800.0	ND	101	68-141		
Tetrachloroethene	734	ug/L	800.0	ND	92	16-164		
Trichloroethene	854	ug/L	800.0	ND	107	45-161		
Vinyl chloride	808	ug/L	800.0	ND	101	10-152		
Surrogate: 1,2-Dichloroethane-d4	30.2	ug/L	30.00		101	59-133		
Surrogate: Toluene-d8	29.9	ug/L	30.00		100	78.2-110		
Surrogate: Bromofluorobenzene	31.1	ug/L	30.00		104	72.2-127		
Matrix Spike (B305037-MS2)			Source: 3040075-01		Prepared & Analyzed: 04/02/13			
1,1-Dichloroethene	789	ug/L	800.0	ND	99	32-165		
1,2-Dichloroethane	898	ug/L	800.0	ND	112	88-130		
1,4-Dichlorobenzene	766	ug/L	800.0	ND	96	75-121		
2-Butanone	Q1 3460	ug/L	800.0	1770	211	5-176		
Benzene	768	ug/L	800.0	ND	96	64-132		



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Date Received: 03/29/13 15:15
Report Date: 04/16/13
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 B305037 - 04-No Prep VOA								
Matrix Spike (B305037-MS2)		Source: 3040075-01		Prepared & Analyzed: 04/02/13				
Carbon tetrachloride	711	ug/L	800.0	ND	89	34-160		
Chlorobenzene	806	ug/L	800.0	ND	101	73-123		
Chloroform	775	ug/L	800.0	ND	97	68-141		
Tetrachloroethene	667	ug/L	800.0	ND	83	16-164		
Trichloroethene	834	ug/L	800.0	ND	104	45-161		
Vinyl chloride	704	ug/L	800.0	ND	88	10-152		
Surrogate: 1,2-Dichloroethane-d4	32.7	ug/L	30.00		109	59-133		
Surrogate: Toluene-d8	28.8	ug/L	30.00		96	78.2-110		
Surrogate: Bromofluorobenzene	30.9	ug/L	30.00		103	72.2-127		

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B304836 - 04 SW 3510 (625/8270)								
Blank (B304836-BLK1)		Prepared: 04/02/13 Analyzed: 04/04/13						
1,2,4-Trichlorobenzene	< 10.0	ug/L						
1,2-Dichlorobenzene	< 10.0	ug/L						
1,3-Dichlorobenzene	< 10.0	ug/L						
1,4-Dichlorobenzene	< 10.0	ug/L						
2,4,5-Trichlorophenol	< 10.0	ug/L						
2,4,6-Trichlorophenol	< 10.0	ug/L						
2,4-Dichlorophenol	< 10.0	ug/L						
2,4-Dimethylphenol	< 10.0	ug/L						
2,4-Dinitrophenol	< 10.0	ug/L						
2,4-Dinitrotoluene	< 10.0	ug/L						
2,6-Dimethylaniline	< 5.00	ug/L						
2,6-Dinitrotoluene	< 10.0	ug/L						
2-Chloronaphthalene	< 10.0	ug/L						
2-Chlorophenol	< 10.0	ug/L						
2-Methylnaphthalene	< 10.0	ug/L						
2-Methylphenol	< 10.0	ug/L						
2-Nitroaniline	< 10.0	ug/L						
2-Nitrophenol	< 10.0	ug/L						
3- & 4-Methylphenol	< 10.0	ug/L						
3,3'-Dichlorobenzidine	< 10.0	ug/L						
3-Nitroaniline	< 10.0	ug/L						
4,6-Dinitro-2-methylphenol	< 10.0	ug/L						



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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 B304836 - 04 SW 3510 (625/8270)								
Blank (B304836-BLK1)			Prepared: 04/02/13 Analyzed: 04/04/13					
4-Bromophenylphenyl ether	< 10.0	ug/L						
4-Chloro-3-methylphenol	< 10.0	ug/L						
4-Chloroaniline	< 10.0	ug/L						
4-Chlorophenylphenyl ether	< 10.0	ug/L						
4-Nitroaniline	< 10.0	ug/L						
4-Nitrophenol	< 10.0	ug/L						
Acenaphthene	< 10.0	ug/L						
Acenaphthylene	< 10.0	ug/L						
Aniline	< 10.0	ug/L						
Anthracene	< 10.0	ug/L						
Azobenzene	< 10.0	ug/L						
Benzidine	< 10.0	ug/L						
Benzo(a)anthracene	< 10.0	ug/L						
Benzo(a)pyrene	< 10.0	ug/L						
Benzo(b&k)fluoranthene	< 10.0	ug/L						
Benzo(b)fluoranthene	< 10.0	ug/L						
Benzo(g,h,i)perylene	< 10.0	ug/L						
Benzo(k)fluoranthene	< 10.0	ug/L						
Benzoic Acid	< 10.0	ug/L						
Benzyl alcohol	< 10.0	ug/L						
Bis(2-chloroethoxy) methane	< 10.0	ug/L						
Bis(2-chloroethyl) ether	< 10.0	ug/L						
Bis(2-chloroisopropyl) ether	< 10.0	ug/L						
Bis(2-ethylhexyl) phthalate	< 10.0	ug/L						
Butyl benzyl phthalate	< 10.0	ug/L						
Carbazole	< 10.0	ug/L						
Chrysene	< 10.0	ug/L						
Dibenzo(a,h)anthracene	< 10.0	ug/L						
Dibenzofuran	< 10.0	ug/L						
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						



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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 B304836 - 04 SW 3510 (625/8270)								
Blank (B304836-BLK1)			Prepared: 04/02/13 Analyzed: 04/04/13					
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						
Surrogate: Nitrobenzene-d5	61	ug/L	80.00		76	22-105		
Surrogate: 2-Fluorobiphenyl	62	ug/L	80.00		77	30-97		
Surrogate: p-Terphenyl-d14	62	ug/L	80.00		77	22-115		
LCS (B304836-BS1)			Prepared: 04/02/13 Analyzed: 04/04/13					
1,2,4-Trichlorobenzene	55	ug/L	80.00		68	56-88		
1,2-Dichlorobenzene	51	ug/L	80.00		64	56-86		
1,3-Dichlorobenzene	51	ug/L	80.00		63	54-84		
1,4-Dichlorobenzene	51	ug/L	80.00		63	55-87		
2,4,5-Trichlorophenol	60	ug/L	80.00		75	54-107		
2,4,6-Trichlorophenol	58	ug/L	80.00		73	53-108		
2,4-Dichlorophenol	65	ug/L	80.00		81	57-100		
2,4-Dimethylphenol	64	ug/L	80.00		81	58-99		
2,4-Dinitrophenol	79	ug/L	80.00		98	41-122		
2,4-Dinitrotoluene	60	ug/L	80.00		75	46-100		
2,6-Dinitrotoluene	53	ug/L	80.00		66	53-100		
2-Chloronaphthalene	43	ug/L	80.00		54	54-90		
2-Chlorophenol	68	ug/L	80.00		85	59-97		
2-Methylphenol	68	ug/L	80.00		85	56-107		
2-Nitrophenol	59	ug/L	80.00		73	56-105		
3- & 4-Methylphenol	71	ug/L	80.00		88	56-100		
3,3'-Dichlorobenzidine	60	ug/L	80.00		75	50-107		
4,6-Dinitro-2-methylphenol	63	ug/L	80.00		79	51-102		
4-Bromophenylphenyl ether	46	ug/L	80.00		57	52-97		
4-Chloro-3-methylphenol	60	ug/L	80.00		75	58-102		
4-Chlorophenylphenyl ether	50	ug/L	80.00		62	52-98		
4-Nitrophenol	80	ug/L	80.00		99	47-114		
Acenaphthene	49	ug/L	80.00		61	54-93		



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Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B304836 - 04 SW 3510 (625/8270)								
LCS (B304836-BS1)			Prepared: 04/02/13 Analyzed: 04/04/13					
Acenaphthylene	48	ug/L	80.00		60	56-93		
Anthracene	54	ug/L	80.00		68	57-94		
Azobenzene	< 10.0	ug/L	80.00			44-98		
Benzidine	73	ug/L	80.00		91	10-68		
Benzo(a)anthracene	45	ug/L	80.00		56	45-94		
Benzo(a)pyrene	77	ug/L	80.00		96	50-111		
Benzo(b&k)fluoranthene	< 10.0	ug/L	160.0			52-102		
Benzo(b)fluoranthene	71	ug/L	80.00		89	50-108		
Benzo(g,h,i)perylene	69	ug/L	80.00		87	45-102		
Benzo(k)fluoranthene	77	ug/L	80.00		96	50-98		
Benzoic Acid	< 10.0	ug/L	80.00			43-117		
Bis(2-chloroethoxy) methane	51	ug/L	80.00		64	52-89		
Bis(2-chloroethyl) ether	58	ug/L	80.00		73	55-88		
Bis(2-chloroisopropyl) ether	50	ug/L	80.00		63	37-81		
Bis(2-ethylhexyl) phthalate	58	ug/L	80.00		73	44-97		
Butyl benzyl phthalate	57	ug/L	80.00		72	44-96		
Chrysene	49	ug/L	80.00		61	50-100		
Dibenzo(a,h)anthracene	77	ug/L	80.00		96	53-99		
Diethyl phthalate	52	ug/L	80.00		65	53-92		
Dimethyl phthalate	54	ug/L	80.00		68	53-93		
Di-n-butyl phthalate	44	ug/L	80.00		56	55-96		
Di-n-octyl phthalate	56	ug/L	80.00		70	42-110		
Diphenylamine	43	ug/L	80.00		54	49-97		
Fluoranthene	46	ug/L	80.00		58	56-92		
Fluorene	51	ug/L	80.00		64	52-97		
Hexachlorobenzene	45	ug/L	80.00		57	51-98		
Hexachlorobutadiene	46	ug/L	80.00		58	54-92		
Hexachlorocyclopentadiene	54	ug/L	80.00		68	27-85		
Hexachloroethane	56	ug/L	80.00		70	56-83		
Indeno(1,2,3-cd)pyrene	81	ug/L	80.00		101	50-106		
Isophorone	45	ug/L	80.00		57	52-85		
Naphthalene	52	ug/L	80.00		65	59-87		
Nitrobenzene	52	ug/L	80.00		65	48-95		
N-Nitrosodimethylamine	54	ug/L	80.00		68	53-90		
N-Nitrosodi-n-propylamine	49	ug/L	80.00		61	47-87		
Pentachlorophenol	66	ug/L	80.00		82	49-128		
Phenanthrene	54	ug/L	80.00		67	55-95		
Phenol	64	ug/L	80.00		80	55-96		
Pyrene	49	ug/L	80.00		61	51-98		



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Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B304836 - 04 SW 3510 (625/8270)								
LCS (B304836-BS1)			Prepared: 04/02/13 Analyzed: 04/04/13					
Surrogate: Nitrobenzene-d5	60	ug/L	80.00		75	62.4-112		
Surrogate: 2-Fluorobiphenyl	60	ug/L	80.00		75	58-107		
Surrogate: p-Terphenyl-d14	57	ug/L	80.00		71	42.1-123		

Semivolatile Organics-TCLP - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B304932 - 04 SW 3510 (M8270 TCLP)								
Blank (B304932-BLK1)			Prepared: 04/01/13 Analyzed: 04/04/13					
2,4,5-Trichlorophenol	< 100	ug/L						
2,4,6-Trichlorophenol	< 100	ug/L						
2,4-Dinitrotoluene	< 100	ug/L						
2-Methylphenol	< 100	ug/L						
3- & 4-Methylphenol	< 100	ug/L						
Hexachlorobenzene	< 100	ug/L						
Hexachlorobutadiene	< 100	ug/L						
Hexachloroethane	< 100	ug/L						
Nitrobenzene	< 100	ug/L						
Pentachlorophenol	< 100	ug/L						
Pyridine	< 100	ug/L						
Surrogate: 2-Fluorophenol	650	ug/L	500.0		131	28-92		
Surrogate: Nitrobenzene-d5	460	ug/L	500.0		92	48-105		
Surrogate: 2-Fluorobiphenyl	450	ug/L	500.0		90	41-107		
Surrogate: 2,4,6-Tribromophenol	530	ug/L	500.0		107	36-108		
Surrogate: p-Terphenyl-d14	430	ug/L	500.0		86	45-117		

LCS (B304932-BS1)			Prepared: 04/01/13 Analyzed: 04/04/13					
2,4,5-Trichlorophenol	607	ug/L	800.0		76	56-101		
2,4,6-Trichlorophenol	576	ug/L	800.0		72	60-100		
2,4-Dinitrotoluene	674	ug/L	800.0		84	55-108		
2-Methylphenol	680	ug/L	800.0		85	58-106		
3- & 4-Methylphenol	720	ug/L	800.0		90	56-104		
Hexachlorobenzene	480	ug/L	800.0		60	45-99		
Hexachlorobutadiene	520	ug/L	800.0		65	55-103		
Hexachloroethane	610	ug/L	800.0		76	53-101		
Nitrobenzene	626	ug/L	800.0		78	54-109		
Pentachlorophenol	675	ug/L	800.0		84	48-117		
Pyridine	529	ug/L	800.0		66	37-90		



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Laboratory Results

Semivolatile Organics-TCLP - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B304932 - 04 SW 3510 (M8270 TCLP)

LCS (B304932-BS1)

Prepared: 04/01/13 Analyzed: 04/04/13

Surrogate: 2-Fluorophenol	590	ug/L	500.0		119	42.9-95		
Surrogate: Nitrobenzene-d5	410	ug/L	500.0		83	58.3-111		
Surrogate: 2-Fluorobiphenyl	400	ug/L	500.0		80	53.4-104		
Surrogate: 2,4,6-Tribromophenol	580	ug/L	500.0		116	46.2-106		
Surrogate: p-Terphenyl-d14	390	ug/L	500.0		78	52.7-117		

Matrix Spike (B304932-MS1)

Source: 3033360-01

Prepared: 04/01/13 Analyzed: 04/04/13

2,4,5-Trichlorophenol	593	ug/L	800.0	ND	74	49-100		
2,4,6-Trichlorophenol	594	ug/L	800.0	ND	74	50-101		
2,4-Dinitrotoluene	713	ug/L	800.0	ND	89	48-101		
2-Methylphenol	691	ug/L	800.0	118	72	48-102		
3- & 4-Methylphenol	1010	ug/L	800.0	414	75	44-101		
Hexachlorobenzene	441	ug/L	800.0	ND	55	34-93		
Hexachlorobutadiene	461	ug/L	800.0	ND	58	37-100		
Hexachloroethane	596	ug/L	800.0	ND	74	41-92		
Nitrobenzene	641	ug/L	800.0	ND	80	35-114		
Pentachlorophenol	687	ug/L	800.0	ND	86	42-114		
Pyridine	474	ug/L	800.0	ND	59	18-96		
Surrogate: 2-Fluorophenol	560	ug/L	500.0		111	28-92		
Surrogate: Nitrobenzene-d5	460	ug/L	500.0		92	48-105		
Surrogate: 2-Fluorobiphenyl	390	ug/L	500.0		77	41-107		
Surrogate: 2,4,6-Tribromophenol	580	ug/L	500.0		117	36-108		
Surrogate: p-Terphenyl-d14	380	ug/L	500.0		76	45-117		

Herbicides- TCLP - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B305109 - EPA 8151

Blank (B305109-BLK1)

Prepared: 04/03/13 Analyzed: 04/04/13

2,4-D	< 0.01	mg/L						
Silvex	< 0.005	mg/L						
Surrogate: DCAA	0.00237	mg/L	0.002000		118	10-175		

Blank (B305109-BLK2)

Prepared: 04/03/13 Analyzed: 04/04/13

2,4-D	< 0.1	mg/L						
Silvex	< 0.05	mg/L						
Surrogate: DCAA	0.0121	mg/L	0.02000		60	10-175		

Blank (B305109-BLK3)

Prepared: 04/03/13 Analyzed: 04/04/13

3033360



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Laboratory Results

Herbicides- TCLP - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305109 - EPA 8151								
Blank (B305109-BLK3)			Prepared: 04/03/13 Analyzed: 04/04/13					
2,4-D	< 0.1	mg/L						
Silvex	< 0.05	mg/L						
Surrogate: DCAA	0.0170	mg/L	0.02000		85	10-175		
LCS (B305109-BS1)			Prepared: 04/03/13 Analyzed: 04/04/13					
2,4-D	0.001	mg/L	0.001500		80	19-199		
Silvex	0.001	mg/L	0.001500		97	41-125		
Surrogate: DCAA	0.00186	mg/L	0.002000		93	10-175		
Matrix Spike (B305109-MS1)			Prepared: 04/03/13 Analyzed: 04/04/13					
2,4-D	0.03	mg/L	0.01500	ND	183	21-210		
Silvex	0.02	mg/L	0.01500	ND	129	29-140		
Surrogate: DCAA	0.0131	mg/L	0.02000		66	10-175		
Matrix Spike Dup (B305109-MSD1)			Prepared: 04/03/13 Analyzed: 04/05/13					
2,4-D	0.02	mg/L	0.01500	ND	119	21-210	42	40
Silvex	0.02	mg/L	0.01500	ND	104	29-140	22	40
Surrogate: DCAA	0.0126	mg/L	0.02000		63	10-175		

Pesticides-TCLP - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305106 - EPA 608/8081/8082/8141								
Blank (B305106-BLK1)			Prepared: 04/03/13 Analyzed: 04/04/13					
Chlordane (technical)	< 0.001	mg/L						
Endrin	< 0.00005	mg/L						
gamma-BHC (Lindane)	< 0.00005	mg/L						
Heptachlor	< 0.00005	mg/L						
Heptachlor epoxide	< 0.00005	mg/L						
Methoxychlor	< 0.0002	mg/L						
Toxaphene	< 0.001	mg/L						
Surrogate: TCMX	0.00038	mg/L	5.000E-4		77	46-112		
Surrogate: DCBP	0.00043	mg/L	5.000E-4		86	10-127		
Blank (B305106-BLK2)			Prepared: 04/03/13 Analyzed: 04/04/13					
Chlordane (technical)	< 0.010	mg/L						
Endrin	< 0.0005	mg/L						
gamma-BHC (Lindane)	< 0.0005	mg/L						
Heptachlor	< 0.0005	mg/L						



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 03/29/13 15:15
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Pesticides-TCLP - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305106 - EPA 608/8081/8082/8141								
Blank (B305106-BLK2)			Prepared: 04/03/13 Analyzed: 04/04/13					
Heptachlor epoxide	< 0.0005	mg/L						
Methoxychlor	< 0.002	mg/L						
Toxaphene	< 0.010	mg/L						
Surrogate: TCMX	0.0040	mg/L	0.005000		79	46-112		
Surrogate: DCBP	0.0048	mg/L	0.005000		96	10-127		
Blank (B305106-BLK3)			Prepared: 04/03/13 Analyzed: 04/05/13					
Chlordane (technical)	< 0.010	mg/L						
Endrin	< 0.0005	mg/L						
gamma-BHC (Lindane)	< 0.0005	mg/L						
Heptachlor	< 0.0005	mg/L						
Heptachlor epoxide	< 0.0005	mg/L						
Methoxychlor	< 0.002	mg/L						
Toxaphene	< 0.010	mg/L						
Surrogate: TCMX	0.0050	mg/L	0.005000		99	46-112		
Surrogate: DCBP	0.0055	mg/L	0.005000		110	10-127		
LCS (B305106-BS1)			Prepared: 04/03/13 Analyzed: 04/05/13					
Chlordane (technical)	< 0.001	mg/L				43.1-119		
Endrin	0.0008	mg/L	8.000E-4		104	63-119		
gamma-BHC (Lindane)	0.0008	mg/L	8.000E-4		105	62-113		
Heptachlor	0.0008	mg/L	8.000E-4		101	58-110		
Heptachlor epoxide	0.0008	mg/L	8.000E-4		106	64-113		
Methoxychlor	0.004	mg/L	0.003200		111	66-116		
Toxaphene	< 0.001	mg/L				10-93.8		
Surrogate: TCMX	0.00043	mg/L	5.000E-4		85	46-112		
Surrogate: DCBP	0.00042	mg/L	5.000E-4		85	10-127		
Reference (B305106-SRM1)			Prepared: 04/03/13 Analyzed: 04/05/13					
Chlordane (technical)	0.003	mg/L	0.001600		182	0-200		
Toxaphene	0.005	mg/L	0.003200		156	0-200		
Surrogate: TCMX	0.0	mg/L	5.000E-4			46-112		
Surrogate: DCBP	0.0	mg/L	5.000E-4			10-127		



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St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 03/29/13 15:15
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Notes

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

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

- PIA PDC Laboratories - Peoria, IL
NELAC Accreditation for Drinking Water, Wastewater, Hazardous and Solid Wastes Fields of Testing through IL EPA Lab No. 100230
Illinois Department of Public Health Bacteriological Analysis in Drinking Water Approved Laboratory Registry No. 17553
Drinking Water Certifications: Kansas (E-10338); Missouri (870); Wisconsin (998284430); Indiana (C-IL-040); Iowa (240)
Wastewater Certifications: Arkansas (88-0677); Wisconsin (998284430); Iowa (240); Kansas (E-10335)
Hazardous/Solid Waste Certifications: Arkansas (88-0677); Wisconsin (998284430); Iowa (240); Kansas (E-10335)
UST Certification; Iowa (240)
- SPM PDC Laboratories - Springfield, MO
EPA DMR-QA Program
- STL PDC Laboratories - St. Louis, MO
NELAC Accreditation for Wastewater, Hazardous and Solid Wastes Fields of Testing
Drinking Water Certifications: Kansas (E-10389)

- S Surrogate compound diluted below a reliable quantitation level.
- Q1 MS Failed %R
- H Test performed after the expiration of the appropriate regulatory/advisory maximum allowable hold time.

Certified by: Roxann Shull, Client Services Supervisor



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

CHAIN OF CUSTODY RECORD
 Phone (314) 432-0550 or (314) 921-4488
 Fax (314) 432-4977

State where samples collected MO
 (Instructions/Sample Acceptance Policy on Reverse)

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

1 CLIENT Bridgeton L.F.			PROJECT NUMBER	P.O. NUMBER	MEANS SHIPPED Delivered	3 ANALYSIS REQUESTED					4 (FOR LAB USE ONLY) LOGIN # <u>3033760</u> LOGGED BY: <u>HE</u> LAB PROJ. # TEMPLATE: PROJ. MGR.:		
ADDRESS 13570 St. Charles Road (573)			PHONE NUMBER 638-5424	FAX NUMBER	EMAIL ADDRESS egalbraith@barzon	TCLP Metals	TCLP Volatiles	TCLP Semi-Volatiles	TCLP Pesticides	TCLP Herbicides	VOCs (8164)	SVOCs (8278)	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 MAL-NON-AQUEOUS SOIL-SOILS								
CONTACT PERSON Ed Galbraith			SAMPLER'S SIGNATURE Scott C. Fedak										
2 SAMPLE DESCRIPTION AS YOU WANT ON REPORT			DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	MATRIX COMP	Bottle TYPE	Bottle Count					
Untreated Condensate TCLP			3-28-13	2245	X		WW	5	X	X	X	X	
Untreated Condensate UOA/SVOC 1			3-28-13	2315	X		WW ^{SCF}	64				X	X
Untreated Condensate UOA/SVOC 2			3-28-13	2354	X		WW ^{SCF}	64				X	X
Untreated Condensate UOA/SVOC 3			3-29-13	0415	X		WW ^{SCF}	64				X	X
Untreated Condensate UOA/SVOC 4			3-29-13	0434	X		WW	4				X	X
Trip Blank			--	--	--		--	3				X	
5 TURNAROUND TIME (RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE) NORMAL (8-10 Bus. Days) <u>RUSH (5 Bus. Days)</u> <u>Fastrak™ (3 Bus. Days)</u> 1-2 Bus. Days Same Day DATE DUE _____ RESULTS BY: <u>E-MAIL</u> FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE					The sample temperature will be measured upon receipt at the lab. By initialing this area, you request that the lab notify you, before proceeding with analysis, if the sample temperature is outside of the range of 0-1-6.0°C. By not initialing this area, you allow the lab to proceed with analytical testing regardless of the sample temperature. _____ 6								
7 RELINQUISHED BY: (SIGNATURE) Scott C. Fedak DATE 3-29-13 TIME 1415			RECEIVED BY: <u>[Signature]</u> DATE 3-29 TIME 1415			8 COMMENTS: (FOR LAB USE ONLY) SAMPLE TEMPERATURE UPON RECEIPT <u>0.3</u> °C CHILL PROCESS STARTED PRIOR TO RECEIPT SAMPLE(S) RECEIVED ON ICE PROPER BOTTLES RECEIVED IN GOOD CONDITION BOTTLES FILLED WITH ADEQUATE VOLUME SAMPLES RECEIVED WITHIN HOLD TIME(S) (EXCLUDES TYPICAL FIELD PARAMETERS) DATE AND TIME TAKEN FROM SAMPLE BOTTLE							

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

SUBCONTRACT ORDER

PDC Laboratories, Inc.

3033360

MS

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

RECEIVING LABORATORY:

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

Date Shipped 4/1/13
 Sample Origin (State) MO
 PO# _____
 Total # of Containers 2

Analysis	Due	Expires	Comments
Sample ID: 3033360-01	Water	Sampled: 03/28/13 22:45	
M8151TCLP	04/03/13 16:00	04/04/13 22:45	
M8081TCLP	04/03/13 16:00	04/04/13 22:45	
SW 1311 - TCLP Organics	04/03/13 16:00	04/25/13 22:45	All TCLP tumbled at STL

Turn-Around Time Requested (circle one): NORMAL RUSH Date Results Needed: 4/3/13

Relinquished By	Date/Time	Received By	Date/Time	Sample Temperature Upon Receipt	<u>5</u> C
<u>Heather Eubank</u>	<u>3/29/13</u>	<u>Melissa Pibey</u>	<u>4/2/13</u>	Sample(s) Received on Ice	<input checked="" type="radio"/> Y or N
				Proper Bottles Received in Good Condition	<input checked="" type="radio"/> Y or N
				Bottles Filled with Adequate Volume	<input checked="" type="radio"/> Y or N
				Samples Received Within Hold Time	<input checked="" type="radio"/> Y or N
				Date/Time Taken From Sample Bottle	<input checked="" type="radio"/> Y or N



PDC Laboratories TCLP Extraction Worksheet

Analyst: MARY PIKER

RotaStart: 1500

Temp: 23.1

Date: 03-29-13

RotaStop: 0700

Speed: 30 rpm

	-1-	-2-	-3-	-4-
Lab ID	3033360-01	BLANK-1		
Description	Black waste water 1 L (GLASS)	EXTRACTION FLUID #1		
Sample Wt.	100.01	—		
(a) Dry Filter Wt.				
(b) Solids + Filter Wt.				
(c) Solids Wt. = (b) - (a)				
(d) Beaker Tare Wt.				
(e) Beaker + Liquid Wt.				
(f) Liquid Phase Wt. = (e) - (d)				
% Liquid Phase = (f) * 100 / ((f) + (c))				
% Solids = (c) * 100 / ((f) + (c))	100%	0%		
pH(1) / pH(2)	5.50 / 1.80	4.93		
Fluid # / pH(EF)	1 / 4.93	1 / 4.93		
Extraction Fluid ID	3C25033	3C25033		
Fluid Volume	2000 ml	2000 ml		
pH(f)	4.97	4.94		
# of Phases	1	1		
% Volume of each Phase				
Apparatus	B-2	B-1		
Nitric Acid Lot# (metals)	3C07001	3C07001		

Comments:

Leachate Transferred	Relinquished by	Date	Time	Transferred to	Org	Metals
1-2	Mary Piker	04-01-13	7:45	Track		Y
1-2	Mary Piker	04-01-13	08:45	Therminator	X	
1-2	Mary Piker	04-01-13	09:20	Heather Calvert	LOG IN	

SER#: B304911

Page 1 of 1

SUBCONTRACT ORDER

PDC Laboratories, Inc.

3033360

MS

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- 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 4/8/13
 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: 3033360-01	Water	Sampled:03/28/13 22:45	
M8151TCLP	04/03/13 16:00	04/04/13 22:45	
M8084TCLP	04/03/13 16:00	04/04/13 22:45	
SW 1311 - TCLP Organics	04/03/13 16:00	04/25/13 22:45	All TCLP tumbled at STL
TOC	04/03/13 16:00	04/25/13 22:45	
M8270 TCLP	04/03/13 16:00	04/04/13 22:45	Sample already tumbled & extracted
Sample ID: 3033360-02	Water	Sampled:03/28/13 23:15	
M8270	04/03/13 16:00	04/04/13 23:15	Sample already extracted
Sample ID: 3033360-03	Water	Sampled:03/28/13 23:54	
M8270	04/03/13 16:00	04/04/13 23:54	Sample already extracted
Sample ID: 3033360-04	Water	Sampled:03/29/13 00:15	
M8270	04/03/13 16:00	04/05/13 00:15	Sample already extracted

Turn-Around Time Requested (circle one): RUSH Date Results Needed: ASAP

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

Received By: M. Shuler, 4/9/13, 9:30

Roxann Shull

From: Ed Galbraith <EGalbraith@barr.com>
Sent: Thursday, April 11, 2013 11:41 AM
To: Roxann Shull
Subject: Preliminary data for PDC lab data 3033360 3040075

Roxann,

Depending on whether there is still enough hold time remaining, please draw a sample from 3033360-02, 03, 04 and 05 and run for 5310-C TOC. Turn around time as per usual, as quickly as possible. Thanks.

Thanks.

Ed Galbraith

Senior Environmental Scientist
Jefferson City office: 573.638.5024
cell: 573.418.5562
egalbraith@barr.com
www.barr.com

From: Ed Galbraith [<mailto:EGalbraith@barr.com>]
Sent: Wednesday, April 10, 2013 12:58 PM
To: Roxann Shull
Subject: RE: Preliminary data for PDC lab data 3033360 3040075

Roxann,

This is to confirm our conversation that you are going to draw a sample from 3033360-01 and 3040075-01 and run for 5310C TOC. Thanks.

Ed Galbraith

Senior Environmental Scientist
Jefferson City office: 573.638.5024
cell: 573.418.5562
egalbraith@barr.com
www.barr.com



From: Roxann Shull [<mailto:rshull@pdclab.com>]
Sent: Monday, April 08, 2013 11:07 AM
To: Ed Galbraith
Subject: RE: Preliminary data for PDC lab data 3033360 3040075

SUBCONTRACT ORDER

**PDC Laboratories, Inc.
3033360**

mp

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 4/12/13
 Sample Origin (State) MO
 PO# _____
 Total # of Containers 4

RECEIVING LABORATORY:

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

Analysis	Due	Expires	Comments
Sample ID: 3033360-01	Water	Sampled:03/28/13 22:45	
M8151TCLP	04/03/13 16:00	04/04/13 22:45	<i>Already received</i>
M8081TCLP	04/03/13 16:00	04/04/13 22:45	
TOC	04/03/13 16:00	04/25/13 22:45	
Sample ID: 3033360-02	Water	Sampled:03/28/13 23:15	
TOC	04/03/13 16:00	04/25/13 23:15	
Sample ID: 3033360-03	Water	Sampled:03/28/13 23:54	
TOC	04/03/13 16:00	04/25/13 23:54	
Sample ID: 3033360-04	Water	Sampled:03/29/13 00:15	
TOC	04/03/13 16:00	04/26/13 00:15	
Sample ID: 3033360-05	Water	Sampled:03/29/13 00:30	
TOC	04/03/13 16:00	04/26/13 00:30	

Turn-Around Time Requested (circle one): NORMAL **RUSH** Date Results Needed: ASAP

Relinquished By <u>Heather Gault 4/12/13</u>		Received By _____		Sample Temperature Upon Receipt _____ C
Date/Time _____		Date/Time _____		Sample(s) Received on Ice _____ Y or N
Relinquished By _____		Received By _____		Proper Bottles Received in Good Condition _____ Y or N
Date/Time _____		Date/Time _____		Bottles Filled with Adequate Volume _____ Y or N
Relinquished By _____		Received By _____		Samples Received Within Hold Time _____ Y or N
Date/Time _____		Date/Time _____		Date/Time Taken From Sample Bottle _____ Y or N



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-01**
Sample Description: **Untreated Commingled TCLP**

Collect Date: **04/04/13 15:15**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
General Chemistry - PIA					
Total Organic Carbon (TOC)	15000 mg/L		04/11/13 16:29	Igtas	5310C KS,IL,IA,WI,AR
Herbicides- TCLP - PIA					
2,4-D	< 0.1 mg/L		04/13/13 00:49	JMT	SW 8151A IL,KS,IA
Silvex	< 0.05 mg/L		04/13/13 00:49	JMT	SW 8151A IL,KS,IA
Pesticides-TCLP - PIA					
Chlordane (technical)	< 0.010 mg/L		04/13/13 02:40	ELS	SW 8081A IA,IL,KS
Endrin	< 0.0005 mg/L		04/13/13 02:40	ELS	SW 8081A IA,IL,KS
gamma-BHC (Lindane)	< 0.0005 mg/L		04/13/13 02:40	ELS	SW 8081A IA,IL,KS
Heptachlor	< 0.0005 mg/L		04/13/13 02:40	ELS	SW 8081A IA,IL,KS
Heptachlor epoxide	< 0.0005 mg/L		04/13/13 02:40	ELS	SW 8081A IA,IL,KS
Methoxychlor	< 0.002 mg/L		04/13/13 02:40	ELS	SW 8081A IA,IL,KS
Toxaphene	< 0.010 mg/L		04/13/13 02:40	ELS	SW 8081A IA,IL,KS
Semivolatile Organics-TCLP - STL					
2,4,5-Trichlorophenol	< 100 ug/L		04/11/13 21:47	jk	SW 8270C 04KS
2,4,6-Trichlorophenol	< 100 ug/L		04/11/13 21:47	jk	SW 8270C 04KS
2,4-Dinitrotoluene	< 100 ug/L		04/11/13 21:47	jk	SW 8270C 04KS
2-Methylphenol	< 100 ug/L		04/11/13 21:47	jk	SW 8270C 04KS
3- & 4-Methylphenol	120 ug/L		04/11/13 21:47	jk	SW 8270C 04KS
Hexachlorobenzene	< 100 ug/L		04/11/13 21:47	jk	SW 8270C 04KS
Hexachlorobutadiene	< 100 ug/L		04/11/13 21:47	jk	SW 8270C 04KS
Hexachloroethane	< 100 ug/L		04/11/13 21:47	jk	SW 8270C 04KS
Nitrobenzene	< 100 ug/L		04/11/13 21:47	jk	SW 8270C 04KS
Pentachlorophenol	< 100 ug/L		04/11/13 21:47	jk	SW 8270C 04KS
Pyridine	< 100 ug/L		04/11/13 21:47	jk	SW 8270C 04KS
Surrogate: 2-Fluorophenol	58 % 28-92		04/11/13 21:47	jk	SW 8270C
Surrogate: Phenol- d5	51 % 11-100		04/11/13 21:47	jk	SW 8270C
Surrogate: Nitrobenzene-d5	74 % 48-105		04/11/13 21:47	jk	SW 8270C
Surrogate: 2-Fluorobiphenyl	68 % 41-107		04/11/13 21:47	jk	SW 8270C
Surrogate: 2,4,6-Tribromophenol	77 % 36-108		04/11/13 21:47	jk	SW 8270C
Surrogate: p-Terphenyl-d14	64 % 45-117		04/11/13 21:47	jk	SW 8270C

TCLP - STL



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-01**
Sample Description: **Untreated Commingled TCLP**

Collect Date: **04/04/13 15:15**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>TCLP - STL</u>					
Final pH	5.0		04/09/13 09:30	MEP	SW 1311*
<u>TCLP Metals - STL</u>					
Final pH	5.0		04/09/13 09:30	MEP	SW 1311 04KS
Mercury	< 0.0002 mg/L		04/10/13 11:33	WPS	SW 7470A 04KS
Arsenic	0.046 mg/L		04/15/13 09:36	WPS	SW 6010B 04KS
Barium	0.17 mg/L		04/15/13 09:36	WPS	SW 6010B 04KS
Cadmium	< 0.0040 mg/L		04/15/13 09:36	WPS	SW 6010B 04KS
Chromium	0.011 mg/L		04/15/13 09:36	WPS	SW 6010B 04KS
Lead	0.021 mg/L		04/15/13 09:36	WPS	SW 6010B 04KS
Selenium	0.040 mg/L		04/15/13 09:36	WPS	SW 6010B 04KS
Silver	< 0.0030 mg/L		04/15/13 09:36	WPS	SW 6010B 04KS
<u>Volatile Organics- TCLP - STL</u>					
1,1-Dichloroethene	< 200 ug/L		04/11/13 13:28	BP	SW 8260B*
1,2-Dichloroethane	< 200 ug/L		04/11/13 13:28	BP	SW 8260B*
1,4-Dichlorobenzene	< 200 ug/L		04/11/13 13:28	BP	SW 8260B*
2-Butanone	2200 ug/L		04/11/13 13:28	BP	SW 8260B*
Benzene	< 200 ug/L		04/11/13 13:28	BP	SW 8260B*
Carbon tetrachloride	< 200 ug/L		04/11/13 13:28	BP	SW 8260B*
Chlorobenzene	< 200 ug/L		04/11/13 13:28	BP	SW 8260B*
Chloroform	< 200 ug/L		04/11/13 13:28	BP	SW 8260B*
Tetrachloroethene	< 200 ug/L		04/11/13 13:28	BP	SW 8260B*
Trichloroethene	< 200 ug/L		04/11/13 13:28	BP	SW 8260B*
Vinyl chloride	< 200 ug/L		04/11/13 13:28	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	98 % 59.4-135		04/11/13 13:28	BP	SW 8260B
Surrogate: Toluene-d8	96 % 77.7-111		04/11/13 13:28	BP	SW 8260B
Surrogate: Bromofluorobenzene	106 % 74-125		04/11/13 13:28	BP	SW 8260B

Sample No: **3041168-02**
Sample Description: **Untreated Commingled Voa/Svoc 1**

Collect Date: **04/04/13 15:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-02**
Sample Description: **Untreated Commingled Voa/Svoc 1**

Collect Date: **04/04/13 15:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
1,2,4-Trichlorobenzene	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
1,2-Dichlorobenzene	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
1,3-Dichlorobenzene	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
1,4-Dichlorobenzene	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
2,4,5-Trichlorophenol	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
2,4,6-Trichlorophenol	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
2,4-Dichlorophenol	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
2,4-Dimethylphenol	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
2,4-Dinitrophenol	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
2,4-Dinitrotoluene	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
2,6-Dimethylaniline	< 50.0 ug/L		04/12/13 00:41	jk	SW 8270C*
2,6-Dinitrotoluene	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
2-Chloronaphthalene	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
2-Chlorophenol	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
2-Methylnaphthalene	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
2-Methylphenol	560 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
2-Nitroaniline	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
2-Nitrophenol	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
3- & 4-Methylphenol	1650 ug/L		04/12/13 17:09	jk	SW 8270C 04KS
3,3'-Dichlorobenzidine	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
3-Nitroaniline	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
4,6-Dinitro-2-methylphenol	< 100 ug/L	C, X	04/12/13 00:41	jk	SW 8270C 04KS
4-Bromophenylphenyl ether	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
4-Chloro-3-methylphenol	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
4-Chloroaniline	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
4-Chlorophenylphenyl ether	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
4-Nitroaniline	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
4-Nitrophenol	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
Acenaphthene	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
Acenaphthylene	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
Aniline	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
Anthracene	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
Azobenzene	< 100 ug/L		04/12/13 00:41	jk	SW 8270C*



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-02**
Sample Description: **Untreated Commingled Voa/Svoc 1**

Collect Date: **04/04/13 15:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
Benzidine	< 100 ug/L		04/12/13 00:41	jk	SW 8270C*
Benzo(a)anthracene	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
Benzo(a)pyrene	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
Benzo(b&k)fluoranthene	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
Benzo(b)fluoranthene	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
Benzo(g,h,i)perylene	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
Benzo(k)fluoranthene	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
Benzoic Acid	< 100 ug/L		04/12/13 00:41	jk	SW 8270C*
Benzyl alcohol	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
Bis(2-chloroethoxy) methane	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
Bis(2-chloroethyl) ether	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
Bis(2-chloroisopropyl) ether	< 100 ug/L		04/12/13 00:41	jk	SW 8270C*
Bis(2-ethylhexyl) phthalate	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
Butyl benzyl phthalate	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
Carbazole	< 100 ug/L		04/12/13 00:41	jk	SW 8270C*
Chrysene	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
Dibenzo(a,h)anthracene	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
Dibenzofuran	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
Diethyl phthalate	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
Dimethyl phthalate	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
Di-n-butyl phthalate	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
Di-n-octyl phthalate	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
Diphenylamine	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
Fluoranthene	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
Fluorene	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
Hexachlorobenzene	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
Hexachlorobutadiene	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
Hexachlorocyclopentadiene	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
Hexachloroethane	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
Indeno(1,2,3-cd)pyrene	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
Isophorone	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
Naphthalene	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
Nitrobenzene	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-02**
Sample Description: **Untreated Commingled Voa/Svoc 1**

Collect Date: **04/04/13 15:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
N-Nitrosodimethylamine	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
N-Nitrosodi-n-propylamine	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
Pentachlorophenol	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
Phenanthrene	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
Phenol	4060 ug/L		04/12/13 17:09	jk	SW 8270C 04KS
Pyrene	< 100 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
Pyridine	114 ug/L		04/12/13 00:41	jk	SW 8270C 04KS
Surrogate: 2-Fluorophenol	25 % 10-35	S	04/12/13 00:41	jk	SW 8270C
Surrogate: Phenol- d5	73 % 10-26	S	04/12/13 00:41	jk	SW 8270C
Surrogate: Nitrobenzene-d5	31 % 22-105	S	04/12/13 00:41	jk	SW 8270C
Surrogate: 2-Fluorobiphenyl	44 % 30-97	S	04/12/13 00:41	jk	SW 8270C
Surrogate: 2,4,6-Tribromophenol	24 % 10-93	S	04/12/13 00:41	jk	SW 8270C
Surrogate: p-Terphenyl-d14	40 % 22-115	S	04/12/13 00:41	jk	SW 8270C
Volatile Organics - STL					
1,1,1,2-Tetrachloroethane	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
1,1,1-Trichloroethane	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
1,1,2,2-Tetrachloroethane	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 100 ug/L		04/11/13 23:49	BP	SW 8260B*
1,1,2-Trichloroethane	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
1,1-Dichloroethane	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
1,1-Dichloroethene	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
1,1-Dichloropropene	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
1,2,3-Trichlorobenzene	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
1,2,3-Trichloropropane	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
1,2,4-Trichlorobenzene	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
1,2,4-Trimethylbenzene	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
1,2-Dibromo-3-chloropropane	< 100 ug/L		04/11/13 23:49	BP	SW 8260B*
1,2-Dibromoethane	< 100 ug/L		04/11/13 23:49	BP	SW 8260B*
1,2-Dichloroethene- Total	< 200 ug/L		04/11/13 23:49	BP	SW 8260B*
1,2-Dichlorobenzene	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
1,2-Dichloroethane	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
1,2-Dichloropropane	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-02**
Sample Description: **Untreated Commingled Voa/Svoc 1**

Collect Date: **04/04/13 15:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
1,3,5-Trimethylbenzene	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
1,3-Dichlorobenzene	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
1,3-Dichloropropane	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
1,3-Dichloropropene - Total	< 200 ug/L		04/11/13 23:49	BP	SW 8260B*
1,4-Dichlorobenzene	110 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
1,4-Dioxane	< 500 ug/L		04/11/13 23:49	BP	SW 8260B*
2,2-Dichloropropane	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
2-Butanone	30000 ug/L		04/11/13 20:26	BP	SW 8260B 04KS
2-Chloroethylvinyl ether	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
2-Chlorotoluene	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
2-Hexanone	700 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
2-Nitropropane	< 200 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
4-Chlorotoluene	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
4-Methyl-2-pentanone (MIBK)	< 200 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
Acetone	86000 ug/L		04/11/13 20:26	BP	SW 8260B 04KS
Acetonitrile	< 500 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
Acrolein	< 500 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
Acrylonitrile	< 200 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
Allyl Chloride	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
Benzene	450 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
Bromobenzene	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
Bromochloromethane	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
Bromodichloromethane	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
Bromoform	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
Bromomethane	< 200 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
Carbon disulfide	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
Carbon tetrachloride	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
Chlorobenzene	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
Chloroethane	< 200 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
Chloroform	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
Chloromethane	< 200 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
cis-1,2-Dichloroethene	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
cis-1,3-Dichloropropene	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-02**

Collect Date: **04/04/13 15:30**

Sample Description: **Untreated Commingled Voa/Svoc 1**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
Dibromochloromethane	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
Dibromomethane	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
Dichlorodifluoromethane	< 200 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
Ethyl methacrylate	< 100 ug/L		04/11/13 23:49	BP	SW 8260B*
Ethylbenzene	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
Hexachlorobutadiene	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
Iodomethane	< 200 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
Isobutanol	58000 ug/L		04/11/13 20:26	BP	SW 8260B*
Isopropylbenzene	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
m,p-Xylene	< 200 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
Methacrylonitrile	< 100 ug/L		04/11/13 23:49	BP	SW 8260B*
Methyl methacrylate	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
Methylene chloride	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
MTBE	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
Naphthalene	280 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
n-Butylbenzene	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
n-Propylbenzene	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
o-Xylene	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
p-Isopropyl toluene	240 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
Propionitrile	< 200 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
sec-Butylbenzene	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
Styrene	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
tert-Butylbenzene	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
Tetrachloroethene	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
Toluene	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
trans-1,2-Dichloroethene	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
trans-1,3-Dichloropropene	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
trans-1,4-Dichloro-2-butene	< 100 ug/L		04/11/13 23:49	BP	SW 8260B*
Trichloroethene	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
Trichlorofluoromethane	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
Vinyl acetate	< 200 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
Vinyl chloride	< 100 ug/L		04/11/13 23:49	BP	SW 8260B 04KS
Xylenes- Total	< 300 ug/L		04/11/13 23:49	BP	SW 8260B*



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Bridgeton Landfill
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St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-02**
Sample Description: **Untreated Commingled Voa/Svoc 1**

Collect Date: **04/04/13 15:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - STL</u>					
Surrogate: 1,2-Dichloroethane-d4	101 % 65-134		04/11/13 23:49	BP	SW 8260B
Surrogate: Bromofluorobenzene	76 % 75.1-125		04/11/13 23:49	BP	SW 8260B
Surrogate: Toluene-d8	100 % 74.2-117		04/11/13 23:49	BP	SW 8260B

Sample No: **3041168-03**
Sample Description: **Untreated Commingled Voa/Svoc 2**

Collect Date: **04/04/13 16:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Semivolatile Organics - STL</u>					
1,2,4-Trichlorobenzene	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
1,2-Dichlorobenzene	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
1,3-Dichlorobenzene	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
1,4-Dichlorobenzene	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
2,4,5-Trichlorophenol	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
2,4,6-Trichlorophenol	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
2,4-Dichlorophenol	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
2,4-Dimethylphenol	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
2,4-Dinitrophenol	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
2,4-Dinitrotoluene	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
2,6-Dimethylaniline	< 50.0 ug/L		04/12/13 01:24	jk	SW 8270C*
2,6-Dinitrotoluene	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
2-Chloronaphthalene	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
2-Chlorophenol	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
2-Methylnaphthalene	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
2-Methylphenol	548 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
2-Nitroaniline	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
2-Nitrophenol	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
3- & 4-Methylphenol	1490 ug/L		04/12/13 17:53	jk	SW 8270C 04KS
3,3'-Dichlorobenzidine	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
3-Nitroaniline	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
4,6-Dinitro-2-methylphenol	< 100 ug/L	C, X	04/12/13 01:24	jk	SW 8270C 04KS
4-Bromophenylphenyl ether	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-03**

Collect Date: **04/04/13 16:00**

Sample Description: **Untreated Commingled Voa/Svoc 2**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
4-Chloro-3-methylphenol	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
4-Chloroaniline	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
4-Chlorophenylphenyl ether	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
4-Nitroaniline	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
4-Nitrophenol	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
Acenaphthene	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
Acenaphthylene	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
Aniline	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
Anthracene	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
Azobenzene	< 100 ug/L		04/12/13 01:24	jk	SW 8270C*
Benzidine	< 100 ug/L		04/12/13 01:24	jk	SW 8270C*
Benzo(a)anthracene	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
Benzo(a)pyrene	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
Benzo(b&k)fluoranthene	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
Benzo(b)fluoranthene	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
Benzo(g,h,i)perylene	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
Benzo(k)fluoranthene	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
Benzoic Acid	< 100 ug/L		04/12/13 01:24	jk	SW 8270C*
Benzyl alcohol	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
Bis(2-chloroethoxy) methane	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
Bis(2-chloroethyl) ether	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
Bis(2-chloroisopropyl) ether	< 100 ug/L		04/12/13 01:24	jk	SW 8270C*
Bis(2-ethylhexyl) phthalate	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
Butyl benzyl phthalate	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
Carbazole	< 100 ug/L		04/12/13 01:24	jk	SW 8270C*
Chrysene	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
Dibenzo(a,h)anthracene	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
Dibenzofuran	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
Diethyl phthalate	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
Dimethyl phthalate	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
Di-n-butyl phthalate	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
Di-n-octyl phthalate	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
Diphenylamine	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS



PDC Laboratories, Inc.

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-03**

Collect Date: **04/04/13 16:00**

Sample Description: **Untreated Commingled Voa/Svoc 2**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
Fluoranthene	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
Fluorene	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
Hexachlorobenzene	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
Hexachlorobutadiene	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
Hexachlorocyclopentadiene	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
Hexachloroethane	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
Indeno(1,2,3-cd)pyrene	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
Isophorone	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
Naphthalene	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
Nitrobenzene	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
N-Nitrosodimethylamine	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
N-Nitrosodi-n-propylamine	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
Pentachlorophenol	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
Phenanthrene	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
Phenol	3130 ug/L		04/12/13 17:53	jk	SW 8270C 04KS
Pyrene	< 100 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
Pyridine	111 ug/L		04/12/13 01:24	jk	SW 8270C 04KS
Surrogate: 2-Fluorophenol	19 % 10-35	S	04/12/13 01:24	jk	SW 8270C
Surrogate: Phenol- d5	70 % 10-26	S	04/12/13 01:24	jk	SW 8270C
Surrogate: Nitrobenzene-d5	72 % 22-105	S	04/12/13 01:24	jk	SW 8270C
Surrogate: 2-Fluorobiphenyl	31 % 30-97	S	04/12/13 01:24	jk	SW 8270C
Surrogate: 2,4,6-Tribromophenol	13 % 10-93	S	04/12/13 01:24	jk	SW 8270C
Surrogate: p-Terphenyl-d14	28 % 22-115	S	04/12/13 01:24	jk	SW 8270C
Volatile Organics - STL					
1,1,1,2-Tetrachloroethane	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
1,1,1-Trichloroethane	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
1,1,2,2-Tetrachloroethane	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 100 ug/L		04/12/13 00:14	BP	SW 8260B*
1,1,2-Trichloroethane	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
1,1-Dichloroethane	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
1,1-Dichloroethene	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
1,1-Dichloropropene	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-03**

Collect Date: **04/04/13 16:00**

Sample Description: **Untreated Commingled Voa/Svoc 2**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
1,2,3-Trichlorobenzene	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
1,2,3-Trichloropropane	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
1,2,4-Trichlorobenzene	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
1,2,4-Trimethylbenzene	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
1,2-Dibromo-3-chloropropane	< 100 ug/L		04/12/13 00:14	BP	SW 8260B*
1,2-Dibromoethane	< 100 ug/L		04/12/13 00:14	BP	SW 8260B*
1,2-Dichloroethene- Total	< 200 ug/L		04/12/13 00:14	BP	SW 8260B*
1,2-Dichlorobenzene	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
1,2-Dichloroethane	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
1,2-Dichloropropane	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
1,3,5-Trimethylbenzene	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
1,3-Dichlorobenzene	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
1,3-Dichloropropane	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
1,3-Dichloropropene - Total	< 200 ug/L		04/12/13 00:14	BP	SW 8260B*
1,4-Dichlorobenzene	110 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
1,4-Dioxane	< 500 ug/L		04/12/13 00:14	BP	SW 8260B*
2,2-Dichloropropane	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
2-Butanone	29000 ug/L		04/11/13 20:51	BP	SW 8260B 04KS
2-Chloroethylvinyl ether	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
2-Chlorotoluene	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
2-Hexanone	730 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
2-Nitropropane	< 200 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
4-Chlorotoluene	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
4-Methyl-2-pentanone (MIBK)	< 200 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
Acetone	95000 ug/L		04/11/13 20:51	BP	SW 8260B 04KS
Acetonitrile	< 500 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
Acrolein	< 500 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
Acrylonitrile	< 200 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
Allyl Chloride	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
Benzene	460 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
Bromobenzene	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
Bromochloromethane	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
Bromodichloromethane	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-03**

Collect Date: **04/04/13 16:00**

Sample Description: **Untreated Commingled Voa/Svoc 2**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - STL</u>					
Bromoform	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
Bromomethane	< 200 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
Carbon disulfide	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
Carbon tetrachloride	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
Chlorobenzene	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
Chloroethane	< 200 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
Chloroform	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
Chloromethane	< 200 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
cis-1,2-Dichloroethene	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
cis-1,3-Dichloropropene	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
Dibromochloromethane	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
Dibromomethane	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
Dichlorodifluoromethane	< 200 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
Ethyl methacrylate	< 100 ug/L		04/12/13 00:14	BP	SW 8260B*
Ethylbenzene	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
Hexachlorobutadiene	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
Iodomethane	< 200 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
Isobutanol	58000 ug/L		04/11/13 20:51	BP	SW 8260B*
Isopropylbenzene	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
m,p-Xylene	< 200 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
Methacrylonitrile	< 100 ug/L		04/12/13 00:14	BP	SW 8260B*
Methyl methacrylate	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
Methylene chloride	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
MTBE	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
Naphthalene	290 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
n-Butylbenzene	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
n-Propylbenzene	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
o-Xylene	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
p-Isopropyl toluene	230 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
Propionitrile	< 200 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
sec-Butylbenzene	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
Styrene	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
tert-Butylbenzene	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-03**
Sample Description: **Untreated Commingled Voa/Svoc 2**

Collect Date: **04/04/13 16:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
Tetrachloroethene	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
Toluene	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
trans-1,2-Dichloroethene	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
trans-1,3-Dichloropropene	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
trans-1,4-Dichloro-2-butene	< 100 ug/L		04/12/13 00:14	BP	SW 8260B*
Trichloroethene	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
Trichlorofluoromethane	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
Vinyl acetate	< 200 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
Vinyl chloride	< 100 ug/L		04/12/13 00:14	BP	SW 8260B 04KS
Xylenes- Total	< 300 ug/L		04/12/13 00:14	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	101 % 65-134		04/11/13 20:51	BP	SW 8260B
Surrogate: Bromofluorobenzene	100 % 75.1-125		04/11/13 20:51	BP	SW 8260B
Surrogate: Toluene-d8	95 % 74.2-117		04/11/13 20:51	BP	SW 8260B

Sample No: **3041168-04**
Sample Description: **Untreated Commingled Voa/Svoc 3**

Collect Date: **04/04/13 16:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
1,2,4-Trichlorobenzene	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
1,2-Dichlorobenzene	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
1,3-Dichlorobenzene	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
1,4-Dichlorobenzene	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
2,4,5-Trichlorophenol	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
2,4,6-Trichlorophenol	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
2,4-Dichlorophenol	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
2,4-Dimethylphenol	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
2,4-Dinitrophenol	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
2,4-Dinitrotoluene	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
2,6-Dimethylaniline	< 50.0 ug/L		04/12/13 02:07	jk	SW 8270C*
2,6-Dinitrotoluene	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
2-Chloronaphthalene	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS



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Bridgeton Landfill
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St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-04**

Collect Date: **04/04/13 16:30**

Sample Description: **Untreated Commingled Voa/Svoc 3**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
2-Chlorophenol	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
2-Methylnaphthalene	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
2-Methylphenol	683 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
2-Nitroaniline	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
2-Nitrophenol	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
3- & 4-Methylphenol	1850 ug/L		04/12/13 18:36	jk	SW 8270C 04KS
3,3'-Dichlorobenzidine	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
3-Nitroaniline	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
4,6-Dinitro-2-methylphenol	< 100 ug/L	C, X	04/12/13 02:07	jk	SW 8270C 04KS
4-Bromophenylphenyl ether	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
4-Chloro-3-methylphenol	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
4-Chloroaniline	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
4-Chlorophenylphenyl ether	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
4-Nitroaniline	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
4-Nitrophenol	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
Acenaphthene	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
Acenaphthylene	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
Aniline	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
Anthracene	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
Azobenzene	< 100 ug/L		04/12/13 02:07	jk	SW 8270C*
Benzidine	< 100 ug/L		04/12/13 02:07	jk	SW 8270C*
Benzo(a)anthracene	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
Benzo(a)pyrene	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
Benzo(b&k)fluoranthene	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
Benzo(b)fluoranthene	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
Benzo(g,h,i)perylene	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
Benzo(k)fluoranthene	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
Benzoic Acid	< 100 ug/L		04/12/13 02:07	jk	SW 8270C*
Benzyl alcohol	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
Bis(2-chloroethoxy) methane	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
Bis(2-chloroethyl) ether	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
Bis(2-chloroisopropyl) ether	< 100 ug/L		04/12/13 02:07	jk	SW 8270C*
Bis(2-ethylhexyl) phthalate	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS



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Bridgeton Landfill
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Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-04**

Collect Date: **04/04/13 16:30**

Sample Description: **Untreated Commingled Voa/Svoc 3**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
Butyl benzyl phthalate	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
Carbazole	< 100 ug/L		04/12/13 02:07	jk	SW 8270C*
Chrysene	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
Dibenzo(a,h)anthracene	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
Dibenzofuran	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
Diethyl phthalate	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
Dimethyl phthalate	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
Di-n-butyl phthalate	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
Di-n-octyl phthalate	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
Diphenylamine	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
Fluoranthene	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
Fluorene	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
Hexachlorobenzene	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
Hexachlorobutadiene	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
Hexachlorocyclopentadiene	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
Hexachloroethane	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
Indeno(1,2,3-cd)pyrene	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
Isophorone	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
Naphthalene	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
Nitrobenzene	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
N-Nitrosodimethylamine	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
N-Nitrosodi-n-propylamine	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
Pentachlorophenol	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
Phenanthrene	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
Phenol	4480 ug/L		04/12/13 18:36	jk	SW 8270C 04KS
Pyrene	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
Pyridine	< 100 ug/L		04/12/13 02:07	jk	SW 8270C 04KS
Surrogate: 2-Fluorophenol	30 %	10-35	S	04/12/13 02:07	jk SW 8270C
Surrogate: Phenol- d5	15 %	10-26	S	04/12/13 02:07	jk SW 8270C
Surrogate: Nitrobenzene-d5	84 %	22-105	S	04/12/13 02:07	jk SW 8270C
Surrogate: 2-Fluorobiphenyl	38 %	30-97	S	04/12/13 02:07	jk SW 8270C
Surrogate: 2,4,6-Tribromophenol	19 %	10-93	S	04/12/13 02:07	jk SW 8270C
Surrogate: p-Terphenyl-d14	39 %	22-115	S	04/12/13 02:07	jk SW 8270C



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-04**

Collect Date: **04/04/13 16:30**

Sample Description: **Untreated Commingled Voa/Svoc 3**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
1,1,1,2-Tetrachloroethane	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
1,1,1-Trichloroethane	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
1,1,2,2-Tetrachloroethane	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 100 ug/L		04/12/13 00:39	BP	SW 8260B*
1,1,2-Trichloroethane	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
1,1-Dichloroethane	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
1,1-Dichloroethene	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
1,1-Dichloropropene	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
1,2,3-Trichlorobenzene	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
1,2,3-Trichloropropane	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
1,2,4-Trichlorobenzene	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
1,2,4-Trimethylbenzene	110 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
1,2-Dibromo-3-chloropropane	< 100 ug/L		04/12/13 00:39	BP	SW 8260B*
1,2-Dibromoethane	< 100 ug/L		04/12/13 00:39	BP	SW 8260B*
1,2-Dichloroethene- Total	< 200 ug/L		04/12/13 00:39	BP	SW 8260B*
1,2-Dichlorobenzene	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
1,2-Dichloroethane	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
1,2-Dichloropropane	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
1,3,5-Trimethylbenzene	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
1,3-Dichlorobenzene	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
1,3-Dichloropropane	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
1,3-Dichloropropene - Total	< 200 ug/L		04/12/13 00:39	BP	SW 8260B*
1,4-Dichlorobenzene	120 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
1,4-Dioxane	< 500 ug/L		04/12/13 00:39	BP	SW 8260B*
2,2-Dichloropropane	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
2-Butanone	40000 ug/L		04/11/13 21:17	BP	SW 8260B 04KS
2-Chloroethylvinyl ether	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
2-Chlorotoluene	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
2-Hexanone	760 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
2-Nitropropane	< 200 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
4-Chlorotoluene	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
4-Methyl-2-pentanone (MIBK)	< 200 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
Acetone	110000 ug/L		04/11/13 21:17	BP	SW 8260B 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-04**

Collect Date: **04/04/13 16:30**

Sample Description: **Untreated Commingled Voa/Svoc 3**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - STL</u>					
Acetonitrile	< 500 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
Acrolein	< 500 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
Acrylonitrile	< 200 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
Allyl Chloride	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
Benzene	520 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
Bromobenzene	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
Bromochloromethane	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
Bromodichloromethane	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
Bromoform	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
Bromomethane	< 200 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
Carbon disulfide	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
Carbon tetrachloride	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
Chlorobenzene	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
Chloroethane	< 200 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
Chloroform	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
Chloromethane	< 200 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
cis-1,2-Dichloroethene	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
cis-1,3-Dichloropropene	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
Dibromochloromethane	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
Dibromomethane	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
Dichlorodifluoromethane	< 200 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
Ethyl methacrylate	< 100 ug/L		04/12/13 00:39	BP	SW 8260B*
Ethylbenzene	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
Hexachlorobutadiene	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
Iodomethane	< 200 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
Isobutanol	61000 ug/L		04/11/13 21:17	BP	SW 8260B*
Isopropylbenzene	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
m,p-Xylene	< 200 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
Methacrylonitrile	< 100 ug/L		04/12/13 00:39	BP	SW 8260B*
Methyl methacrylate	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
Methylene chloride	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
MTBE	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
Naphthalene	310 ug/L		04/12/13 00:39	BP	SW 8260B 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-04**

Sample Description: **Untreated Commingled Voa/Svoc 3**

Collect Date: **04/04/13 16:30**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
n-Butylbenzene	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
n-Propylbenzene	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
o-Xylene	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
p-Isopropyl toluene	260 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
Propionitrile	< 200 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
sec-Butylbenzene	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
Styrene	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
tert-Butylbenzene	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
Tetrachloroethene	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
Toluene	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
trans-1,2-Dichloroethene	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
trans-1,3-Dichloropropene	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
trans-1,4-Dichloro-2-butene	< 100 ug/L		04/12/13 00:39	BP	SW 8260B*
Trichloroethene	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
Trichlorofluoromethane	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
Vinyl acetate	< 200 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
Vinyl chloride	< 100 ug/L		04/12/13 00:39	BP	SW 8260B 04KS
Xylenes- Total	< 300 ug/L		04/12/13 00:39	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	101 % 65-134		04/11/13 21:17	BP	SW 8260B
Surrogate: Bromofluorobenzene	96 % 75.1-125		04/11/13 21:17	BP	SW 8260B
Surrogate: Toluene-d8	100 % 74.2-117		04/11/13 21:17	BP	SW 8260B

Sample No: **3041168-05**

Sample Description: **Untreated Commingled Voa/Svoc 4**

Collect Date: **04/04/13 16:45**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
1,2,4-Trichlorobenzene	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
1,2-Dichlorobenzene	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
1,3-Dichlorobenzene	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
1,4-Dichlorobenzene	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
2,4,5-Trichlorophenol	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS

3041168



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-05**

Collect Date: **04/04/13 16:45**

Sample Description: **Untreated Commingled Voa/Svoc 4**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
2,4,6-Trichlorophenol	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
2,4-Dichlorophenol	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
2,4-Dimethylphenol	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
2,4-Dinitrophenol	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
2,4-Dinitrotoluene	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
2,6-Dimethylaniline	< 50.0 ug/L		04/12/13 02:50	jk	SW 8270C*
2,6-Dinitrotoluene	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
2-Chloronaphthalene	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
2-Chlorophenol	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
2-Methylnaphthalene	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
2-Methylphenol	615 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
2-Nitroaniline	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
2-Nitrophenol	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
3- & 4-Methylphenol	1810 ug/L		04/12/13 19:19	jk	SW 8270C 04KS
3,3'-Dichlorobenzidine	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
3-Nitroaniline	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
4,6-Dinitro-2-methylphenol	< 100 ug/L	C, X	04/12/13 02:50	jk	SW 8270C 04KS
4-Bromophenylphenyl ether	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
4-Chloro-3-methylphenol	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
4-Chloroaniline	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
4-Chlorophenylphenyl ether	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
4-Nitroaniline	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
4-Nitrophenol	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
Acenaphthene	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
Acenaphthylene	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
Aniline	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
Anthracene	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
Azobenzene	< 100 ug/L		04/12/13 02:50	jk	SW 8270C*
Benzidine	< 100 ug/L		04/12/13 02:50	jk	SW 8270C*
Benzo(a)anthracene	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
Benzo(a)pyrene	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
Benzo(b&k)fluoranthene	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
Benzo(b)fluoranthene	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-05**

Collect Date: **04/04/13 16:45**

Sample Description: **Untreated Commingled Voa/Svoc 4**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
Benzo(g,h,i)perylene	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
Benzo(k)fluoranthene	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
Benzoic Acid	< 100 ug/L		04/12/13 02:50	jk	SW 8270C*
Benzyl alcohol	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
Bis(2-chloroethoxy) methane	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
Bis(2-chloroethyl) ether	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
Bis(2-chloroisopropyl) ether	< 100 ug/L		04/12/13 02:50	jk	SW 8270C*
Bis(2-ethylhexyl) phthalate	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
Butyl benzyl phthalate	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
Carbazole	< 100 ug/L		04/12/13 02:50	jk	SW 8270C*
Chrysene	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
Dibenzo(a,h)anthracene	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
Dibenzofuran	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
Diethyl phthalate	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
Dimethyl phthalate	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
Di-n-butyl phthalate	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
Di-n-octyl phthalate	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
Diphenylamine	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
Fluoranthene	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
Fluorene	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
Hexachlorobenzene	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
Hexachlorobutadiene	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
Hexachlorocyclopentadiene	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
Hexachloroethane	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
Indeno(1,2,3-cd)pyrene	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
Isophorone	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
Naphthalene	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
Nitrobenzene	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
N-Nitrosodimethylamine	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
N-Nitrosodi-n-propylamine	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
Pentachlorophenol	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
Phenanthrene	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
Phenol	4250 ug/L		04/12/13 19:19	jk	SW 8270C 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-05**

Collect Date: **04/04/13 16:45**

Sample Description: **Untreated Commingled Voa/Svoc 4**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
Pyrene	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
Pyridine	< 100 ug/L		04/12/13 02:50	jk	SW 8270C 04KS
Surrogate: 2-Fluorophenol	28 % 10-35	S	04/12/13 02:50	jk	SW 8270C
Surrogate: Phenol- d5	10 % 10-26	S	04/12/13 02:50	jk	SW 8270C
Surrogate: Nitrobenzene-d5	69 % 22-105	S	04/12/13 02:50	jk	SW 8270C
Surrogate: 2-Fluorobiphenyl	32 % 30-97	S	04/12/13 02:50	jk	SW 8270C
Surrogate: 2,4,6-Tribromophenol	26 % 10-93	S	04/12/13 02:50	jk	SW 8270C
Surrogate: p-Terphenyl-d14	35 % 22-115	S	04/12/13 02:50	jk	SW 8270C
Volatile Organics - STL					
1,1,1,2-Tetrachloroethane	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
1,1,1-Trichloroethane	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
1,1,2,2-Tetrachloroethane	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 100 ug/L		04/12/13 01:04	BP	SW 8260B*
1,1,2-Trichloroethane	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
1,1-Dichloroethane	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
1,1-Dichloroethene	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
1,1-Dichloropropene	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
1,2,3-Trichlorobenzene	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
1,2,3-Trichloropropane	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
1,2,4-Trichlorobenzene	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
1,2,4-Trimethylbenzene	140 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
1,2-Dibromo-3-chloropropane	< 100 ug/L		04/12/13 01:04	BP	SW 8260B*
1,2-Dibromoethane	< 100 ug/L		04/12/13 01:04	BP	SW 8260B*
1,2-Dichloroethene- Total	< 200 ug/L		04/12/13 01:04	BP	SW 8260B*
1,2-Dichlorobenzene	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
1,2-Dichloroethane	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
1,2-Dichloropropane	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
1,3,5-Trimethylbenzene	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
1,3-Dichlorobenzene	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
1,3-Dichloropropane	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
1,3-Dichloropropene - Total	< 200 ug/L		04/12/13 01:04	BP	SW 8260B*
1,4-Dichlorobenzene	150 ug/L		04/12/13 01:04	BP	SW 8260B 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-05**

Collect Date: **04/04/13 16:45**

Sample Description: **Untreated Commingled Voa/Svoc 4**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - STL</u>					
1,4-Dioxane	< 500 ug/L		04/12/13 01:04	BP	SW 8260B*
2,2-Dichloropropane	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
2-Butanone	23000 ug/L		04/11/13 21:42	BP	SW 8260B 04KS
2-Chloroethylvinyl ether	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
2-Chlorotoluene	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
2-Hexanone	770 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
2-Nitropropane	< 200 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
4-Chlorotoluene	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
4-Methyl-2-pentanone (MIBK)	< 200 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
Acetone	58000 ug/L		04/11/13 21:42	BP	SW 8260B 04KS
Acetonitrile	< 500 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
Acrolein	< 500 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
Acrylonitrile	< 200 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
Allyl Chloride	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
Benzene	520 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
Bromobenzene	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
Bromochloromethane	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
Bromodichloromethane	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
Bromoform	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
Bromomethane	< 200 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
Carbon disulfide	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
Carbon tetrachloride	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
Chlorobenzene	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
Chloroethane	< 200 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
Chloroform	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
Chloromethane	< 200 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
cis-1,2-Dichloroethene	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
cis-1,3-Dichloropropene	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
Dibromochloromethane	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
Dibromomethane	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
Dichlorodifluoromethane	< 200 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
Ethyl methacrylate	< 100 ug/L		04/12/13 01:04	BP	SW 8260B*
Ethylbenzene	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-05**

Collect Date: **04/04/13 16:45**

Sample Description: **Untreated Commingled Voa/Svoc 4**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
Hexachlorobutadiene	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
Iodomethane	< 200 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
Isobutanol	55000 ug/L		04/11/13 21:42	BP	SW 8260B*
Isopropylbenzene	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
m,p-Xylene	< 200 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
Methacrylonitrile	< 100 ug/L		04/12/13 01:04	BP	SW 8260B*
Methyl methacrylate	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
Methylene chloride	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
MTBE	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
Naphthalene	380 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
n-Butylbenzene	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
n-Propylbenzene	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
o-Xylene	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
p-Isopropyl toluene	380 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
Propionitrile	< 200 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
sec-Butylbenzene	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
Styrene	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
tert-Butylbenzene	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
Tetrachloroethene	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
Toluene	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
trans-1,2-Dichloroethene	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
trans-1,3-Dichloropropene	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
trans-1,4-Dichloro-2-butene	< 100 ug/L		04/12/13 01:04	BP	SW 8260B*
Trichloroethene	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
Trichlorofluoromethane	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
Vinyl acetate	< 200 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
Vinyl chloride	< 100 ug/L		04/12/13 01:04	BP	SW 8260B 04KS
Xylenes- Total	< 300 ug/L		04/12/13 01:04	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	104 % 65-134		04/11/13 21:42	BP	SW 8260B
Surrogate: Bromofluorobenzene	98 % 75.1-125		04/11/13 21:42	BP	SW 8260B
Surrogate: Toluene-d8	96 % 74.2-117		04/11/13 21:42	BP	SW 8260B



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Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-06**
Sample Description: **Treated Commingled TCLP**

Collect Date: **04/05/13 11:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
General Chemistry - PIA					
Total Organic Carbon (TOC)	15000 mg/L		04/11/13 16:36	Igtas	5310C KS,IL,IA,WI,AR
Herbicides- TCLP - PIA					
2,4-D	< 0.1 mg/L		04/13/13 01:32	JMT	SW 8151A IL,KS,IA
Silvex	< 0.05 mg/L		04/13/13 01:32	JMT	SW 8151A IL,KS,IA
Pesticides-TCLP - PIA					
Chlordane (technical)	< 0.010 mg/L		04/13/13 03:04	ELS	SW 8081A IA,IL,KS
Endrin	< 0.0005 mg/L		04/13/13 03:04	ELS	SW 8081A IA,IL,KS
gamma-BHC (Lindane)	< 0.0005 mg/L		04/13/13 03:04	ELS	SW 8081A IA,IL,KS
Heptachlor	< 0.0005 mg/L		04/13/13 03:04	ELS	SW 8081A IA,IL,KS
Heptachlor epoxide	< 0.0005 mg/L		04/13/13 03:04	ELS	SW 8081A IA,IL,KS
Methoxychlor	< 0.002 mg/L		04/13/13 03:04	ELS	SW 8081A IA,IL,KS
Toxaphene	< 0.010 mg/L		04/13/13 03:04	ELS	SW 8081A IA,IL,KS
Semivolatile Organics-TCLP - STL					
2,4,5-Trichlorophenol	< 100 ug/L		04/11/13 23:14	jk	SW 8270C 04KS
2,4,6-Trichlorophenol	< 100 ug/L		04/11/13 23:14	jk	SW 8270C 04KS
2,4-Dinitrotoluene	< 100 ug/L		04/11/13 23:14	jk	SW 8270C 04KS
2-Methylphenol	100 ug/L		04/11/13 23:14	jk	SW 8270C 04KS
3- & 4-Methylphenol	190 ug/L		04/11/13 23:14	jk	SW 8270C 04KS
Hexachlorobenzene	< 100 ug/L		04/11/13 23:14	jk	SW 8270C 04KS
Hexachlorobutadiene	< 100 ug/L		04/11/13 23:14	jk	SW 8270C 04KS
Hexachloroethane	< 100 ug/L		04/11/13 23:14	jk	SW 8270C 04KS
Nitrobenzene	< 100 ug/L		04/11/13 23:14	jk	SW 8270C 04KS
Pentachlorophenol	< 100 ug/L		04/11/13 23:14	jk	SW 8270C 04KS
Pyridine	< 100 ug/L		04/11/13 23:14	jk	SW 8270C 04KS
Surrogate: 2-Fluorophenol	62 % 28-92		04/11/13 23:14	jk	SW 8270C
Surrogate: Phenol- d5	61 % 11-100		04/11/13 23:14	jk	SW 8270C
Surrogate: Nitrobenzene-d5	80 % 48-105		04/11/13 23:14	jk	SW 8270C
Surrogate: 2-Fluorobiphenyl	77 % 41-107		04/11/13 23:14	jk	SW 8270C
Surrogate: 2,4,6-Tribromophenol	94 % 36-108		04/11/13 23:14	jk	SW 8270C
Surrogate: p-Terphenyl-d14	72 % 45-117		04/11/13 23:14	jk	SW 8270C

TCLP - STL



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Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-06**
Sample Description: **Treated Commingled TCLP**

Collect Date: **04/05/13 11:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>TCLP - STL</u>					
Final pH	5.0		04/09/13 09:30	MEP	SW 1311*
<u>TCLP Metals - STL</u>					
Final pH	5.0		04/09/13 09:30	MEP	SW 1311 04KS
Mercury	< 0.0002 mg/L		04/10/13 11:33	WPS	SW 7470A 04KS
Arsenic	0.065 mg/L		04/15/13 09:44	WPS	SW 6010B 04KS
Barium	0.17 mg/L		04/15/13 09:44	WPS	SW 6010B 04KS
Cadmium	< 0.0040 mg/L		04/15/13 09:44	WPS	SW 6010B 04KS
Chromium	0.011 mg/L		04/15/13 09:44	WPS	SW 6010B 04KS
Lead	< 0.020 mg/L		04/15/13 09:44	WPS	SW 6010B 04KS
Selenium	0.023 mg/L		04/15/13 09:44	WPS	SW 6010B 04KS
Silver	< 0.0030 mg/L		04/15/13 09:44	WPS	SW 6010B 04KS
<u>Volatile Organics- TCLP - STL</u>					
1,1-Dichloroethene	< 200 ug/L		04/11/13 14:19	BP	SW 8260B*
1,2-Dichloroethane	< 200 ug/L		04/11/13 14:19	BP	SW 8260B*
1,4-Dichlorobenzene	< 200 ug/L		04/11/13 14:19	BP	SW 8260B*
2-Butanone	1700 ug/L	Q1	04/11/13 14:19	BP	SW 8260B*
Benzene	< 200 ug/L		04/11/13 14:19	BP	SW 8260B*
Carbon tetrachloride	< 200 ug/L		04/11/13 14:19	BP	SW 8260B*
Chlorobenzene	< 200 ug/L		04/11/13 14:19	BP	SW 8260B*
Chloroform	< 200 ug/L		04/11/13 14:19	BP	SW 8260B*
Tetrachloroethene	< 200 ug/L		04/11/13 14:19	BP	SW 8260B*
Trichloroethene	< 200 ug/L		04/11/13 14:19	BP	SW 8260B*
Vinyl chloride	< 200 ug/L		04/11/13 14:19	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	95 % 59.4-135		04/11/13 14:19	BP	SW 8260B
Surrogate: Toluene-d8	104 % 77.7-111		04/11/13 14:19	BP	SW 8260B
Surrogate: Bromofluorobenzene	101 % 74-125		04/11/13 14:19	BP	SW 8260B

Sample No: **3041168-07**
Sample Description: **Treated Commingled Voa/Svoc 1**

Collect Date: **04/05/13 11:45**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
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St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-07**
Sample Description: **Treated Commingled Voa/Svoc 1**

Collect Date: **04/05/13 11:45**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
1,2,4-Trichlorobenzene	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
1,2-Dichlorobenzene	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
1,3-Dichlorobenzene	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
1,4-Dichlorobenzene	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
2,4,5-Trichlorophenol	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
2,4,6-Trichlorophenol	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
2,4-Dichlorophenol	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
2,4-Dimethylphenol	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
2,4-Dinitrophenol	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
2,4-Dinitrotoluene	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
2,6-Dimethylaniline	< 50.0 ug/L		04/12/13 03:33	jk	SW 8270C*
2,6-Dinitrotoluene	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
2-Chloronaphthalene	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
2-Chlorophenol	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
2-Methylnaphthalene	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
2-Methylphenol	533 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
2-Nitroaniline	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
2-Nitrophenol	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
3- & 4-Methylphenol	1490 ug/L		04/12/13 20:02	jk	SW 8270C 04KS
3,3'-Dichlorobenzidine	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
3-Nitroaniline	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
4,6-Dinitro-2-methylphenol	< 100 ug/L	C, X	04/12/13 03:33	jk	SW 8270C 04KS
4-Bromophenylphenyl ether	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
4-Chloro-3-methylphenol	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
4-Chloroaniline	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
4-Chlorophenylphenyl ether	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
4-Nitroaniline	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
4-Nitrophenol	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
Acenaphthene	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
Acenaphthylene	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
Aniline	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
Anthracene	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
Azobenzene	< 100 ug/L		04/12/13 03:33	jk	SW 8270C*



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-07**
Sample Description: **Treated Commingled Voa/Svoc 1**

Collect Date: **04/05/13 11:45**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
Benzidine	< 100 ug/L		04/12/13 03:33	jk	SW 8270C*
Benzo(a)anthracene	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
Benzo(a)pyrene	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
Benzo(b&k)fluoranthene	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
Benzo(b)fluoranthene	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
Benzo(g,h,i)perylene	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
Benzo(k)fluoranthene	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
Benzoic Acid	< 100 ug/L		04/12/13 03:33	jk	SW 8270C*
Benzyl alcohol	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
Bis(2-chloroethoxy) methane	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
Bis(2-chloroethyl) ether	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
Bis(2-chloroisopropyl) ether	< 100 ug/L		04/12/13 03:33	jk	SW 8270C*
Bis(2-ethylhexyl) phthalate	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
Butyl benzyl phthalate	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
Carbazole	< 100 ug/L		04/12/13 03:33	jk	SW 8270C*
Chrysene	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
Dibenzo(a,h)anthracene	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
Dibenzofuran	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
Diethyl phthalate	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
Dimethyl phthalate	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
Di-n-butyl phthalate	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
Di-n-octyl phthalate	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
Diphenylamine	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
Fluoranthene	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
Fluorene	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
Hexachlorobenzene	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
Hexachlorobutadiene	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
Hexachlorocyclopentadiene	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
Hexachloroethane	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
Indeno(1,2,3-cd)pyrene	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
Isophorone	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
Naphthalene	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
Nitrobenzene	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS



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Date Received: 04/05/13 16:45
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Revised Laboratory Results

Sample No: **3041168-07**
Sample Description: **Treated Commingled Voa/Svoc 1**

Collect Date: **04/05/13 11:45**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
N-Nitrosodimethylamine	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
N-Nitrosodi-n-propylamine	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
Pentachlorophenol	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
Phenanthrene	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
Phenol	3600 ug/L		04/12/13 20:02	jk	SW 8270C 04KS
Pyrene	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
Pyridine	< 100 ug/L		04/12/13 03:33	jk	SW 8270C 04KS
Surrogate: 2-Fluorophenol	14 % 10-35	S	04/12/13 03:33	jk	SW 8270C
Surrogate: Phenol- d5	13 % 10-26	S	04/12/13 03:33	jk	SW 8270C
Surrogate: Nitrobenzene-d5	62 % 22-105	S	04/12/13 03:33	jk	SW 8270C
Surrogate: 2-Fluorobiphenyl	31 % 30-97	S	04/12/13 03:33	jk	SW 8270C
Surrogate: 2,4,6-Tribromophenol	12 % 10-93	S	04/12/13 03:33	jk	SW 8270C
Surrogate: p-Terphenyl-d14	32 % 22-115	S	04/12/13 03:33	jk	SW 8270C
Volatile Organics - STL					
1,1,1,2-Tetrachloroethane	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
1,1,1-Trichloroethane	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
1,1,2,2-Tetrachloroethane	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 100 ug/L		04/12/13 01:30	BP	SW 8260B*
1,1,2-Trichloroethane	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
1,1-Dichloroethane	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
1,1-Dichloroethene	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
1,1-Dichloropropene	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
1,2,3-Trichlorobenzene	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
1,2,3-Trichloropropane	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
1,2,4-Trichlorobenzene	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
1,2,4-Trimethylbenzene	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
1,2-Dibromo-3-chloropropane	< 100 ug/L		04/12/13 01:30	BP	SW 8260B*
1,2-Dibromoethane	< 100 ug/L		04/12/13 01:30	BP	SW 8260B*
1,2-Dichloroethene- Total	< 200 ug/L		04/12/13 01:30	BP	SW 8260B*
1,2-Dichlorobenzene	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
1,2-Dichloroethane	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
1,2-Dichloropropane	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-07**
Sample Description: **Treated Commingled Voa/Svoc 1**

Collect Date: **04/05/13 11:45**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
1,3,5-Trimethylbenzene	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
1,3-Dichlorobenzene	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
1,3-Dichloropropane	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
1,3-Dichloropropene - Total	< 200 ug/L		04/12/13 01:30	BP	SW 8260B*
1,4-Dichlorobenzene	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
1,4-Dioxane	< 500 ug/L		04/12/13 01:30	BP	SW 8260B*
2,2-Dichloropropane	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
2-Butanone	25000 ug/L		04/11/13 22:08	BP	SW 8260B 04KS
2-Chloroethylvinyl ether	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
2-Chlorotoluene	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
2-Hexanone	440 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
2-Nitropropane	< 200 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
4-Chlorotoluene	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
4-Methyl-2-pentanone (MIBK)	< 200 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
Acetone	87000 ug/L		04/11/13 22:08	BP	SW 8260B 04KS
Acetonitrile	< 500 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
Acrolein	< 500 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
Acrylonitrile	< 200 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
Allyl Chloride	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
Benzene	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
Bromobenzene	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
Bromochloromethane	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
Bromodichloromethane	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
Bromoform	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
Bromomethane	< 200 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
Carbon disulfide	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
Carbon tetrachloride	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
Chlorobenzene	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
Chloroethane	< 200 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
Chloroform	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
Chloromethane	< 200 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
cis-1,2-Dichloroethene	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
cis-1,3-Dichloropropene	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-07**
Sample Description: **Treated Commingled Voa/Svoc 1**

Collect Date: **04/05/13 11:45**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
Dibromochloromethane	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
Dibromomethane	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
Dichlorodifluoromethane	< 200 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
Ethyl methacrylate	< 100 ug/L		04/12/13 01:30	BP	SW 8260B*
Ethylbenzene	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
Hexachlorobutadiene	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
Iodomethane	< 200 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
Isobutanol	53000 ug/L		04/11/13 22:08	BP	SW 8260B*
Isopropylbenzene	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
m,p-Xylene	< 200 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
Methacrylonitrile	< 100 ug/L		04/12/13 01:30	BP	SW 8260B*
Methyl methacrylate	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
Methylene chloride	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
MTBE	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
Naphthalene	200 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
n-Butylbenzene	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
n-Propylbenzene	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
o-Xylene	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
p-Isopropyl toluene	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
Propionitrile	< 200 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
sec-Butylbenzene	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
Styrene	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
tert-Butylbenzene	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
Tetrachloroethene	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
Toluene	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
trans-1,2-Dichloroethene	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
trans-1,3-Dichloropropene	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
trans-1,4-Dichloro-2-butene	< 100 ug/L		04/12/13 01:30	BP	SW 8260B*
Trichloroethene	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
Trichlorofluoromethane	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
Vinyl acetate	< 200 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
Vinyl chloride	< 100 ug/L		04/12/13 01:30	BP	SW 8260B 04KS
Xylenes- Total	< 300 ug/L		04/12/13 01:30	BP	SW 8260B*



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-07**
Sample Description: **Treated Commingled Voa/Svoc 1**

Collect Date: **04/05/13 11:45**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - STL</u>					
Surrogate: 1,2-Dichloroethane-d4	91 % 65-134		04/12/13 01:30	BP	SW 8260B
Surrogate: Bromofluorobenzene	78 % 75.1-125		04/12/13 01:30	BP	SW 8260B
Surrogate: Toluene-d8	91 % 74.2-117		04/12/13 01:30	BP	SW 8260B

Sample No: **3041168-08**
Sample Description: **Treated Commingled Voa/Svoc 2**

Collect Date: **04/05/13 12:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Semivolatile Organics - STL</u>					
1,2,4-Trichlorobenzene	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
1,2-Dichlorobenzene	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
1,3-Dichlorobenzene	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
1,4-Dichlorobenzene	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
2,4,5-Trichlorophenol	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
2,4,6-Trichlorophenol	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
2,4-Dichlorophenol	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
2,4-Dimethylphenol	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
2,4-Dinitrophenol	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
2,4-Dinitrotoluene	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
2,6-Dimethylaniline	< 50.0 ug/L		04/12/13 04:16	jk	SW 8270C*
2,6-Dinitrotoluene	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
2-Chloronaphthalene	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
2-Chlorophenol	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
2-Methylnaphthalene	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
2-Methylphenol	802 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
2-Nitroaniline	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
2-Nitrophenol	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
3- & 4-Methylphenol	1150 ug/L		04/16/13 10:07	jk	SW 8270C 04KS
3,3'-Dichlorobenzidine	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
3-Nitroaniline	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
4,6-Dinitro-2-methylphenol	< 100 ug/L	C, X	04/12/13 04:16	jk	SW 8270C 04KS
4-Bromophenylphenyl ether	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-08**
Sample Description: **Treated Commingled Voa/Svoc 2**

Collect Date: **04/05/13 12:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
4-Chloro-3-methylphenol	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
4-Chloroaniline	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
4-Chlorophenylphenyl ether	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
4-Nitroaniline	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
4-Nitrophenol	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
Acenaphthene	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
Acenaphthylene	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
Aniline	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
Anthracene	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
Azobenzene	< 100 ug/L		04/12/13 04:16	jk	SW 8270C*
Benzidine	< 100 ug/L		04/12/13 04:16	jk	SW 8270C*
Benzo(a)anthracene	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
Benzo(a)pyrene	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
Benzo(b&k)fluoranthene	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
Benzo(b)fluoranthene	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
Benzo(g,h,i)perylene	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
Benzo(k)fluoranthene	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
Benzoic Acid	< 100 ug/L		04/12/13 04:16	jk	SW 8270C*
Benzyl alcohol	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
Bis(2-chloroethoxy) methane	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
Bis(2-chloroethyl) ether	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
Bis(2-chloroisopropyl) ether	106 ug/L		04/12/13 04:16	jk	SW 8270C*
Bis(2-ethylhexyl) phthalate	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
Butyl benzyl phthalate	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
Carbazole	< 100 ug/L		04/12/13 04:16	jk	SW 8270C*
Chrysene	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
Dibenzo(a,h)anthracene	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
Dibenzofuran	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
Diethyl phthalate	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
Dimethyl phthalate	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
Di-n-butyl phthalate	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
Di-n-octyl phthalate	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
Diphenylamine	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS



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Bridgeton Landfill
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St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-08**
Sample Description: **Treated Commingled Voa/Svoc 2**

Collect Date: **04/05/13 12:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
Fluoranthene	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
Fluorene	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
Hexachlorobenzene	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
Hexachlorobutadiene	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
Hexachlorocyclopentadiene	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
Hexachloroethane	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
Indeno(1,2,3-cd)pyrene	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
Isophorone	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
Naphthalene	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
Nitrobenzene	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
N-Nitrosodimethylamine	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
N-Nitrosodi-n-propylamine	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
Pentachlorophenol	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
Phenanthrene	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
Phenol	2710 ug/L		04/16/13 10:07	jk	SW 8270C 04KS
Pyrene	< 100 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
Pyridine	118 ug/L		04/12/13 04:16	jk	SW 8270C 04KS
Surrogate: 2-Fluorophenol	44 % 10-35	S	04/12/13 04:16	jk	SW 8270C
Surrogate: Phenol- d5	19 % 10-26	S	04/12/13 04:16	jk	SW 8270C
Surrogate: Nitrobenzene-d5	250 % 22-105	S	04/12/13 04:16	jk	SW 8270C
Surrogate: 2-Fluorobiphenyl	28 % 30-97	S	04/12/13 04:16	jk	SW 8270C
Surrogate: 2,4,6-Tribromophenol	9 % 10-93	S	04/12/13 04:16	jk	SW 8270C
Surrogate: p-Terphenyl-d14	27 % 22-115	S	04/12/13 04:16	jk	SW 8270C
Volatile Organics - STL					
1,1,1,2-Tetrachloroethane	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
1,1,1-Trichloroethane	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
1,1,2,2-Tetrachloroethane	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 100 ug/L		04/12/13 01:55	BP	SW 8260B*
1,1,2-Trichloroethane	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
1,1-Dichloroethane	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
1,1-Dichloroethene	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
1,1-Dichloropropene	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS



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Bridgeton Landfill
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St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-08**

Collect Date: **04/05/13 12:00**

Sample Description: **Treated Commingled Voa/Svoc 2**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
1,2,3-Trichlorobenzene	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
1,2,3-Trichloropropane	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
1,2,4-Trichlorobenzene	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
1,2,4-Trimethylbenzene	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
1,2-Dibromo-3-chloropropane	< 100 ug/L		04/12/13 01:55	BP	SW 8260B*
1,2-Dibromoethane	< 100 ug/L		04/12/13 01:55	BP	SW 8260B*
1,2-Dichloroethene- Total	< 200 ug/L		04/12/13 01:55	BP	SW 8260B*
1,2-Dichlorobenzene	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
1,2-Dichloroethane	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
1,2-Dichloropropane	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
1,3,5-Trimethylbenzene	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
1,3-Dichlorobenzene	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
1,3-Dichloropropane	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
1,3-Dichloropropene - Total	< 200 ug/L		04/12/13 01:55	BP	SW 8260B*
1,4-Dichlorobenzene	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
1,4-Dioxane	< 500 ug/L		04/12/13 01:55	BP	SW 8260B*
2,2-Dichloropropane	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
2-Butanone	28000 ug/L		04/11/13 22:32	BP	SW 8260B 04KS
2-Chloroethylvinyl ether	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
2-Chlorotoluene	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
2-Hexanone	500 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
2-Nitropropane	< 200 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
4-Chlorotoluene	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
4-Methyl-2-pentanone (MIBK)	< 200 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
Acetone	93000 ug/L		04/11/13 22:32	BP	SW 8260B 04KS
Acetonitrile	< 500 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
Acrolein	< 500 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
Acrylonitrile	< 200 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
Allyl Chloride	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
Benzene	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
Bromobenzene	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
Bromochloromethane	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
Bromodichloromethane	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS



PDC Laboratories, Inc.

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-08**

Collect Date: **04/05/13 12:00**

Sample Description: **Treated Commingled Voa/Svoc 2**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - STL</u>					
Bromoform	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
Bromomethane	< 200 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
Carbon disulfide	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
Carbon tetrachloride	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
Chlorobenzene	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
Chloroethane	< 200 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
Chloroform	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
Chloromethane	< 200 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
cis-1,2-Dichloroethene	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
cis-1,3-Dichloropropene	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
Dibromochloromethane	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
Dibromomethane	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
Dichlorodifluoromethane	< 200 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
Ethyl methacrylate	< 100 ug/L		04/12/13 01:55	BP	SW 8260B*
Ethylbenzene	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
Hexachlorobutadiene	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
Iodomethane	< 200 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
Isobutanol	55000 ug/L		04/11/13 22:32	BP	SW 8260B*
Isopropylbenzene	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
m,p-Xylene	< 200 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
Methacrylonitrile	< 100 ug/L		04/12/13 01:55	BP	SW 8260B*
Methyl methacrylate	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
Methylene chloride	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
MTBE	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
Naphthalene	190 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
n-Butylbenzene	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
n-Propylbenzene	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
o-Xylene	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
p-Isopropyl toluene	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
Propionitrile	< 200 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
sec-Butylbenzene	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
Styrene	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
tert-Butylbenzene	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-08**
Sample Description: **Treated Commingled Voa/Svoc 2**

Collect Date: **04/05/13 12:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - STL</u>					
Tetrachloroethene	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
Toluene	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
trans-1,2-Dichloroethene	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
trans-1,3-Dichloropropene	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
trans-1,4-Dichloro-2-butene	< 100 ug/L		04/12/13 01:55	BP	SW 8260B*
Trichloroethene	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
Trichlorofluoromethane	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
Vinyl acetate	< 200 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
Vinyl chloride	< 100 ug/L		04/12/13 01:55	BP	SW 8260B 04KS
Xylenes- Total	< 300 ug/L		04/12/13 01:55	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	104 % 65-134		04/11/13 22:32	BP	SW 8260B
Surrogate: Bromofluorobenzene	103 % 75.1-125		04/11/13 22:32	BP	SW 8260B
Surrogate: Toluene-d8	95 % 74.2-117		04/11/13 22:32	BP	SW 8260B

Sample No: **3041168-09**
Sample Description: **Treated Commingled Voa/Svoc 3**

Collect Date: **04/05/13 12:15**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Semivolatile Organics - STL</u>					
1,2,4-Trichlorobenzene	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
1,2-Dichlorobenzene	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
1,3-Dichlorobenzene	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
1,4-Dichlorobenzene	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
2,4,5-Trichlorophenol	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
2,4,6-Trichlorophenol	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
2,4-Dichlorophenol	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
2,4-Dimethylphenol	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
2,4-Dinitrophenol	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
2,4-Dinitrotoluene	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
2,6-Dimethylaniline	< 50.0 ug/L		04/12/13 04:59	jk	SW 8270C*
2,6-Dinitrotoluene	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
2-Chloronaphthalene	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-09**
Sample Description: **Treated Commingled Voa/Svoc 3**

Collect Date: **04/05/13 12:15**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
2-Chlorophenol	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
2-Methylnaphthalene	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
2-Methylphenol	741 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
2-Nitroaniline	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
2-Nitrophenol	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
3- & 4-Methylphenol	1310 ug/L		04/12/13 20:45	jk	SW 8270C 04KS
3,3'-Dichlorobenzidine	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
3-Nitroaniline	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
4,6-Dinitro-2-methylphenol	< 100 ug/L	C, X	04/12/13 04:59	jk	SW 8270C 04KS
4-Bromophenylphenyl ether	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
4-Chloro-3-methylphenol	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
4-Chloroaniline	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
4-Chlorophenylphenyl ether	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
4-Nitroaniline	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
4-Nitrophenol	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
Acenaphthene	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
Acenaphthylene	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
Aniline	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
Anthracene	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
Azobenzene	< 100 ug/L		04/12/13 04:59	jk	SW 8270C*
Benzidine	< 100 ug/L		04/12/13 04:59	jk	SW 8270C*
Benzo(a)anthracene	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
Benzo(a)pyrene	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
Benzo(b&k)fluoranthene	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
Benzo(b)fluoranthene	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
Benzo(g,h,i)perylene	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
Benzo(k)fluoranthene	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
Benzoic Acid	< 100 ug/L		04/12/13 04:59	jk	SW 8270C*
Benzyl alcohol	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
Bis(2-chloroethoxy) methane	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
Bis(2-chloroethyl) ether	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
Bis(2-chloroisopropyl) ether	< 100 ug/L		04/12/13 04:59	jk	SW 8270C*
Bis(2-ethylhexyl) phthalate	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-09**
Sample Description: **Treated Commingled Voa/Svoc 3**

Collect Date: **04/05/13 12:15**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
Butyl benzyl phthalate	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
Carbazole	< 100 ug/L		04/12/13 04:59	jk	SW 8270C*
Chrysene	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
Dibenzo(a,h)anthracene	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
Dibenzofuran	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
Diethyl phthalate	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
Dimethyl phthalate	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
Di-n-butyl phthalate	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
Di-n-octyl phthalate	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
Diphenylamine	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
Fluoranthene	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
Fluorene	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
Hexachlorobenzene	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
Hexachlorobutadiene	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
Hexachlorocyclopentadiene	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
Hexachloroethane	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
Indeno(1,2,3-cd)pyrene	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
Isophorone	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
Naphthalene	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
Nitrobenzene	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
N-Nitrosodimethylamine	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
N-Nitrosodi-n-propylamine	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
Pentachlorophenol	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
Phenanthrene	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
Phenol	2990 ug/L		04/12/13 20:45	jk	SW 8270C 04KS
Pyrene	< 100 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
Pyridine	143 ug/L		04/12/13 04:59	jk	SW 8270C 04KS
Surrogate: 2-Fluorophenol	18 % 10-35	S	04/12/13 04:59	jk	SW 8270C
Surrogate: Phenol- d5	21 % 10-26	S	04/12/13 04:59	jk	SW 8270C
Surrogate: Nitrobenzene-d5	75 % 22-105	S	04/12/13 04:59	jk	SW 8270C
Surrogate: 2-Fluorobiphenyl	46 % 30-97	S	04/12/13 04:59	jk	SW 8270C
Surrogate: 2,4,6-Tribromophenol	19 % 10-93	S	04/12/13 04:59	jk	SW 8270C
Surrogate: p-Terphenyl-d14	% 22-115	S	04/12/13 04:59	jk	SW 8270C



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-09**
Sample Description: **Treated Commingled Voa/Svoc 3**

Collect Date: **04/05/13 12:15**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
1,1,1,2-Tetrachloroethane	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
1,1,1-Trichloroethane	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
1,1,2,2-Tetrachloroethane	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 100 ug/L		04/12/13 02:20	BP	SW 8260B*
1,1,2-Trichloroethane	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
1,1-Dichloroethane	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
1,1-Dichloroethene	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
1,1-Dichloropropene	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
1,2,3-Trichlorobenzene	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
1,2,3-Trichloropropane	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
1,2,4-Trichlorobenzene	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
1,2,4-Trimethylbenzene	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
1,2-Dibromo-3-chloropropane	< 100 ug/L		04/12/13 02:20	BP	SW 8260B*
1,2-Dibromoethane	< 100 ug/L		04/12/13 02:20	BP	SW 8260B*
1,2-Dichloroethene- Total	< 200 ug/L		04/12/13 02:20	BP	SW 8260B*
1,2-Dichlorobenzene	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
1,2-Dichloroethane	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
1,2-Dichloropropane	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
1,3,5-Trimethylbenzene	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
1,3-Dichlorobenzene	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
1,3-Dichloropropane	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
1,3-Dichloropropene - Total	< 200 ug/L		04/12/13 02:20	BP	SW 8260B*
1,4-Dichlorobenzene	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
1,4-Dioxane	< 500 ug/L		04/12/13 02:20	BP	SW 8260B*
2,2-Dichloropropane	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
2-Butanone	31000 ug/L		04/11/13 22:58	BP	SW 8260B 04KS
2-Chloroethylvinyl ether	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
2-Chlorotoluene	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
2-Hexanone	510 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
2-Nitropropane	< 200 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
4-Chlorotoluene	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
4-Methyl-2-pentanone (MIBK)	< 200 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
Acetone	110000 ug/L		04/11/13 22:58	BP	SW 8260B 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-09**

Collect Date: **04/05/13 12:15**

Sample Description: **Treated Commingled Voa/Svoc 3**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - STL</u>					
Acetonitrile	< 500 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
Acrolein	< 500 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
Acrylonitrile	< 200 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
Allyl Chloride	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
Benzene	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
Bromobenzene	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
Bromochloromethane	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
Bromodichloromethane	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
Bromoform	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
Bromomethane	< 200 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
Carbon disulfide	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
Carbon tetrachloride	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
Chlorobenzene	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
Chloroethane	< 200 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
Chloroform	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
Chloromethane	< 200 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
cis-1,2-Dichloroethene	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
cis-1,3-Dichloropropene	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
Dibromochloromethane	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
Dibromomethane	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
Dichlorodifluoromethane	< 200 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
Ethyl methacrylate	< 100 ug/L		04/12/13 02:20	BP	SW 8260B*
Ethylbenzene	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
Hexachlorobutadiene	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
Iodomethane	< 200 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
Isobutanol	56000 ug/L		04/11/13 22:58	BP	SW 8260B*
Isopropylbenzene	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
m,p-Xylene	< 200 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
Methacrylonitrile	< 100 ug/L		04/12/13 02:20	BP	SW 8260B*
Methyl methacrylate	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
Methylene chloride	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
MTBE	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
Naphthalene	210 ug/L		04/12/13 02:20	BP	SW 8260B 04KS



PDC Laboratories, Inc.

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-09**
Sample Description: **Treated Commingled Voa/Svoc 3**

Collect Date: **04/05/13 12:15**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - STL</u>					
n-Butylbenzene	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
n-Propylbenzene	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
o-Xylene	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
p-Isopropyl toluene	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
Propionitrile	< 200 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
sec-Butylbenzene	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
Styrene	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
tert-Butylbenzene	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
Tetrachloroethene	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
Toluene	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
trans-1,2-Dichloroethene	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
trans-1,3-Dichloropropene	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
trans-1,4-Dichloro-2-butene	< 100 ug/L		04/12/13 02:20	BP	SW 8260B*
Trichloroethene	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
Trichlorofluoromethane	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
Vinyl acetate	< 200 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
Vinyl chloride	< 100 ug/L		04/12/13 02:20	BP	SW 8260B 04KS
Xylenes- Total	< 300 ug/L		04/12/13 02:20	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	98 % 65-134		04/11/13 22:58	BP	SW 8260B
Surrogate: Bromofluorobenzene	100 % 75.1-125		04/11/13 22:58	BP	SW 8260B
Surrogate: Toluene-d8	98 % 74.2-117		04/11/13 22:58	BP	SW 8260B

Sample No: **3041168-10**
Sample Description: **Treated Commingled Voa/Svoc 4**

Collect Date: **04/05/13 12:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Semivolatile Organics - STL</u>					
1,2,4-Trichlorobenzene	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
1,2-Dichlorobenzene	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
1,3-Dichlorobenzene	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
1,4-Dichlorobenzene	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
2,4,5-Trichlorophenol	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS

3041168



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-10**
Sample Description: **Treated Commingled Voa/Svoc 4**

Collect Date: **04/05/13 12:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
2,4,6-Trichlorophenol	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
2,4-Dichlorophenol	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
2,4-Dimethylphenol	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
2,4-Dinitrophenol	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
2,4-Dinitrotoluene	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
2,6-Dimethylaniline	< 50.0 ug/L		04/12/13 05:42	jk	SW 8270C*
2,6-Dinitrotoluene	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
2-Chloronaphthalene	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
2-Chlorophenol	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
2-Methylnaphthalene	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
2-Methylphenol	861 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
2-Nitroaniline	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
2-Nitrophenol	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
3- & 4-Methylphenol	2250 ug/L		04/12/13 21:29	jk	SW 8270C 04KS
3,3'-Dichlorobenzidine	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
3-Nitroaniline	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
4,6-Dinitro-2-methylphenol	< 100 ug/L	C, X	04/12/13 05:42	jk	SW 8270C 04KS
4-Bromophenylphenyl ether	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
4-Chloro-3-methylphenol	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
4-Chloroaniline	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
4-Chlorophenylphenyl ether	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
4-Nitroaniline	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
4-Nitrophenol	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
Acenaphthene	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
Acenaphthylene	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
Aniline	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
Anthracene	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
Azobenzene	< 100 ug/L		04/12/13 05:42	jk	SW 8270C*
Benzidine	< 100 ug/L		04/12/13 05:42	jk	SW 8270C*
Benzo(a)anthracene	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
Benzo(a)pyrene	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
Benzo(b&k)fluoranthene	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
Benzo(b)fluoranthene	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-10**
Sample Description: **Treated Commingled Voa/Svoc 4**

Collect Date: **04/05/13 12:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
Benzo(g,h,i)perylene	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
Benzo(k)fluoranthene	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
Benzoic Acid	< 100 ug/L		04/12/13 05:42	jk	SW 8270C*
Benzyl alcohol	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
Bis(2-chloroethoxy) methane	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
Bis(2-chloroethyl) ether	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
Bis(2-chloroisopropyl) ether	< 100 ug/L		04/12/13 05:42	jk	SW 8270C*
Bis(2-ethylhexyl) phthalate	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
Butyl benzyl phthalate	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
Carbazole	< 100 ug/L		04/12/13 05:42	jk	SW 8270C*
Chrysene	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
Dibenzo(a,h)anthracene	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
Dibenzofuran	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
Diethyl phthalate	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
Dimethyl phthalate	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
Di-n-butyl phthalate	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
Di-n-octyl phthalate	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
Diphenylamine	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
Fluoranthene	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
Fluorene	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
Hexachlorobenzene	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
Hexachlorobutadiene	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
Hexachlorocyclopentadiene	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
Hexachloroethane	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
Indeno(1,2,3-cd)pyrene	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
Isophorone	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
Naphthalene	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
Nitrobenzene	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
N-Nitrosodimethylamine	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
N-Nitrosodi-n-propylamine	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
Pentachlorophenol	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
Phenanthrene	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
Phenol	5780 ug/L		04/16/13 10:50	jk	SW 8270C 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-10**
Sample Description: **Treated Commingled Voa/Svoc 4**

Collect Date: **04/05/13 12:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
Pyrene	< 100 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
Pyridine	103 ug/L		04/12/13 05:42	jk	SW 8270C 04KS
Surrogate: 2-Fluorophenol	25 % 10-35	S	04/12/13 05:42	jk	SW 8270C
Surrogate: Phenol- d5	10 % 10-26	S	04/12/13 05:42	jk	SW 8270C
Surrogate: Nitrobenzene-d5	95 % 22-105	S	04/12/13 05:42	jk	SW 8270C
Surrogate: 2-Fluorobiphenyl	53 % 30-97	S	04/12/13 05:42	jk	SW 8270C
Surrogate: 2,4,6-Tribromophenol	28 % 10-93	S	04/12/13 05:42	jk	SW 8270C
Surrogate: p-Terphenyl-d14	% 22-115	S	04/12/13 05:42	jk	SW 8270C
Volatile Organics - STL					
1,1,1,2-Tetrachloroethane	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
1,1,1-Trichloroethane	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
1,1,2,2-Tetrachloroethane	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 100 ug/L		04/12/13 02:46	BP	SW 8260B*
1,1,2-Trichloroethane	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
1,1-Dichloroethane	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
1,1-Dichloroethene	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
1,1-Dichloropropene	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
1,2,3-Trichlorobenzene	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
1,2,3-Trichloropropane	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
1,2,4-Trichlorobenzene	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
1,2,4-Trimethylbenzene	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
1,2-Dibromo-3-chloropropane	< 100 ug/L		04/12/13 02:46	BP	SW 8260B*
1,2-Dibromoethane	< 100 ug/L		04/12/13 02:46	BP	SW 8260B*
1,2-Dichloroethene- Total	< 200 ug/L		04/12/13 02:46	BP	SW 8260B*
1,2-Dichlorobenzene	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
1,2-Dichloroethane	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
1,2-Dichloropropane	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
1,3,5-Trimethylbenzene	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
1,3-Dichlorobenzene	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
1,3-Dichloropropane	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
1,3-Dichloropropene - Total	< 200 ug/L		04/12/13 02:46	BP	SW 8260B*
1,4-Dichlorobenzene	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-10**

Collect Date: **04/05/13 12:30**

Sample Description: **Treated Commingled Voa/Svoc 4**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - STL</u>					
1,4-Dioxane	< 500 ug/L		04/12/13 02:46	BP	SW 8260B*
2,2-Dichloropropane	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
2-Butanone	25000 ug/L		04/11/13 23:23	BP	SW 8260B 04KS
2-Chloroethylvinyl ether	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
2-Chlorotoluene	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
2-Hexanone	530 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
2-Nitropropane	< 200 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
4-Chlorotoluene	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
4-Methyl-2-pentanone (MIBK)	< 200 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
Acetone	78000 ug/L		04/11/13 23:23	BP	SW 8260B 04KS
Acetonitrile	< 500 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
Acrolein	< 500 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
Acrylonitrile	< 200 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
Allyl Chloride	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
Benzene	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
Bromobenzene	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
Bromochloromethane	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
Bromodichloromethane	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
Bromoform	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
Bromomethane	< 200 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
Carbon disulfide	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
Carbon tetrachloride	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
Chlorobenzene	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
Chloroethane	< 200 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
Chloroform	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
Chloromethane	< 200 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
cis-1,2-Dichloroethene	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
cis-1,3-Dichloropropene	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
Dibromochloromethane	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
Dibromomethane	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
Dichlorodifluoromethane	< 200 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
Ethyl methacrylate	< 100 ug/L		04/12/13 02:46	BP	SW 8260B*
Ethylbenzene	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-10**
Sample Description: **Treated Commingled Voa/Svoc 4**

Collect Date: **04/05/13 12:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
Hexachlorobutadiene	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
Iodomethane	< 200 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
Isobutanol	52000 ug/L		04/11/13 23:23	BP	SW 8260B*
Isopropylbenzene	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
m,p-Xylene	< 200 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
Methacrylonitrile	< 100 ug/L		04/12/13 02:46	BP	SW 8260B*
Methyl methacrylate	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
Methylene chloride	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
MTBE	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
Naphthalene	210 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
n-Butylbenzene	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
n-Propylbenzene	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
o-Xylene	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
p-Isopropyl toluene	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
Propionitrile	< 200 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
sec-Butylbenzene	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
Styrene	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
tert-Butylbenzene	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
Tetrachloroethene	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
Toluene	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
trans-1,2-Dichloroethene	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
trans-1,3-Dichloropropene	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
trans-1,4-Dichloro-2-butene	< 100 ug/L		04/12/13 02:46	BP	SW 8260B*
Trichloroethene	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
Trichlorofluoromethane	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
Vinyl acetate	< 200 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
Vinyl chloride	< 100 ug/L		04/12/13 02:46	BP	SW 8260B 04KS
Xylenes- Total	< 300 ug/L		04/12/13 02:46	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	96 % 65-134		04/11/13 23:23	BP	SW 8260B
Surrogate: Bromofluorobenzene	98 % 75.1-125		04/11/13 23:23	BP	SW 8260B
Surrogate: Toluene-d8	95 % 74.2-117		04/11/13 23:23	BP	SW 8260B



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-11**
Sample Description: **Trip Blank**

Collect Date: **04/04/13 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
1,1,1,2-Tetrachloroethane	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
1,1,1-Trichloroethane	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
1,1,2,2-Tetrachloroethane	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B*
1,1,2-Trichloroethane	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
1,1-Dichloroethane	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
1,1-Dichloroethene	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
1,1-Dichloropropene	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
1,2,3-Trichlorobenzene	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
1,2,3-Trichloropropane	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
1,2,4-Trichlorobenzene	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
1,2,4-Trimethylbenzene	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
1,2-Dibromo-3-chloropropane	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B*
1,2-Dibromoethane	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B*
1,2-Dichloroethene- Total	< 10 ug/L		04/11/13 18:45	BP	SW 8260B*
1,2-Dichlorobenzene	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
1,2-Dichloroethane	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
1,2-Dichloropropane	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
1,3,5-Trimethylbenzene	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
1,3-Dichlorobenzene	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
1,3-Dichloropropane	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
1,3-Dichloropropene - Total	< 10 ug/L		04/11/13 18:45	BP	SW 8260B*
1,4-Dichlorobenzene	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
1,4-Dioxane	< 25 ug/L		04/11/13 18:45	BP	SW 8260B*
2,2-Dichloropropane	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
2-Butanone	< 10 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
2-Chloroethylvinyl ether	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
2-Chlorotoluene	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
2-Hexanone	< 10 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
2-Nitropropane	< 10 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
4-Chlorotoluene	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
4-Methyl-2-pentanone (MIBK)	< 10 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
Acetone	< 10 ug/L		04/11/13 18:45	BP	SW 8260B 04KS



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-11**
Sample Description: **Trip Blank**

Collect Date: **04/04/13 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - STL</u>					
Acetonitrile	< 25 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
Acrolein	< 25 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
Acrylonitrile	< 10 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
Allyl Chloride	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
Benzene	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
Bromobenzene	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
Bromochloromethane	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
Bromodichloromethane	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
Bromoform	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
Bromomethane	< 10 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
Carbon disulfide	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
Carbon tetrachloride	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
Chlorobenzene	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
Chloroethane	< 10 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
Chloroform	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
Chloromethane	< 10 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
cis-1,2-Dichloroethene	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
cis-1,3-Dichloropropene	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
Dibromochloromethane	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
Dibromomethane	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
Dichlorodifluoromethane	< 10 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
Ethyl methacrylate	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B*
Ethylbenzene	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
Hexachlorobutadiene	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
Iodomethane	< 10 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
Isobutanol	< 25 ug/L		04/11/13 18:45	BP	SW 8260B*
Isopropylbenzene	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
m,p-Xylene	< 10 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
Methacrylonitrile	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B*
Methyl methacrylate	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
Methylene chloride	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
MTBE	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
Naphthalene	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS



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St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Sample No: **3041168-11**
Sample Description: **Trip Blank**

Collect Date: **04/04/13 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - STL</u>					
n-Butylbenzene	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
n-Propylbenzene	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
o-Xylene	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
p-Isopropyl toluene	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
Propionitrile	< 10 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
sec-Butylbenzene	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
Styrene	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
tert-Butylbenzene	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
Tetrachloroethene	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
Toluene	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
trans-1,2-Dichloroethene	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
trans-1,3-Dichloropropene	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
trans-1,4-Dichloro-2-butene	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B*
Trichloroethene	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
Trichlorofluoromethane	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
Vinyl acetate	< 10 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
Vinyl chloride	< 5.0 ug/L		04/11/13 18:45	BP	SW 8260B 04KS
Xylenes- Total	< 15 ug/L		04/11/13 18:45	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	106 % 65-134		04/11/13 18:45	BP	SW 8260B
Surrogate: Bromofluorobenzene	106 % 75.1-125		04/11/13 18:45	BP	SW 8260B
Surrogate: Toluene-d8	101 % 74.2-117		04/11/13 18:45	BP	SW 8260B

Sample No: **3041168-12**
Sample Description: **Untreated Commingled TCLP**

Collect Date: **04/04/13 15:15**
Matrix: **Solid**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>General Chemistry - STL</u>					
Solids - total solids (TS)	4.1 %		04/10/13 10:00	ACV	SM 2540G 18Ed*



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Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

General Chemistry - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305771 - No Prep								
Matrix Spike (B305771-MS1)	Source: 3041817-01		Prepared & Analyzed: 04/11/13					
Total Organic Carbon (TOC)	12.9	mg/L	5.000	7.22	113	80-120		
Matrix Spike Dup (B305771-MSD1)	Source: 3041817-01		Prepared & Analyzed: 04/11/13					
Total Organic Carbon (TOC)	12.4	mg/L	5.000	7.22	103	80-120	4	20

TCLP - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305372 - 04-SW 1311 - TCLP								
Blank (B305372-BLK1)			Prepared: 04/08/13 Analyzed: 04/09/13					
Final pH	0.00	[blank]						
Blank (B305372-BLK2)			Prepared: 04/08/13 Analyzed: 04/09/13					
Final pH	0.00	[blank]						

TCLP Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305372 - 04-SW 1311 - TCLP								
Blank (B305372-BLK1)			Prepared: 04/08/13 Analyzed: 04/09/13					
Final pH	0.00	[blank]						
Blank (B305372-BLK2)			Prepared: 04/08/13 Analyzed: 04/09/13					
Final pH	0.00	[blank]						
Batch B305517 - 04-SW 7470A/245.1								
Blank (B305517-BLK1)			Prepared & Analyzed: 04/10/13					
Mercury	< 0.0002	mg/L						
Blank (B305517-BLK2)			Prepared & Analyzed: 04/10/13					
Mercury	< 0.0002	mg/L						
Blank (B305517-BLK3)			Prepared & Analyzed: 04/10/13					
Mercury	< 0.0002	mg/L						
LCS (B305517-BS1)			Prepared & Analyzed: 04/10/13					
Mercury	0.00220	mg/L	0.002000		110	85-115		
Matrix Spike (B305517-MS1)	Source: 3040660-01		Prepared & Analyzed: 04/10/13					



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Revised Laboratory Results

TCLP Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305517 - 04-SW 7470A/245.1								
Matrix Spike (B305517-MS1)			Source: 3040660-01		Prepared & Analyzed: 04/10/13			
Mercury	0.00220	mg/L	0.002000	ND	110	50-150		
Matrix Spike (B305517-MS2)			Source: 3041168-01		Prepared & Analyzed: 04/10/13			
Mercury	0.00220	mg/L	0.002000	ND	110	50-150		
Matrix Spike (B305517-MS3)			Source: 3041168-06		Prepared & Analyzed: 04/10/13			
Mercury	0.00230	mg/L	0.002000	ND	115	50-150		
Matrix Spike Dup (B305517-MSD1)			Source: 3040660-01		Prepared & Analyzed: 04/10/13			
Mercury	0.00230	mg/L	0.002000	ND	115	50-150	4	20
Matrix Spike Dup (B305517-MSD2)			Source: 3041168-01		Prepared & Analyzed: 04/10/13			
Mercury	0.00220	mg/L	0.002000	ND	110	50-150	0	20
Batch B305645 - 04 SW 3010A TCLP								
Blank (B305645-BLK1)			Prepared: 04/11/13 Analyzed: 04/15/13					
Arsenic	< 0.030	mg/L						
Barium	< 0.020	mg/L						
Cadmium	< 0.0040	mg/L						
Chromium	< 0.0040	mg/L						
Lead	< 0.020	mg/L						
Selenium	< 0.020	mg/L						
Silver	< 0.0030	mg/L						
LCS (B305645-BS1)			Prepared: 04/11/13 Analyzed: 04/15/13					
Arsenic	0.164	mg/L	0.2000		82	80-120		
Barium	0.174	mg/L	0.2000		87	80-120		
Cadmium	0.166	mg/L	0.2000		83	80-120		
Chromium	0.172	mg/L	0.2000		86	80-120		
Lead	0.165	mg/L	0.2000		82	80-120		
Selenium	0.150	mg/L	0.2000		75	80-120		
Silver	0.0434	mg/L	0.05000		87	80-120		
Matrix Spike (B305645-MS1)			Source: 3040660-01		Prepared: 04/11/13 Analyzed: 04/15/13			
Arsenic	6.13	mg/L	5.000	0.0453	122	50-150		
Barium	27.7	mg/L	25.00	1.43	105	50-150		
Cadmium	1.11	mg/L	1.000	0.0239	108	50-150		
Chromium	5.31	mg/L	5.000	0.0539	105	50-150		
Lead	5.11	mg/L	5.000	0.0243	102	50-150		
Selenium	1.27	mg/L	1.000	0.0153	125	50-150		
Silver	0.533	mg/L	0.5000	ND	107	50-150		
Matrix Spike (B305645-MS2)			Source: 3041168-01		Prepared: 04/11/13 Analyzed: 04/15/13			



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Revised Laboratory Results

TCLP Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B305645 - 04 SW 3010A TCLP

Matrix Spike (B305645-MS2)		Source: 3041168-01		Prepared: 04/11/13 Analyzed: 04/15/13				
Arsenic	5.95	mg/L	5.000	0.0462	118	50-150		
Barium	24.7	mg/L	25.00	0.175	98	50-150		
Cadmium	1.03	mg/L	1.000	ND	103	50-150		
Chromium	5.04	mg/L	5.000	0.0113	101	50-150		
Lead	4.88	mg/L	5.000	0.0207	97	50-150		
Selenium	1.27	mg/L	1.000	0.0405	123	50-150		
Silver	0.511	mg/L	0.5000	0.00104	102	50-150		

Matrix Spike (B305645-MS3)		Source: 3041168-06		Prepared: 04/11/13 Analyzed: 04/15/13				
Arsenic	6.02	mg/L	5.000	0.0652	119	50-150		
Barium	24.9	mg/L	25.00	0.173	99	50-150		
Cadmium	1.05	mg/L	1.000	ND	105	50-150		
Chromium	5.15	mg/L	5.000	0.0108	103	50-150		
Lead	4.90	mg/L	5.000	0.00686	98	50-150		
Selenium	1.25	mg/L	1.000	0.0227	123	50-150		
Silver	0.525	mg/L	0.5000	0.00128	105	50-150		

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B305676 - 04-No Prep VOA

Blank (B305676-BLK1)		Prepared & Analyzed: 04/11/13						
1,1,1,2-Tetrachloroethane	< 5.0	ug/L						
1,1,1-Trichloroethane	< 5.0	ug/L						
1,1,2,2-Tetrachloroethane	< 5.0	ug/L						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 5.0	ug/L						
1,1,2-Trichloroethane	< 5.0	ug/L						
1,1-Dichloroethane	< 5.0	ug/L						
1,1-Dichloroethene	< 5.0	ug/L						
1,1-Dichloropropene	< 5.0	ug/L						
1,2,3-Trichlorobenzene	< 5.0	ug/L						
1,2,3-Trichloropropane	< 5.0	ug/L						
1,2,4-Trichlorobenzene	< 5.0	ug/L						
1,2,4-Trimethylbenzene	< 5.0	ug/L						
1,2-Dibromo-3-chloropropane	< 5.0	ug/L						
1,2-Dibromoethane	< 5.0	ug/L						
1,2-Dichloroethene- Total	< 10	ug/L						



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Revised Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305676 - 04-No Prep VOA								
Blank (B305676-BLK1)			Prepared & Analyzed: 04/11/13					
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						
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						



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Revised Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305676 - 04-No Prep VOA								
Blank (B305676-BLK1)			Prepared & Analyzed: 04/11/13					
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	28.5	ug/L	30.00		95	65-134		
Surrogate: Bromofluorobenzene	30.3	ug/L	30.00		101	75.1-125		
Surrogate: Toluene-d8	30.1	ug/L	30.00		100	74.2-117		
LCS (B305676-BS1)			Prepared & Analyzed: 04/11/13					
1,1,1-Trichloroethane	21	ug/L	20.00		103	76-131		
1,1,2,2-Tetrachloroethane	19	ug/L	20.00		93	79-126		
1,1,2-Trichloroethane	19	ug/L	20.00		96	79-123		
1,1-Dichloroethane	23	ug/L	20.00		113	74-133		
1,1-Dichloroethene	22	ug/L	20.00		109	71-135		



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Report Date: 04/16/13
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PO#: 3496416

Revised Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305676 - 04-No Prep VOA								
LCS (B305676-BS1)			Prepared & Analyzed: 04/11/13					
1,2-Dichlorobenzene	15	ug/L	20.00		77	76-113		
1,2-Dichloroethane	20	ug/L	20.00		100	80-135		
1,2-Dichloropropane	20	ug/L	20.00		100	78-127		
1,3-Dichlorobenzene	18	ug/L	20.00		88	82-119		
1,4-Dichlorobenzene	17	ug/L	20.00		87	78-118		
2-Chloroethylvinyl ether	18	ug/L	20.00		88	66-138		
Acrolein	62	ug/L	100.0		62	38-156		
Acrylonitrile	17	ug/L	20.00		84	43-121		
Benzene	19	ug/L	20.00		94	84-114		
Bromodichloromethane	18	ug/L	20.00		92	82-116		
Bromoform	15	ug/L	20.00		73	65-115		
Bromomethane	21	ug/L	20.00		103	28-143		
Carbon tetrachloride	20	ug/L	20.00		101	72-131		
Chlorobenzene	18	ug/L	20.00		92	82-112		
Chloroethane	19	ug/L	20.00		94	41-126		
Chloroform	19	ug/L	20.00		97	78-124		
Chloromethane	17	ug/L	20.00		84	52-110		
cis-1,3-Dichloropropene	19	ug/L	20.00		93	82-116		
Dibromochloromethane	18	ug/L	20.00		89	83-119		
Ethylbenzene	19	ug/L	20.00		96	85-118		
m,p-Xylene	34	ug/L	40.00		86	80-111		
Methylene chloride	21	ug/L	20.00		107	78-140		
o-Xylene	18	ug/L	20.00		88	81-111		
Tetrachloroethene	21	ug/L	20.00		107	65-135		
Toluene	19	ug/L	20.00		93	81-120		
trans-1,2-Dichloroethene	22	ug/L	20.00		108	70-136		
trans-1,3-Dichloropropene	19	ug/L	20.00		94	82-113		
Trichloroethene	20	ug/L	20.00		98	84-125		
Trichlorofluoromethane	19	ug/L	20.00		96	70-138		
Vinyl chloride	19	ug/L	20.00		93	56-112		
Surrogate: 1,2-Dichloroethane-d4	30.8	ug/L	30.00		103	65.3-134		
Surrogate: Bromofluorobenzene	30.2	ug/L	30.00		101	77.8-123		
Surrogate: Toluene-d8	29.4	ug/L	30.00		98	73.2-119		
Matrix Spike (B305676-MS1)			Source: 3040725-01		Prepared & Analyzed: 04/11/13			
1,1,1-Trichloroethane	19	ug/L	20.00	ND	97	58-143		
1,1,2,2-Tetrachloroethane	19	ug/L	20.00	ND	93	70-133		
1,1,2-Trichloroethane	18	ug/L	20.00	ND	91	73-130		
1,1-Dichloroethane	22	ug/L	20.00	ND	109	55-146		
1,1-Dichloroethene	22	ug/L	20.00	ND	109	51-150		



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Revised Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305676 - 04-No Prep VOA								
Matrix Spike (B305676-MS1)		Source: 3040725-01		Prepared & Analyzed: 04/11/13				
1,2-Dichlorobenzene	16	ug/L	20.00	ND	78	62-120		
1,2-Dichloroethane	20	ug/L	20.00	ND	102	67-143		
1,2-Dichloropropane	19	ug/L	20.00	ND	94	66-134		
1,3-Dichlorobenzene	17	ug/L	20.00	ND	86	67-124		
1,4-Dichlorobenzene	16	ug/L	20.00	ND	81	66-123		
Acrolein	70	ug/L	100.0	ND	70	14-156		
Acrylonitrile	19	ug/L	20.00	ND	94	46-116		
Benzene	19	ug/L	20.00	ND	93	69-126		
Bromodichloromethane	18	ug/L	20.00	ND	90	67-128		
Bromoform	15	ug/L	20.00	ND	74	42-132		
Bromomethane	19	ug/L	20.00	ND	96	5-138		
Carbon tetrachloride	20	ug/L	20.00	ND	101	53-151		
Chlorobenzene	17	ug/L	20.00	ND	85	67-124		
Chloroethane	19	ug/L	20.00	ND	96	35-123		
Chloroform	19	ug/L	20.00	ND	95	41-155		
Chloromethane	16	ug/L	20.00	ND	82	39-120		
cis-1,3-Dichloropropene	19	ug/L	20.00	ND	93	68-126		
Dibromochloromethane	17	ug/L	20.00	ND	84	68-131		
Ethylbenzene	18	ug/L	20.00	ND	92	68-128		
m,p-Xylene	34	ug/L	40.00	ND	84	64-122		
Methylene chloride	21	ug/L	20.00	ND	107	70-150		
o-Xylene	16	ug/L	20.00	ND	82	65-122		
Tetrachloroethene	17	ug/L	20.00	ND	85	42-132		
Toluene	18	ug/L	20.00	ND	88	64-137		
trans-1,2-Dichloroethene	21	ug/L	20.00	ND	106	57-145		
trans-1,3-Dichloropropene	17	ug/L	20.00	ND	86	66-121		
Trichloroethene	20	ug/L	20.00	ND	101	69-131		
Trichlorofluoromethane	19	ug/L	20.00	ND	94	36-162		
Vinyl chloride	18	ug/L	20.00	ND	91	24-137		
Surrogate: 1,2-Dichloroethane-d4	34.3	ug/L	30.00		114	63.3-137		
Surrogate: Bromofluorobenzene	29.9	ug/L	30.00		100	74.6-123		
Surrogate: Toluene-d8	30.8	ug/L	30.00		103	71-122		
Matrix Spike Dup (B305676-MSD1)		Source: 3040725-01		Prepared & Analyzed: 04/11/13				
1,1,1-Trichloroethane	19	ug/L	20.00	ND	97	58-143	0.1	40
1,1,2,2-Tetrachloroethane	19	ug/L	20.00	ND	95	70-133	2	40
1,1,2-Trichloroethane	18	ug/L	20.00	ND	91	73-130	0.5	40
1,1-Dichloroethane	21	ug/L	20.00	ND	104	55-146	5	40
1,1-Dichloroethene	21	ug/L	20.00	ND	106	51-150	3	40
1,2-Dichlorobenzene	16	ug/L	20.00	ND	80	62-120	2	40



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Revised Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305676 - 04-No Prep VOA								
Matrix Spike Dup (B305676-MSD1)		Source: 3040725-01		Prepared & Analyzed: 04/11/13				
1,2-Dichloroethane	20	ug/L	20.00	ND	99	67-143	3	40
1,2-Dichloropropane	18	ug/L	20.00	ND	92	66-134	3	40
1,3-Dichlorobenzene	17	ug/L	20.00	ND	83	67-124	4	40
1,4-Dichlorobenzene	16	ug/L	20.00	ND	81	66-123	0.1	40
Acrolein	52	ug/L	100.0	ND	52	14-156	29	40
Acrylonitrile	13	ug/L	20.00	ND	67	46-116	32	40
Benzene	17	ug/L	20.00	ND	86	69-126	7	40
Bromodichloromethane	17	ug/L	20.00	ND	87	67-128	3	40
Bromoform	15	ug/L	20.00	ND	74	42-132	0.2	40
Bromomethane	15	ug/L	20.00	ND	77	5-138	22	40
Carbon tetrachloride	20	ug/L	20.00	ND	100	53-151	2	40
Chlorobenzene	18	ug/L	20.00	ND	89	67-124	4	40
Chloroethane	18	ug/L	20.00	ND	92	35-123	5	40
Chloroform	19	ug/L	20.00	ND	97	41-155	1	40
Chloromethane	17	ug/L	20.00	ND	83	39-120	1	40
cis-1,3-Dichloropropene	17	ug/L	20.00	ND	87	68-126	7	40
Dibromochloromethane	17	ug/L	20.00	ND	86	68-131	2	40
Ethylbenzene	19	ug/L	20.00	ND	94	68-128	2	40
m,p-Xylene	33	ug/L	40.00	ND	82	64-122	2	40
Methylene chloride	22	ug/L	20.00	ND	110	70-150	2	40
o-Xylene	17	ug/L	20.00	ND	84	65-122	3	40
Tetrachloroethene	17	ug/L	20.00	ND	85	42-132	0.1	40
Toluene	18	ug/L	20.00	ND	91	64-137	3	40
trans-1,2-Dichloroethene	21	ug/L	20.00	ND	105	57-145	0.8	40
trans-1,3-Dichloropropene	17	ug/L	20.00	ND	86	66-121	0.3	40
Trichloroethene	19	ug/L	20.00	ND	93	69-131	8	40
Trichlorofluoromethane	18	ug/L	20.00	ND	90	36-162	4	40
Vinyl chloride	17	ug/L	20.00	ND	85	24-137	7	40
Surrogate: 1,2-Dichloroethane-d4	28.9	ug/L	30.00		96	63.3-137		
Surrogate: Bromofluorobenzene	30.7	ug/L	30.00		102	74.6-123		
Surrogate: Toluene-d8	29.2	ug/L	30.00		97	71-122		

Volatile Organics- TCLP - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305640 - 04-No Prep VOA								
Blank (B305640-BLK1)		Prepared & Analyzed: 04/11/13						



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Revised Laboratory Results

Volatile Organics- TCLP - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305640 - 04-No Prep VOA								
Blank (B305640-BLK1)			Prepared & Analyzed: 04/11/13					
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>	31.9	ug/L	30.00		106	59.4-135		
<i>Surrogate: Toluene-d8</i>	29.9	ug/L	30.00		100	77.7-111		
<i>Surrogate: Bromofluorobenzene</i>	29.5	ug/L	30.00		98	74-125		
LCS (B305640-BS1)			Prepared & Analyzed: 04/11/13					
1,1-Dichloroethene	21	ug/L	20.00		104	84-127		
1,2-Dichloroethane	20	ug/L	20.00		101	86-134		
1,4-Dichlorobenzene	17	ug/L	20.00		83	82-121		
2-Butanone	24	ug/L	20.00		122	42-133		
Benzene	18	ug/L	20.00		91	88-117		
Carbon tetrachloride	20	ug/L	20.00		99	77-132		
Chlorobenzene	18	ug/L	20.00		89	87-112		
Chloroform	19	ug/L	20.00		95	78-132		
Tetrachloroethene	18	ug/L	20.00		89	74-124		
Trichloroethene	19	ug/L	20.00		97	90-126		
Vinyl chloride	16	ug/L	20.00		81	56-121		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	33.0	ug/L	30.00		110	58.5-138		
<i>Surrogate: Toluene-d8</i>	28.9	ug/L	30.00		96	70.3-119		
<i>Surrogate: Bromofluorobenzene</i>	30.5	ug/L	30.00		102	74-126		
Matrix Spike (B305640-MS1)			Source: 3040491-01		Prepared & Analyzed: 04/11/13			
1,1-Dichloroethene	92	ug/L	200.0	ND	46	32-165		
1,2-Dichloroethane	199	ug/L	200.0	ND	99	88-130		
1,4-Dichlorobenzene	150	ug/L	200.0	ND	75	75-121		
2-Butanone	245	ug/L	200.0	ND	122	5-176		
Benzene	135	ug/L	200.0	ND	68	64-132		
Carbon tetrachloride	85	ug/L	200.0	ND	42	34-160		
Chlorobenzene	150	ug/L	200.0	ND	75	73-123		
Chloroform	173	ug/L	200.0	ND	86	68-141		



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Revised Laboratory Results

Volatile Organics- TCLP - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305640 - 04-No Prep VOA								
Matrix Spike (B305640-MS1)			Source: 3040491-01		Prepared & Analyzed: 04/11/13			
Tetrachloroethene	99	ug/L	200.0	ND	50	16-164		
Trichloroethene	126	ug/L	200.0	ND	63	45-161		
Vinyl chloride	59	ug/L	200.0	ND	29	10-152		
Surrogate: 1,2-Dichloroethane-d4	30.2	ug/L	30.00		101	59-133		
Surrogate: Toluene-d8	28.7	ug/L	30.00		96	78.2-110		
Surrogate: Bromofluorobenzene	30.2	ug/L	30.00		101	72.2-127		
Matrix Spike (B305640-MS2)			Source: 3041168-01		Prepared & Analyzed: 04/11/13			
1,1-Dichloroethene	368	ug/L	800.0	ND	46	32-165		
1,2-Dichloroethane	774	ug/L	800.0	ND	97	88-130		
1,4-Dichlorobenzene	627	ug/L	800.0	ND	78	75-121		
2-Butanone	3130	ug/L	800.0	2160	122	5-176		
Benzene	563	ug/L	800.0	15	69	64-132		
Carbon tetrachloride	353	ug/L	800.0	ND	44	34-160		
Chlorobenzene	615	ug/L	800.0	ND	77	73-123		
Chloroform	651	ug/L	800.0	ND	81	68-141		
Tetrachloroethene	416	ug/L	800.0	ND	52	16-164		
Trichloroethene	513	ug/L	800.0	ND	64	45-161		
Vinyl chloride	242	ug/L	800.0	ND	30	10-152		
Surrogate: 1,2-Dichloroethane-d4	30.3	ug/L	30.00		101	59-133		
Surrogate: Toluene-d8	29.2	ug/L	30.00		97	78.2-110		
Surrogate: Bromofluorobenzene	30.4	ug/L	30.00		101	72.2-127		
Matrix Spike (B305640-MS3)			Source: 3041168-06		Prepared & Analyzed: 04/11/13			
1,1-Dichloroethene	359	ug/L	800.0	ND	45	32-165		
1,2-Dichloroethane	762	ug/L	800.0	ND	95	88-130		
1,4-Dichlorobenzene	612	ug/L	800.0	ND	77	75-121		
2-Butanone	Q1 3160	ug/L	800.0	1660	188	5-176		
Benzene	541	ug/L	800.0	ND	68	64-132		
Carbon tetrachloride	340	ug/L	800.0	ND	43	34-160		
Chlorobenzene	615	ug/L	800.0	ND	77	73-123		
Chloroform	639	ug/L	800.0	ND	80	68-141		
Tetrachloroethene	406	ug/L	800.0	ND	51	16-164		
Trichloroethene	532	ug/L	800.0	ND	66	45-161		
Vinyl chloride	233	ug/L	800.0	ND	29	10-152		
Surrogate: 1,2-Dichloroethane-d4	31.7	ug/L	30.00		106	59-133		
Surrogate: Toluene-d8	29.4	ug/L	30.00		98	78.2-110		
Surrogate: Bromofluorobenzene	29.4	ug/L	30.00		98	72.2-127		



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Revised Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305476 - 04 SW 3510 (625/8270)								
Blank (B305476-BLK1)			Prepared & Analyzed: 04/11/13					
1,2,4-Trichlorobenzene	< 10.0	ug/L						
1,2-Dichlorobenzene	< 10.0	ug/L						
1,3-Dichlorobenzene	< 10.0	ug/L						
1,4-Dichlorobenzene	< 10.0	ug/L						
2,4,5-Trichlorophenol	< 10.0	ug/L						
2,4,6-Trichlorophenol	< 10.0	ug/L						
2,4-Dichlorophenol	< 10.0	ug/L						
2,4-Dimethylphenol	< 10.0	ug/L						
2,4-Dinitrophenol	< 10.0	ug/L						
2,4-Dinitrotoluene	< 10.0	ug/L						
2,6-Dimethylaniline	< 5.00	ug/L						
2,6-Dinitrotoluene	< 10.0	ug/L						
2-Chloronaphthalene	< 10.0	ug/L						
2-Chlorophenol	< 10.0	ug/L						
2-Methylnaphthalene	< 10.0	ug/L						
2-Methylphenol	< 10.0	ug/L						
2-Nitroaniline	< 10.0	ug/L						
2-Nitrophenol	< 10.0	ug/L						
3- & 4-Methylphenol	< 10.0	ug/L						
3,3'-Dichlorobenzidine	< 10.0	ug/L						
3-Nitroaniline	< 10.0	ug/L						
4,6-Dinitro-2-methylphenol	< 10.0	ug/L						
4-Bromophenylphenyl ether	< 10.0	ug/L						
4-Chloro-3-methylphenol	< 10.0	ug/L						
4-Chloroaniline	< 10.0	ug/L						
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						



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Bridgeton Landfill
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St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305476 - 04 SW 3510 (625/8270)								
Blank (B305476-BLK1)			Prepared & Analyzed: 04/11/13					
Benzo(k)fluoranthene	< 10.0	ug/L						
Benzoic Acid	< 10.0	ug/L						
Benzyl alcohol	< 10.0	ug/L						
Bis(2-chloroethoxy) methane	< 10.0	ug/L						
Bis(2-chloroethyl) ether	< 10.0	ug/L						
Bis(2-chloroisopropyl) ether	< 10.0	ug/L						
Bis(2-ethylhexyl) phthalate	< 10.0	ug/L						
Butyl benzyl phthalate	< 10.0	ug/L						
Carbazole	< 10.0	ug/L						
Chrysene	< 10.0	ug/L						
Dibenzo(a,h)anthracene	< 10.0	ug/L						
Dibenzofuran	< 10.0	ug/L						
Diethyl phthalate	< 10.0	ug/L						
Dimethyl phthalate	< 10.0	ug/L						
Di-n-butyl phthalate	< 10.0	ug/L						
Di-n-octyl phthalate	< 10.0	ug/L						
Diphenylamine	< 10.0	ug/L						
Fluoranthene	< 10.0	ug/L						
Fluorene	< 10.0	ug/L						
Hexachlorobenzene	< 10.0	ug/L						
Hexachlorobutadiene	< 10.0	ug/L						
Hexachlorocyclopentadiene	< 10.0	ug/L						
Hexachloroethane	< 10.0	ug/L						
Indeno(1,2,3-cd)pyrene	< 10.0	ug/L						
Isophorone	< 10.0	ug/L						
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						
Surrogate: 2-Fluorophenol	58	ug/L	80.00		73	52.2-99.4		
Surrogate: Phenol- d5	60	ug/L	80.00		75	56.8-100		
Surrogate: Nitrobenzene-d5	63	ug/L	80.00		78	62.4-112		
Surrogate: 2-Fluorobiphenyl	60	ug/L	80.00		75	58-107		
Surrogate: 2,4,6-Tribromophenol	57	ug/L	80.00		71	37.6-118		



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PO#: 3496416

Revised Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305476 - 04 SW 3510 (625/8270)								
Blank (B305476-BLK1)			Prepared & Analyzed: 04/11/13					
Surrogate: <i>p</i> -Terphenyl-d14	54	ug/L	80.00		68	42.1-123		
LCS (B305476-BS1)			Prepared & Analyzed: 04/11/13					
1,2,4-Trichlorobenzene	59	ug/L	80.00		74	56-88		
1,2-Dichlorobenzene	58	ug/L	80.00		73	56-86		
1,3-Dichlorobenzene	56	ug/L	80.00		70	54-84		
1,4-Dichlorobenzene	59	ug/L	80.00		74	55-87		
2,4,5-Trichlorophenol	73	ug/L	80.00		91	54-107		
2,4,6-Trichlorophenol	76	ug/L	80.00		95	53-108		
2,4-Dichlorophenol	68	ug/L	80.00		84	57-100		
2,4-Dimethylphenol	69	ug/L	80.00		86	58-99		
2,4-Dinitrophenol	78	ug/L	80.00		97	41-122		
2,4-Dinitrotoluene	59	ug/L	80.00		73	46-100		
2,6-Dinitrotoluene	62	ug/L	80.00		78	53-100		
2-Chloronaphthalene	60	ug/L	80.00		75	54-90		
2-Chlorophenol	65	ug/L	80.00		82	59-97		
2-Methylphenol	66	ug/L	80.00		82	56-107		
2-Nitrophenol	68	ug/L	80.00		84	56-105		
3- & 4-Methylphenol	66	ug/L	80.00		83	56-100		
3,3'-Dichlorobenzidine	70	ug/L	80.00		87	50-107		
4,6-Dinitro-2-methylphenol	84	ug/L	80.00	C, X	105	51-102		
4-Bromophenylphenyl ether	60	ug/L	80.00		75	52-97		
4-Chloro-3-methylphenol	70	ug/L	80.00		88	58-102		
4-Chlorophenylphenyl ether	60	ug/L	80.00		75	52-98		
4-Nitrophenol	73	ug/L	80.00		91	47-114		
Acenaphthene	59	ug/L	80.00		74	54-93		
Acenaphthylene	60	ug/L	80.00		75	56-93		
Anthracene	59	ug/L	80.00		74	57-94		
Azobenzene	57	ug/L	80.00		72	44-98		
Benzidine	20	ug/L	80.00		25	10-68		
Benzo(a)anthracene	52	ug/L	80.00		65	45-94		
Benzo(a)pyrene	68	ug/L	80.00		85	50-111		
Benzo(b&k)fluoranthene	122	ug/L	160.0		76	52-102		
Benzo(b)fluoranthene	63	ug/L	80.00		79	50-108		
Benzo(g,h,i)perylene	62	ug/L	80.00		78	45-102		
Benzo(k)fluoranthene	64	ug/L	80.00		80	50-98		
Benzoic Acid	73	ug/L	80.00		92	43-117		
Bis(2-chloroethoxy) methane	57	ug/L	80.00		71	52-89		
Bis(2-chloroethyl) ether	55	ug/L	80.00		68	55-88		
Bis(2-chloroisopropyl) ether	48	ug/L	80.00		60	37-81		



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Revised Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305476 - 04 SW 3510 (625/8270)								
LCS (B305476-BS1)			Prepared & Analyzed: 04/11/13					
Bis(2-ethylhexyl) phthalate	60	ug/L	80.00		76	44-97		
Butyl benzyl phthalate	56	ug/L	80.00		70	44-96		
Chrysene	61	ug/L	80.00		77	50-100		
Dibenzo(a,h)anthracene	65	ug/L	80.00		81	53-99		
Diethyl phthalate	56	ug/L	80.00		70	53-92		
Dimethyl phthalate	58	ug/L	80.00		73	53-93		
Di-n-butyl phthalate	56	ug/L	80.00		70	55-96		
Di-n-octyl phthalate	54	ug/L	80.00		68	42-110		
Diphenylamine	55	ug/L	80.00		69	49-97		
Fluoranthene	57	ug/L	80.00		71	56-92		
Fluorene	58	ug/L	80.00		73	52-97		
Hexachlorobenzene	59	ug/L	80.00		74	51-98		
Hexachlorobutadiene	62	ug/L	80.00		77	54-92		
Hexachlorocyclopentadiene	50	ug/L	80.00		62	27-85		
Hexachloroethane	59	ug/L	80.00		73	56-83		
Indeno(1,2,3-cd)pyrene	66	ug/L	80.00		83	50-106		
Isophorone	52	ug/L	80.00		65	52-85		
Naphthalene	59	ug/L	80.00		73	59-87		
Nitrobenzene	59	ug/L	80.00		73	48-95		
N-Nitrosodimethylamine	63	ug/L	80.00		79	53-90		
N-Nitrosodi-n-propylamine	56	ug/L	80.00		70	47-87		
Pentachlorophenol	77	ug/L	80.00		97	49-128		
Phenanthrene	59	ug/L	80.00		74	55-95		
Phenol	65	ug/L	80.00		81	55-96		
Pyrene	61	ug/L	80.00		76	51-98		
Surrogate: 2-Fluorophenol		62 ug/L	80.00		77	52.2-99.4		
Surrogate: Phenol- d5		64 ug/L	80.00		80	56.8-100		
Surrogate: Nitrobenzene-d5		63 ug/L	80.00		79	62.4-112		
Surrogate: 2-Fluorobiphenyl		64 ug/L	80.00		80	58-107		
Surrogate: 2,4,6-Tribromophenol		72 ug/L	80.00		90	37.6-118		
Surrogate: p-Terphenyl-d14		56 ug/L	80.00		70	42.1-123		
LCS Dup (B305476-BSD1)			Prepared & Analyzed: 04/11/13					
1,2,4-Trichlorobenzene	58	ug/L	80.00		72	56-88	2	40
1,2-Dichlorobenzene	58	ug/L	80.00		73	56-86	0.01	40
1,3-Dichlorobenzene	56	ug/L	80.00		70	54-84	0.4	40
1,4-Dichlorobenzene	59	ug/L	80.00		74	55-87	0.6	40
2,4,5-Trichlorophenol	69	ug/L	80.00		87	54-107	4	40
2,4,6-Trichlorophenol	74	ug/L	80.00		92	53-108	2	40
2,4-Dichlorophenol	66	ug/L	80.00		82	57-100	3	40



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PO#: 3496416

Revised Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305476 - 04 SW 3510 (625/8270)								
LCS Dup (B305476-BSD1)			Prepared & Analyzed: 04/11/13					
2,4-Dimethylphenol	66	ug/L	80.00		83	58-99	4	40
2,4-Dinitrophenol	80	ug/L	80.00		100	41-122	2	40
2,4-Dinitrotoluene	58	ug/L	80.00		73	46-100	0.6	40
2,6-Dinitrotoluene	62	ug/L	80.00		77	53-100	0.7	40
2-Chloronaphthalene	59	ug/L	80.00		73	54-90	1	40
2-Chlorophenol	64	ug/L	80.00		80	59-97	2	40
2-Methylphenol	64	ug/L	80.00		80	56-107	2	40
2-Nitrophenol	65	ug/L	80.00		82	56-105	3	40
3- & 4-Methylphenol	65	ug/L	80.00		81	56-100	2	40
3,3'-Dichlorobenzidine	69	ug/L	80.00		86	50-107	1	40
4,6-Dinitro-2-methylphenol	C, X 84	ug/L	80.00		105	51-102	0.4	40
4-Bromophenylphenyl ether	59	ug/L	80.00		73	52-97	2	40
4-Chloro-3-methylphenol	68	ug/L	80.00		85	58-102	4	40
4-Chlorophenylphenyl ether	60	ug/L	80.00		75	52-98	0.5	40
4-Nitrophenol	69	ug/L	80.00		87	47-114	5	40
Acenaphthene	58	ug/L	80.00		73	54-93	2	40
Acenaphthylene	58	ug/L	80.00		73	56-93	2	40
Anthracene	58	ug/L	80.00		72	57-94	2	40
Azobenzene	56	ug/L	80.00		70	44-98	2	40
Benzidine	28	ug/L	80.00		35	10-68	34	40
Benzo(a)anthracene	52	ug/L	80.00		65	45-94	0.4	40
Benzo(a)pyrene	68	ug/L	80.00		84	50-111	1	40
Benzo(b&k)fluoranthene	121	ug/L	160.0		76	52-102	0.6	40
Benzo(b)fluoranthene	61	ug/L	80.00		77	50-108	3	40
Benzo(g,h,i)perylene	61	ug/L	80.00		76	45-102	2	40
Benzo(k)fluoranthene	64	ug/L	80.00		80	50-98	0.3	40
Benzoic Acid	72	ug/L	80.00		90	43-117	2	40
Bis(2-chloroethoxy) methane	49	ug/L	80.00		61	52-89	14	40
Bis(2-chloroethyl) ether	56	ug/L	80.00		70	55-88	2	40
Bis(2-chloroisopropyl) ether	47	ug/L	80.00		58	37-81	2	40
Bis(2-ethylhexyl) phthalate	60	ug/L	80.00		75	44-97	1	40
Butyl benzyl phthalate	56	ug/L	80.00		70	44-96	0.7	40
Chrysene	63	ug/L	80.00		78	50-100	2	40
Dibenzo(a,h)anthracene	64	ug/L	80.00		80	53-99	1	40
Diethyl phthalate	55	ug/L	80.00		69	53-92	2	40
Dimethyl phthalate	58	ug/L	80.00		72	53-93	1	40
Di-n-butyl phthalate	54	ug/L	80.00		68	55-96	3	40
Di-n-octyl phthalate	54	ug/L	80.00		67	42-110	1	40
Diphenylamine	54	ug/L	80.00		67	49-97	2	40



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Revised Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305476 - 04 SW 3510 (625/8270)								
LCS Dup (B305476-BSD1)			Prepared & Analyzed: 04/11/13					
Fluoranthene	56	ug/L	80.00		70	56-92	2	40
Fluorene	58	ug/L	80.00		72	52-97	0.1	40
Hexachlorobenzene	59	ug/L	80.00		73	51-98	2	40
Hexachlorobutadiene	62	ug/L	80.00		77	54-92	0.2	40
Hexachlorocyclopentadiene	50	ug/L	80.00		62	27-85	0.3	40
Hexachloroethane	58	ug/L	80.00		73	56-83	0.3	40
Indeno(1,2,3-cd)pyrene	66	ug/L	80.00		83	50-106	0.1	40
Isophorone	51	ug/L	80.00		64	52-85	2	40
Naphthalene	58	ug/L	80.00		72	59-87	2	40
Nitrobenzene	57	ug/L	80.00		72	48-95	2	40
N-Nitrosodimethylamine	61	ug/L	80.00		76	53-90	3	40
N-Nitrosodi-n-propylamine	49	ug/L	80.00		62	47-87	12	40
Pentachlorophenol	75	ug/L	80.00		94	49-128	3	40
Phenanthrene	58	ug/L	80.00		72	55-95	3	40
Phenol	63	ug/L	80.00		79	55-96	3	40
Pyrene	61	ug/L	80.00		76	51-98	0.5	40
Surrogate: 2-Fluorophenol	59	ug/L	80.00		74	52.2-99.4		
Surrogate: Phenol- d5	61	ug/L	80.00		76	56.8-100		
Surrogate: Nitrobenzene-d5	60	ug/L	80.00		75	62.4-112		
Surrogate: 2-Fluorobiphenyl	61	ug/L	80.00		76	58-107		
Surrogate: 2,4,6-Tribromophenol	69	ug/L	80.00		86	37.6-118		
Surrogate: p-Terphenyl-d14	53	ug/L	80.00		66	42.1-123		

Semivolatile Organics-TCLP - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305478 - 04 SW 3510 (M8270 TCLP)								
Blank (B305478-BLK1)			Prepared & Analyzed: 04/11/13					
2,4,5-Trichlorophenol	< 100	ug/L						
2,4,6-Trichlorophenol	< 100	ug/L						
2,4-Dinitrotoluene	< 100	ug/L						
2-Methylphenol	< 100	ug/L						
3- & 4-Methylphenol	< 100	ug/L						
Hexachlorobenzene	< 100	ug/L						
Hexachlorobutadiene	< 100	ug/L						
Hexachloroethane	< 100	ug/L						
Nitrobenzene	< 100	ug/L						



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Revised Laboratory Results

Semivolatile Organics-TCLP - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305478 - 04 SW 3510 (M8270 TCLP)								
Blank (B305478-BLK1)			Prepared & Analyzed: 04/11/13					
Pentachlorophenol	< 100	ug/L						
Pyridine	< 100	ug/L						
<i>Surrogate: 2-Fluorophenol</i>	510	ug/L	800.0		63	42.9-95		
<i>Surrogate: Phenol- d5</i>	450	ug/L	800.0		57	35-95.3		
<i>Surrogate: Nitrobenzene-d5</i>	420	ug/L	500.0		84	58.3-111		
<i>Surrogate: 2-Fluorobiphenyl</i>	370	ug/L	500.0		74	53.4-104		
<i>Surrogate: 2,4,6-Tribromophenol</i>	690	ug/L	800.0		86	46.2-106		
<i>Surrogate: p-Terphenyl-d14</i>	370	ug/L	500.0		73	52.7-117		
LCS (B305478-BS1)			Prepared & Analyzed: 04/11/13					
2,4,5-Trichlorophenol	694	ug/L	800.0		87	56-101		
2,4,6-Trichlorophenol	717	ug/L	800.0		90	60-100		
2,4-Dinitrotoluene	640	ug/L	800.0		80	55-108		
2-Methylphenol	607	ug/L	800.0		76	58-106		
3- & 4-Methylphenol	599	ug/L	800.0		75	56-104		
Hexachlorobenzene	639	ug/L	800.0		80	45-99		
Hexachlorobutadiene	623	ug/L	800.0		78	55-103		
Hexachloroethane	530	ug/L	800.0		66	53-101		
Nitrobenzene	627	ug/L	800.0		78	54-109		
Pentachlorophenol	828	ug/L	800.0		104	48-117		
Pyridine	531	ug/L	800.0		66	37-90		
<i>Surrogate: 2-Fluorophenol</i>	540	ug/L	800.0		67	42.9-95		
<i>Surrogate: Phenol- d5</i>	470	ug/L	800.0		59	35-95.3		
<i>Surrogate: Nitrobenzene-d5</i>	440	ug/L	500.0		88	58.3-111		
<i>Surrogate: 2-Fluorobiphenyl</i>	400	ug/L	500.0		79	53.4-104		
<i>Surrogate: 2,4,6-Tribromophenol</i>	780	ug/L	800.0		97	46.2-106		
<i>Surrogate: p-Terphenyl-d14</i>	390	ug/L	500.0		79	52.7-117		
Matrix Spike (B305478-MS1)			Source: 3041168-01		Prepared & Analyzed: 04/11/13			
2,4,5-Trichlorophenol	608	ug/L	800.0	ND	76	49-100		
2,4,6-Trichlorophenol	628	ug/L	800.0	ND	79	50-101		
2,4-Dinitrotoluene	527	ug/L	800.0	ND	66	48-101		
2-Methylphenol	562	ug/L	800.0	64	62	48-102		
3- & 4-Methylphenol	688	ug/L	800.0	125	70	44-101		
Hexachlorobenzene	503	ug/L	800.0	ND	63	34-93		
Hexachlorobutadiene	528	ug/L	800.0	ND	66	37-100		
Hexachloroethane	446	ug/L	800.0	ND	56	41-92		
Nitrobenzene	527	ug/L	800.0	ND	66	35-114		
Pentachlorophenol	762	ug/L	800.0	ND	95	42-114		
Pyridine	433	ug/L	800.0	11	53	18-96		



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Revised Laboratory Results

Semivolatile Organics-TCLP - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305478 - 04 SW 3510 (M8270 TCLP)								
Matrix Spike (B305478-MS1)			Source: 3041168-01		Prepared & Analyzed: 04/11/13			
Surrogate: 2-Fluorophenol	460	ug/L	800.0		57	28-92		
Surrogate: Phenol- d5	460	ug/L	800.0		57	11-100		
Surrogate: Nitrobenzene-d5	380	ug/L	500.0		76	48-105		
Surrogate: 2-Fluorobiphenyl	370	ug/L	500.0		74	41-107		
Surrogate: 2,4,6-Tribromophenol	690	ug/L	800.0		86	36-108		
Surrogate: p-Terphenyl-d14	340	ug/L	500.0		68	45-117		
Matrix Spike (B305478-MS2)			Source: 3041168-06		Prepared & Analyzed: 04/11/13			
2,4,5-Trichlorophenol	600	ug/L	800.0	ND	75	49-100		
2,4,6-Trichlorophenol	594	ug/L	800.0	ND	74	50-101		
2,4-Dinitrotoluene	551	ug/L	800.0	ND	69	48-101		
2-Methylphenol	610	ug/L	800.0	101	64	48-102		
3- & 4-Methylphenol	763	ug/L	800.0	188	72	44-101		
Hexachlorobenzene	522	ug/L	800.0	ND	65	34-93		
Hexachlorobutadiene	559	ug/L	800.0	ND	70	37-100		
Hexachloroethane	519	ug/L	800.0	ND	65	41-92		
Nitrobenzene	501	ug/L	800.0	ND	63	35-114		
Pentachlorophenol	689	ug/L	800.0	ND	86	42-114		
Pyridine	602	ug/L	800.0	17	73	18-96		
Surrogate: 2-Fluorophenol	480	ug/L	800.0		60	28-92		
Surrogate: Phenol- d5	490	ug/L	800.0		61	11-100		
Surrogate: Nitrobenzene-d5	390	ug/L	500.0		77	48-105		
Surrogate: 2-Fluorobiphenyl	380	ug/L	500.0		75	41-107		
Surrogate: 2,4,6-Tribromophenol	610	ug/L	800.0		77	36-108		
Surrogate: p-Terphenyl-d14	360	ug/L	500.0		73	45-117		

Herbicides- TCLP - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305483 - EPA 8151								
Blank (B305483-BLK1)			Prepared: 04/09/13 Analyzed: 04/12/13					
2,4-D	< 0.01	mg/L						
Silvex	< 0.005	mg/L						
Surrogate: DCAA	0.00190	mg/L	0.002000		95	10-175		
Blank (B305483-BLK2)			Prepared: 04/09/13 Analyzed: 04/12/13					
2,4-D	< 0.1	mg/L						
Silvex	< 0.05	mg/L						

3041168



PDC Laboratories, Inc.

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Herbicides- TCLP - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305483 - EPA 8151								
Blank (B305483-BLK2)			Prepared: 04/09/13 Analyzed: 04/12/13					
Surrogate: DCAA	0.0196	mg/L	0.02000		98	10-175		
Blank (B305483-BLK3)			Prepared: 04/09/13 Analyzed: 04/12/13					
2,4-D	< 0.1	mg/L						
Silvex	< 0.05	mg/L						
Surrogate: DCAA	0.0193	mg/L	0.02000		96	10-175		
LCS (B305483-BS1)			Prepared: 04/09/13 Analyzed: 04/12/13					
2,4-D	0.001	mg/L	0.001500		81	19-199		
Silvex	< 0.005	mg/L	0.001500			41-125		
Surrogate: DCAA	0.00223	mg/L	0.002000		111	10-175		
Matrix Spike (B305483-MS1)			Source: 3040491-01 Prepared: 04/09/13 Analyzed: 04/12/13					
2,4-D	0.01	mg/L	0.01500	ND	85	21-210		
Silvex	0.01	mg/L	0.01500	ND		29-140		
Surrogate: DCAA	0.0220	mg/L	0.02000		110	10-175		
Matrix Spike Dup (B305483-MSD1)			Source: 3040491-01 Prepared: 04/09/13 Analyzed: 04/12/13					
2,4-D	0.01	mg/L	0.01500	ND	96	21-210	13	40
Silvex	< 0.05	mg/L	0.01500	ND		29-140		40
Surrogate: DCAA	0.0169	mg/L	0.02000		84	10-175		

Pesticides-TCLP - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305602 - EPA 608/8081/8082/8141								
Blank (B305602-BLK1)			Prepared: 04/11/13 Analyzed: 04/12/13					
Chlordane (technical)	< 0.001	mg/L						
Endrin	< 0.00005	mg/L						
gamma-BHC (Lindane)	< 0.00005	mg/L						
Heptachlor	< 0.00005	mg/L						
Heptachlor epoxide	< 0.00005	mg/L						
Methoxychlor	< 0.0002	mg/L						
Toxaphene	< 0.001	mg/L						
Surrogate: TCMX	0.00036	mg/L	5.000E-4		72	46-112		
Surrogate: DCBP	0.00020	mg/L	5.000E-4		40	10-127		
Blank (B305602-BLK2)			Prepared: 04/11/13 Analyzed: 04/12/13					
Chlordane (technical)	< 0.010	mg/L						



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St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Pesticides-TCLP - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305602 - EPA 608/8081/8082/8141								
Blank (B305602-BLK2)			Prepared: 04/11/13 Analyzed: 04/12/13					
Endrin	< 0.0005	mg/L						
gamma-BHC (Lindane)	< 0.0005	mg/L						
Heptachlor	< 0.0005	mg/L						
Heptachlor epoxide	< 0.0005	mg/L						
Methoxychlor	< 0.002	mg/L						
Toxaphene	< 0.010	mg/L						
Surrogate: TCMX	0.0041	mg/L	0.005000		82	46-112		
Surrogate: DCBP	0.0047	mg/L	0.005000		93	10-127		
Blank (B305602-BLK3)			Prepared: 04/11/13 Analyzed: 04/12/13					
Chlordane (technical)	< 0.010	mg/L						
Endrin	< 0.0005	mg/L						
gamma-BHC (Lindane)	< 0.0005	mg/L						
Heptachlor	< 0.0005	mg/L						
Heptachlor epoxide	< 0.0005	mg/L						
Methoxychlor	< 0.002	mg/L						
Toxaphene	< 0.010	mg/L						
Surrogate: TCMX	0.0038	mg/L	0.005000		77	46-112		
Surrogate: DCBP	0.0043	mg/L	0.005000		86	10-127		
LCS (B305602-BS1)			Prepared: 04/11/13 Analyzed: 04/13/13					
Chlordane (technical)	< 0.001	mg/L				43.1-119		
Endrin	0.0007	mg/L	8.000E-4		94	63-119		
gamma-BHC (Lindane)	0.0008	mg/L	8.000E-4		95	62-113		
Heptachlor	0.0007	mg/L	8.000E-4		86	58-110		
Heptachlor epoxide	0.0007	mg/L	8.000E-4		93	64-113		
Methoxychlor	0.003	mg/L	0.003200		93	66-116		
Toxaphene	< 0.001	mg/L				10-93.8		
Surrogate: TCMX	0.00035	mg/L	5.000E-4		69	46-112		
Surrogate: DCBP	0.00038	mg/L	5.000E-4		75	10-127		
Matrix Spike (B305602-MS1)			Source: 3041434-01			Prepared: 04/11/13 Analyzed: 04/13/13		
Endrin	0.008	mg/L	0.008000	ND	96	56-120		
gamma-BHC (Lindane)	0.008	mg/L	0.008000	ND	97	32-123		
Heptachlor	0.007	mg/L	0.008000	ND	90	39-116		
Heptachlor epoxide	0.008	mg/L	0.008000	ND	95	50-114		
Methoxychlor	0.03	mg/L	0.03200	ND	96	52-121		
Surrogate: TCMX	0.0036	mg/L	0.005000		73	46-112		
Surrogate: DCBP	0.0041	mg/L	0.005000		82	10-127		
Matrix Spike Dup (B305602-MSD1)			Source: 3041434-01			Prepared: 04/11/13 Analyzed: 04/13/13		



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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Sean Torrey

Date Received: 04/05/13 16:45
Report Date: 04/16/13
Customer #: 277310
PO#: 3496416

Revised Laboratory Results

Pesticides-TCLP - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305602 - EPA 608/8081/8082/8141								
Matrix Spike Dup (B305602-MSD1)		Source: 3041434-01		Prepared: 04/11/13 Analyzed: 04/13/13				
Endrin	0.008	mg/L	0.008000	ND	97	56-120	2	40
gamma-BHC (Lindane)	0.008	mg/L	0.008000	ND	100	32-123	2	40
Heptachlor	0.007	mg/L	0.008000	ND	92	39-116	2	40
Heptachlor epoxide	0.008	mg/L	0.008000	ND	97	50-114	2	40
Methoxychlor	0.03	mg/L	0.03200	ND	98	52-121	2	40
Surrogate: TCMX	0.0037	mg/L	0.005000		74	46-112		
Surrogate: DCBP	0.0042	mg/L	0.005000		84	10-127		
Reference (B305602-SRM1)		Prepared: 04/11/13 Analyzed: 04/13/13						
Chlordane (technical)	0.002	mg/L	0.001600		111	0-200		
Toxaphene	0.003	mg/L	0.003200		84	0-200		
Surrogate: TCMX	0.0	mg/L	5.000E-4			46-112		
Surrogate: DCBP	0.0	mg/L	5.000E-4			10-127		



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Revised Laboratory Results

Notes

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

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

- PIA PDC Laboratories - Peoria, IL
NELAC Accreditation for Drinking Water, Wastewater, Hazardous and Solid Wastes Fields of Testing through IL EPA Lab No. 100230
Illinois Department of Public Health Bacteriological Analysis in Drinking Water Approved Laboratory Registry No. 17553
Drinking Water Certifications: Kansas (E-10338); Missouri (870); Wisconsin (998284430); Indiana (C-IL-040); Iowa (240)
Wastewater Certifications: Arkansas (88-0677); Wisconsin (998284430); Iowa (240); Kansas (E-10335)
Hazardous/Solid Waste Certifications: Arkansas (88-0677); Wisconsin (998284430); Iowa (240); Kansas (E-10335)
UST Certification; Iowa (240)
- SPM PDC Laboratories - Springfield, MO
EPA DMR-QA Program
- STL PDC Laboratories - St. Louis, MO
NELAC Accreditation for Wastewater, Hazardous and Solid Wastes Fields of Testing
Drinking Water Certifications: Kansas (E-10389)
- X High Bs,Bsd recovery, samples nondetect.
- S Surrogate compound diluted below a reliable quantitation level.
- Q1 MS Failed %R
- C The blank spike failed to meet the required acceptance criteria.

Certified by: Roxann Shull, Client Services Supervisor



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

CHAIN OF CUSTODY RECORD
 Phone (314) 432-0550 or (314) 921-4488
 Fax (314) 432-4977

State where samples collected MO

(Instructions/Sample Acceptance Policy on Reverse)

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

1 CLIENT Bridgeton L.F. ADDRESS: 13570 St. Charles Rock Rd. CITY STATE ZIP: Bridgeton, MO 63044 CONTACT PERSON: Ed Galbraith		PROJECT NUMBER P.O. NUMBER MEANS SHIPPED: Delivered	3 ANALYSIS REQUESTED TCLP Metals TCLP Volatiles TCLP Semi-Volatiles TCLP Pesticides TCLP Herbicides VOCs (8260) SVOCs (8270)		4 (FOR LAB USE ONLY) LOGIN #: 3041168 LOGGED BY: HE LAB PROJ. # TEMPLATE: PROJ. MGR.:									
2 SAMPLE DESCRIPTION AS YOU WANT ON REPORT		PHONE NUMBER: (573) 638-5044 FAX NUMBER EMAIL ADDRESS: egalbraith@bur.com SAMPLER: Scott C. Fedak SAMPLER'S SIGNATURE: Scott C. Fedak MATRIX TYPES: WW-WASTEWATER DW-DRINKING WATER GW-GROUND WATER WWSL-SLUDGE NAS-SOLID L'CHT-LEACHATE NAL-NONAQUEOUS SOIL-SOILS	REMARKS See Attached sheets for detailed Analysis List ADD TOC PER EG IS 4/8/13 ADD TOC PER EG IS 4/8/13											
DATE COLLECTED TIME COLLECTED SAMPLE TYPE MATRIX TYPE Bottle Count		GRAB COMP TYPE		REMARKS										
Untreated Commingled TCLP		4-4-13	1515	X	L'CHT	1	X	X	X	X	X			
Untreated Commingled VOA/SVOC 1			1530	X		3						X	X	
Untreated Commingled VOA/SVOC 2			1600	X		3						X	X	ADD TOC
Untreated Commingled VOA/SVOC 3			1630	X		3						X	X	PER EG
Untreated Commingled VOA/SVOC 4			1645	X		3						X	X	IS 4/8/13
Treated Commingled TCLP		4-5-13	1130	X	L'CHT	1	X	X	X	X	X			
Treated Commingled VOA/SVOC 1			1145	X		3						X	X	ADD TOC
Treated Commingled VOA/SVOC 2			1200	X		3						X	X	PER EG
Treated Commingled VOA/SVOC 3			1215	X		3						X	X	IS 4/8/13
Treated Commingled VOA/SVOC 4			1230	X		3						X	X	
Trip Blank		--	--	--	--	3						X	X	

5 TURNAROUND TIME (RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE)
 NORMAL (8-10 Bus. Days) RUSH (5 Bus. Days) Fastrak™ (3 Bus. Days) 1-2 Bus. Days Same Day
 DATE DUE _____

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

The sample temperature will be measured upon receipt at the lab. By initialing this area, you request that the lab notify you, before proceeding with analysis, if the sample temperature is outside of the range of 0.1-6.0°C. By not initialing this area, you allow the lab to proceed with analytical testing regardless of the sample temperature.

7 RELINQUISHED BY: (SIGNATURE) Scott C. Fedak		DATE: 4-5-13 TIME: 1630	6 RECEIVED BY: [Signature]		DATE: 4/5/13 TIME: 1630	8 COMMENTS: (FOR LAB USE ONLY) SAMPLE TEMPERATURE UPON RECEIPT: 15.1°C CHILL PROCESS STARTED PRIOR TO RECEIPT SAMPLE(S) RECEIVED ON ICE PROPER BOTTLES RECEIVED IN GOOD CONDITION BOTTLES FILLED WITH ADEQUATE VOLUME SAMPLES RECEIVED WITHIN HOLD TIME(S) (EXCLUDES TYPICAL FIELD PARAMETERS) DATE AND TIME TAKEN FROM SAMPLE BOTTLE	
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

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

SUBCONTRACT ORDER
PDC Laboratories, Inc.
3041168

MS

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 4/9/13
 Sample Origin (State) MO
 PO# _____
 Total # of Containers 5

RECEIVING LABORATORY:

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

Analysis	Due	Expires	Comments
Sample ID: 3041168-01 Water Sampled:04/04/13 15:15			
TOC*	04/12/13 16:00	05/02/13 15:15	
SW 1311 - TCLP Organics	04/12/13 16:00	05/02/13 15:15	All TCLP tumbled at STL
M8151TCLP	04/12/13 16:00	04/11/13 15:15	All TCLP tumbled at STL
M8081TCLP	04/12/13 16:00	04/11/13 15:15	All TCLP tumbled at STL
Sample ID: 3041168-06 Water Sampled:04/05/13 11:30			
TOC*	04/12/13 16:00	05/03/13 11:30	
SW 1311 - TCLP Organics	04/12/13 16:00	05/03/13 11:30	All TCLP tumbled at STL
M8151TCLP	04/12/13 16:00	04/12/13 11:30	All TCLP tumbled at STL
M8081TCLP	04/12/13 16:00	04/12/13 11:30	All TCLP tumbled at STL

*Received 4/8/13
HE

Turn-Around Time Requested (circle one): NORMAL RUSH Date Results Needed: 4/12/13

<i>Heather Carlant 4/8/13</i>		Sample Temperature Upon Receipt	<input checked="" type="radio"/> Z <input type="radio"/> C
Relinquished By	Date/Time	Received By	Date/Time
		<i>Alan R. Ho</i>	<i>4-10-13 09:30</i>
Relinquished By	Date/Time	Received By	Date/Time
		Sample(s) Received on Ice	<input type="radio"/> Y <input checked="" type="radio"/> N
		Proper Bottles Received in Good Condition	<input type="radio"/> Y <input checked="" type="radio"/> N
		Bottles Filled with Adequate Volume	<input type="radio"/> Y <input checked="" type="radio"/> N
		Samples Received Within Hold Time	<input type="radio"/> Y <input checked="" type="radio"/> N
		Date/Time Taken From Sample Bottle	<input type="radio"/> Y <input checked="" type="radio"/> N



PDC Laboratories, Inc.

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

Date Received: 04/05/13 16:30
Report Date: 04/24/13
Customer #: 277310

Laboratory Results

Sample No: **3041134-01**
Sample Description: **Treated Commingled MSD**

Collect Date: **04/05/13 13:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>General Chemistry - STL</u>					
BOD	26000 mg/L		04/05/13 16:31	DAW	SM 5210B 18Ed 04KS
COD	50000 mg/L		04/08/13 15:25	DAW	SM 5220D 18Ed 04KS
Cyanide	0.010 mg/L		04/11/13 12:00	DWM	SM 4500-CN C E 18Ed*
Oil & Grease - total	< 590 mg/L		04/10/13 08:00	mep	EPA 1664A 04KS
pH	5.7 pH Units	H	04/08/13 12:15	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B 04KS
Solids - total suspended solids (TSS)	1500 mg/L		04/09/13 12:30	DAW	SM 2540D 18Ed 04KS
<u>Nutrients - STL</u>					
Ammonia-N	710 mg/L		04/08/13 12:30	ACV	SM(18) 4500 NH3 F 04KS
<u>Pesticides - PIA</u>					
4,4'-DDD	< 1.0 ug/L		04/16/13 01:04	ELS	EPA 608 AR,IL,IA,KS, WI
4,4'-DDE	< 1.0 ug/L		04/16/13 01:04	ELS	EPA 608 AR,IL,IA,KS, WI
4,4'-DDT	< 1.0 ug/L		04/16/13 01:04	ELS	EPA 608 AR,IL,IA,KS, WI
Aldrin	< 0.50 ug/L		04/16/13 01:04	ELS	EPA 608 AR,IL,IA,KS, WI
Alpha-BHC	< 0.50 ug/L		04/16/13 01:04	ELS	EPA 608 AR,IL,IA,KS, WI
Aroclor 1016	< 5.0 ug/L		04/16/13 01:04	ELS	EPA 608 AR,IL,IA,KS, WI
Aroclor 1221	< 10 ug/L		04/16/13 01:04	ELS	EPA 608 AR,IL,IA,KS, WI
Aroclor 1232	< 5.0 ug/L		04/16/13 01:04	ELS	EPA 608 AR,IL,IA,KS, WI
Aroclor 1242	< 5.0 ug/L		04/16/13 01:04	ELS	EPA 608 AR,IL,IA,KS, WI
Aroclor 1248	< 5.0 ug/L		04/16/13 01:04	ELS	EPA 608 AR,IL,IA,KS, WI
Aroclor 1254	< 10 ug/L		04/16/13 01:04	ELS	EPA 608 AR,IL,IA,KS, WI
Aroclor 1260	< 10 ug/L		04/16/13 01:04	ELS	EPA 608 AR,IL,IA,KS, WI
Aroclors - Total	< 50 ug/L		04/16/13 01:04	ELS	EPA 608 AR,IL,IA,KS, WI
Beta-BHC	< 0.50 ug/L		04/16/13 01:04	ELS	EPA 608 AR,IL,IA,KS, WI

X



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

Date Received: 04/05/13 16:30
Report Date: 04/24/13
Customer #: 277310

Laboratory Results

Sample No: **3041134-01**
Sample Description: **Treated Commingled MSD**

Collect Date: **04/05/13 13:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
<u>Pesticides - PIA</u>						X
Chlordane (technical)	< 5.0 ug/L		04/16/13 01:04	ELS	EPA 608	AR,IL,IA,KS, WI
Delta-BHC	< 0.50 ug/L		04/16/13 01:04	ELS	EPA 608	AR,IL,IA,KS, WI
Dieldrin	< 1.0 ug/L		04/16/13 01:04	ELS	EPA 608	AR,IL,IA,KS, WI
Endosulfan I	< 0.50 ug/L		04/16/13 01:04	ELS	EPA 608	AR,IL,IA,KS, WI
Endosulfan II	< 1.0 ug/L		04/16/13 01:04	ELS	EPA 608	AR,IL,IA,KS, WI
Endosulfan sulfate	< 1.0 ug/L		04/16/13 01:04	ELS	EPA 608	AR,IL,IA,KS, WI
Endrin	< 1.0 ug/L		04/16/13 01:04	ELS	EPA 608	AR,IL,IA,KS, WI
Endrin aldehyde	< 1.0 ug/L		04/16/13 01:04	ELS	EPA 608	AR,IL,IA,KS, WI
gamma-BHC (Lindane)	< 0.50 ug/L		04/16/13 01:04	ELS	EPA 608	AR,IL,IA,KS, WI
Heptachlor	< 0.50 ug/L		04/16/13 01:04	ELS	EPA 608	AR,IL,IA,KS, WI
Heptachlor epoxide	< 0.50 ug/L		04/16/13 01:04	ELS	EPA 608	AR,IL,IA,KS, WI
Methoxychlor	< 5.0 ug/L		04/16/13 01:04	ELS	EPA 608	AR,IL,IA, WI
Toxaphene	< 5.0 ug/L		04/16/13 01:04	ELS	EPA 608	AR,IL,IA,KS, WI
<u>Semivolatile Organics - PIA</u>						
N-Nitrosodimethylamine	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625	AR,IL,IA,KS, WI
Pyridine	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625*	
Phenol	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625	AR,IL,IA,KS, WI
Bis(2-chloroethyl) ether	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625	AR,IL,IA,KS, WI
2-Chlorophenol	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625	AR,IL,IA,KS, WI
1,3-Dichlorobenzene	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625	AR,IL,IA, WI
1,4-Dichlorobenzene	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625	AR,IL,IA, WI
1,2-Dichlorobenzene	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625	AR,IL,IA, WI
2-Methylphenol	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625*	
Bis(2-chloroisopropyl) ether	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625	AR,IL,IA,KS, WI



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

Date Received: 04/05/13 16:30
Report Date: 04/24/13
Customer #: 277310

Laboratory Results

Sample No: **3041134-01**
Sample Description: **Treated Commingled MSD**

Collect Date: **04/05/13 13:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - PIA						
N-Nitrosodi-n-propylamine	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625	AR,IL,IA,KS, WI
3- & 4-Methylphenol	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625*	
Hexachloroethane	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625	AR,IL,IA,KS, WI
Nitrobenzene	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625	AR,IL,IA,KS, WI
Isophorone	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625	AR,IL,IA,KS, WI
2-Nitrophenol	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625	AR,IL,IA,KS, WI
2,4-Dimethylphenol	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625	AR,IL,IA,KS, WI
Bis(2-chloroethoxy) methane	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625	AR,IL,IA,KS, WI
2,4-Dichlorophenol	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625	AR,IL,IA,KS, WI
1,2,4-Trichlorobenzene	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625	AR,IL,IA,KS, WI
Naphthalene	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625	AR,IL,IA,KS, WI
4-Chloroaniline	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625*	
Hexachlorobutadiene	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625	AR,IL,IA,KS, WI
4-Chloro-3-methylphenol	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625	AR,IL,IA,KS, WI
2-Methylnaphthalene	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625*	
Hexachlorocyclopentadiene	< 5000 ug/L		04/12/13 21:24	PSB	EPA 625	AR,IL,IA,KS, WI
2,4,6-Trichlorophenol	< 5000 ug/L		04/12/13 21:24	PSB	EPA 625	AR,IL,IA,KS, WI
2,4,5-Trichlorophenol	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625*	
Surrogate: 2-Fluorobiphenyl	66 % 25-129		04/12/13 21:24	PSB	EPA 625	
2-Chloronaphthalene	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625	AR,IL,IA,KS, WI
2-Nitroaniline	< 5000 ug/L		04/12/13 21:24	PSB	EPA 625*	
Dimethyl phthalate	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625	AR,IL,IA,KS, WI
2,6-Dinitrotoluene	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625	AR,IL,IA,KS, WI
Acenaphthylene	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625	AR,IL,IA,KS, WI



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Laboratory Results

Sample No: **3041134-01**
Sample Description: **Treated Commingled MSD**

Collect Date: **04/05/13 13:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - PIA					
Acenaphthene	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625 AR,IL,IA,KS, WI
2,4-Dinitrophenol	< 5000 ug/L		04/12/13 21:24	PSB	EPA 625 AR,IL,IA,KS, WI
4-Nitrophenol	< 5000 ug/L		04/12/13 21:24	PSB	EPA 625 AR,IL,IA,KS, WI
2,4-Dinitrotoluene	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625 AR,IL,IA,KS, WI
Diethyl phthalate	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625 AR,IL,IA,KS, WI
Fluorene	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625 AR,IL,IA,KS, WI
4-Chlorophenylphenyl ether	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625 AR,IL,IA,KS, WI
4-Nitroaniline	< 5000 ug/L		04/12/13 21:24	PSB	EPA 625*
4,6-Dinitro-2-methylphenol	< 5000 ug/L		04/12/13 21:24	PSB	EPA 625 AR,IL,IA,KS, WI
N-Nitrosodiphenylamine	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625 AR,IL,IA,KS, WI
1,2-Diphenylhydrazine	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625 AR,IL
4-Bromophenylphenyl ether	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625 AR,IL,IA,KS, WI
Hexachlorobenzene	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625 AR,IL,IA,KS, WI
Pentachlorophenol	< 5000 ug/L		04/12/13 21:24	PSB	EPA 625 AR,IL,IA,KS, WI
Phenanthrene	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625 AR,IL,IA,KS, WI
Anthracene	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625 AR,IL,IA,KS, WI
Di-n-butyl phthalate	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625 AR,IL,IA,KS, WI
Fluoranthene	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625 AR,IL,IA,KS, WI
Benzidine	< 8000 ug/L		04/12/13 21:24	PSB	EPA 625 AR,IL,IA,KS, WI
Pyrene	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625 AR,IL,IA,KS, WI
Butyl benzyl phthalate	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625 AR,IL,IA,KS, WI
Benzo(a)anthracene	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625 AR,IL,IA,KS, WI



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Date Received: 04/05/13 16:30
Report Date: 04/24/13
Customer #: 277310

Laboratory Results

Sample No: **3041134-01**
Sample Description: **Treated Commingled MSD**

Collect Date: **04/05/13 13:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - PIA					
3,3'-Dichlorobenzidine	< 2000 ug/L		04/12/13 21:24	PSB	EPA 625 AR,IL,IA,KS, WI
Chrysene	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625 AR,IL,IA,KS, WI
Bis(2-ethylhexyl) phthalate	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625 AR,IL,IA,KS, WI
Di-n-octyl phthalate	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625 AR,IL,IA,KS, WI
Benzo(b)fluoranthene	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625 AR,IL,IA,KS, WI
Benzo(k)fluoranthene	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625 AR,IL,IA,KS, WI
Dioxin Screen	< 5000 ug/L		04/12/13 21:24	PSB	EPA 625*
Benzo(a)pyrene	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625 AR,IL,IA,KS, WI
Indeno(1,2,3-cd)pyrene	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625 AR,IL,IA,KS, WI
Dibenzo(a,h)anthracene	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625 AR,IL,IA,KS, WI
Benzo(g,h,i)perylene	< 1000 ug/L		04/12/13 21:24	PSB	EPA 625 AR,IL,IA,KS, WI
Soluble General Chemistry - STL					
Cyanide	0.011 mg/L		04/11/13 12:00	DWM	SM 4500-CN C E 18Ed*
Soluble Metals - STL					
Mercury	0.042 mg/L		04/10/13 11:33	WPS	EPA 245.1 R3.0 / SW 7470A 04KS
Antimony	0.11 mg/L		04/10/13 15:00	WPS	EPA 200.7 R4.4 04KS
Copper	0.017 mg/L		04/10/13 15:00	WPS	EPA 200.7 R4.4 04KS
Silver	< 0.0040 mg/L		04/10/13 15:00	WPS	EPA 200.7 R4.4 04KS
Arsenic	0.47 mg/L		04/10/13 15:00	WPS	EPA 200.7 R4.4 04KS
Beryllium	< 0.0020 mg/L		04/10/13 15:00	WPS	EPA 200.7 R4.4 04KS
Cadmium	0.020 mg/L		04/10/13 15:00	WPS	EPA 200.7 R4.4 04KS
Chromium	0.21 mg/L		04/10/13 15:00	WPS	EPA 200.7 R4.4 04KS
Iron	660 mg/L	B2	04/16/13 13:11	WPS	EPA 200.7 R4.4 04KS
Lead	0.16 mg/L		04/10/13 15:00	WPS	EPA 200.7 R4.4 04KS
Nickel	0.11 mg/L		04/10/13 15:00	WPS	EPA 200.7 R4.4 04KS
Selenium	0.090 mg/L		04/10/13 15:00	WPS	EPA 200.7 R4.4 04KS
Thallium	0.088 mg/L		04/10/13 15:00	WPS	EPA 200.7 R4.4 04KS



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Laboratory Results

Sample No: **3041134-01**

Collect Date: **04/05/13 13:30**

Sample Description: **Treated Commingled MSD**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Soluble Metals - STL</u>					
Zinc	18 mg/L		04/10/13 15:00	WPS	EPA 200.7 R4.4 04KS
<u>Total Metals - STL</u>					
Mercury	0.042 mg/L		04/10/13 11:33	WPS	EPA 245.1 R3.0 / SW 7470A 04KS
Antimony	0.068 mg/L		04/10/13 15:04	WPS	EPA 200.7 R4.4 04KS
Arsenic	0.52 mg/L		04/10/13 15:04	WPS	EPA 200.7 R4.4 04KS
Beryllium	0.0020 mg/L		04/10/13 15:04	WPS	EPA 200.7 R4.4 04KS
Cadmium	0.028 mg/L		04/10/13 15:04	WPS	EPA 200.7 R4.4 04KS
Chromium	0.24 mg/L		04/10/13 15:04	WPS	EPA 200.7 R4.4 04KS
Copper	0.021 mg/L		04/10/13 15:04	WPS	EPA 200.7 R4.4 04KS
Iron	890 mg/L		04/16/13 13:16	WPS	EPA 200.7 R4.4 04KS
Lead	0.25 mg/L		04/10/13 15:04	WPS	EPA 200.7 R4.4 04KS
Nickel	0.12 mg/L		04/10/13 15:04	WPS	EPA 200.7 R4.4 04KS
Selenium	0.050 mg/L		04/10/13 15:04	WPS	EPA 200.7 R4.4 04KS
Silver	< 0.0040 mg/L		04/10/13 15:04	WPS	EPA 200.7 R4.4 04KS
Thallium	0.058 mg/L		04/10/13 15:04	WPS	EPA 200.7 R4.4 04KS
Zinc	19 mg/L		04/10/13 15:04	WPS	EPA 200.7 R4.4 04KS
<u>Volatile Organics - PIA</u>					
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 50 ug/L		04/16/13 18:24	JJI	SW 8260B*
1,1-Dichloropropene	< 50 ug/L		04/16/13 18:24	JJI	SW 8260B IL,IA,KS,WI
1,2,3-Trichlorobenzene	< 50 ug/L		04/16/13 18:24	JJI	SW 8260B IL,KS,WI
1,1,1-Trichloroethane	< 50 ug/L		04/16/13 18:24	JJI	EPA 624 AR,IL,KS,IA,WI
1,2,3-Trichloropropane	430 ug/L		04/16/13 18:24	JJI	SW 8260B IL,IA,KS,WI
1,1,2,2-Tetrachloroethane	< 50 ug/L		04/16/13 18:24	JJI	EPA 624 AR,IL,KS,IA,WI
1,1,2-Trichloroethane	< 50 ug/L		04/16/13 18:24	JJI	EPA 624 AR,IL,KS,IA,WI
1,3-Dichloropropane	< 50 ug/L		04/16/13 18:24	JJI	SW 8260B IL,IA,KS,WI
1,4-Dioxane	6400 ug/L		04/16/13 18:24	JJI	SW 8260B IL
2,2-Dichloropropane	< 50 ug/L		04/16/13 18:24	JJI	SW 8260B IL,KS,WI
1,1-Dichloroethane	< 50 ug/L		04/16/13 18:24	JJI	EPA 624 AR,IL,KS,IA,WI
2-Chlorotoluene	< 50 ug/L		04/16/13 18:24	JJI	SW 8260B IL,KS,WI



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Date Received: 04/05/13 16:30
Report Date: 04/24/13
Customer #: 277310

Laboratory Results

Sample No: **3041134-01**

Collect Date: **04/05/13 13:30**

Sample Description: **Treated Commingled MSD**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - PIA					
1,1-Dichloroethene	< 50 ug/L		04/16/13 18:24	JJI	EPA 624 AR,IL,KS,IA, WI
2-Nitropropane	< 50 ug/L		04/16/13 18:24	JJI	SW 8260B*
3-Chloroprene	< 50 ug/L		04/16/13 18:24	JJI	SW 8260B*
4-Chlorotoluene	< 50 ug/L		04/16/13 18:24	JJI	SW 8260B IL,KS,WI
Methacrylonitrile	< 50 ug/L		04/16/13 18:24	JJI	SW 8260B IL
Bromobenzene	< 50 ug/L		04/16/13 18:24	JJI	SW 8260B IL,KS,WI
Bromochloromethane	< 50 ug/L		04/16/13 18:24	JJI	SW 8260B IL,KS,WI
Chloroprene	< 50 ug/L		04/16/13 18:24	JJI	SW 8260B IL,KS,WI
Cyclohexane	< 50 ug/L		04/16/13 18:24	JJI	SW 8260B*
Cyclohexanone	540 ug/L		04/16/13 18:24	JJI	SW 8260B*
Dibromomethane	< 50 ug/L		04/16/13 18:24	JJI	SW 8260B IL,IA,KS,WI
1,2-Dichlorobenzene	< 50 ug/L		04/16/13 18:24	JJI	EPA 624 AR,IL,KS,IA, WI
Ethyl ether	< 100 ug/L		04/16/13 18:24	JJI	SW 8260B*
1,2-Dichloroethane	< 50 ug/L		04/16/13 18:24	JJI	EPA 624 AR,IL,KS,IA, WI
Ethyl acetate	1400 ug/L		04/16/13 18:24	JJI	SW 8260B IL
Ethyl methacrylate	< 50 ug/L		04/16/13 18:24	JJI	SW 8260B*
Hexachlorobutadiene	< 50 ug/L		04/16/13 18:24	JJI	SW 8260B IL
Hexane	< 50 ug/L		04/16/13 18:24	JJI	SW 8260B*
1,2-Dichloropropane	< 50 ug/L		04/16/13 18:24	JJI	EPA 624 AR,IL,KS,IA, WI
Iodomethane	< 50 ug/L		04/16/13 18:24	JJI	SW 8260B IL
Isobutanol	< 10000 ug/L		04/16/13 18:24	JJI	SW 8260B*
Isopropanol	58000 ug/L		04/16/13 18:24	JJI	SW 8260B IL
Isopropylbenzene	< 50 ug/L		04/16/13 18:24	JJI	SW 8260B IL
Methyl methacrylate	< 50 ug/L		04/16/13 18:24	JJI	SW 8260B*
n-Butylbenzene	< 50 ug/L		04/16/13 18:24	JJI	SW 8260B IL,KS,WI
n-Propylbenzene	< 50 ug/L		04/16/13 18:24	JJI	SW 8260B IL,KS,WI
1,3-Dichlorobenzene	< 50 ug/L		04/16/13 18:24	JJI	EPA 624 AR,IL,KS,IA, WI
Naphthalene	130 ug/L		04/16/13 18:24	JJI	SW 8260B IL,KS,WI
p-Isopropyl toluene	< 50 ug/L		04/16/13 18:24	JJI	SW 8260B IL,KS,WI
Propionitrile	< 100 ug/L		04/16/13 18:24	JJI	SW 8260B*
Propyl ether	< 500 ug/L		04/16/13 18:24	JJI	SW 8260B*



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Laboratory Results

Sample No: **3041134-01**
Sample Description: **Treated Commingled MSD**

Collect Date: **04/05/13 13:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - PIA					
1,4-Dichlorobenzene	< 50 ug/L		04/16/13 18:24	JJI	EPA 624 AR,IL,KS,IA, WI
sec-Butanol	32000 ug/L		04/16/13 18:24	JJI	SW 8260B*
sec-Butylbenzene	< 50 ug/L		04/16/13 18:24	JJI	SW 8260B IL,KS,WI
tert-Butylbenzene	< 50 ug/L		04/16/13 18:24	JJI	SW 8260B IL,KS,WI
trans-1,4-Dichloro-2-butene	< 50 ug/L		04/16/13 18:24	JJI	SW 8260B IL,IA,KS,WI
2-Chloroethylvinyl ether	< 50 ug/L		04/16/13 18:24	JJI	EPA 624 AR,IL,KS,IA
Xylenes- Total	< 150 ug/L		04/16/13 18:24	JJI	EPA 624 AR,IL
Bis(chloromethyl) ether	< 100000 ug/L		04/16/13 18:24	JJI	SW 8260B*
Acrolein	< 500 ug/L		04/16/13 18:24	JJI	EPA 624 AR,IL,KS,IA, WI
Acrylonitrile	< 500 ug/L		04/16/13 18:24	JJI	EPA 624 AR,IL,KS,IA, WI
Benzene	< 50 ug/L		04/16/13 18:24	JJI	EPA 624 AR,IL,KS,IA, WI
Bromodichloromethane	< 50 ug/L		04/16/13 18:24	JJI	EPA 624 AR,IL,KS,IA, WI
Bromoform	< 50 ug/L		04/16/13 18:24	JJI	EPA 624 AR,IL,KS,IA, WI
Bromomethane	< 50 ug/L		04/16/13 18:24	JJI	EPA 624 AR,IL,KS,IA, WI
Carbon tetrachloride	< 50 ug/L		04/16/13 18:24	JJI	EPA 624 AR,IL,KS,IA, WI
cis-1,3-Dichloropropene	< 50 ug/L		04/16/13 18:24	JJI	EPA 624 AR,IL,KS,IA, WI
Chlorobenzene	< 50 ug/L		04/16/13 18:24	JJI	EPA 624 AR,IL,KS,IA, WI
Chloroethane	< 50 ug/L		04/16/13 18:24	JJI	EPA 624 AR,IL,KS,IA, WI
Chloroform	< 50 ug/L		04/16/13 18:24	JJI	EPA 624 AR,IL,KS,IA, WI
Chloromethane	< 50 ug/L		04/16/13 18:24	JJI	EPA 624 AR,IL,KS,IA, WI
Dibromochloromethane	< 50 ug/L		04/16/13 18:24	JJI	EPA 624 AR,IL,KS,IA, WI
trans-1,2-Dichloroethene	< 200 ug/L		04/16/13 18:24	JJI	EPA 624 AR,IL,KS,IA, WI
trans-1,3-Dichloropropene	< 50 ug/L		04/16/13 18:24	JJI	EPA 624 AR,IL,KS,IA, WI
Ethylbenzene	< 50 ug/L		04/16/13 18:24	JJI	EPA 624 AR,IL,KS,IA, WI



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Date Received: 04/05/13 16:30
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Laboratory Results

Sample No: **3041134-01**
Sample Description: **Treated Commingled MSD**

Collect Date: **04/05/13 13:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - PIA					
Methylene chloride	< 50 ug/L		04/16/13 18:24	JJI	EPA 624 AR,IL,KS,IA, WI
Tetrachloroethene	< 50 ug/L		04/16/13 18:24	JJI	EPA 624 AR,IL,KS,IA, WI
Toluene	< 50 ug/L		04/16/13 18:24	JJI	EPA 624 AR,IL,KS,IA, WI
Trichloroethene	< 50 ug/L		04/16/13 18:24	JJI	EPA 624 AR,IL,KS,IA, WI
Trichlorofluoromethane	< 50 ug/L		04/16/13 18:24	JJI	EPA 624 AR,IL,KS,IA, WI
Vinyl chloride	< 50 ug/L		04/16/13 18:24	JJI	EPA 624 AR,IL,KS,IA, WI
Surrogate: 1,2-Dichloroethane-d4	88 % 68-124		04/16/13 18:24	JJI	EPA 624
Surrogate: 1,2-Dichloroethane-d4	88 % 68-124		04/16/13 18:24	JJI	SW 8260B
Surrogate: Toluene-d8	95 % 74-123		04/16/13 18:24	JJI	EPA 624
Surrogate: Toluene-d8	95 % 74-123		04/16/13 18:24	JJI	SW 8260B
Surrogate: Bromofluorobenzene	108 % 81-129		04/16/13 18:24	JJI	EPA 624
Surrogate: Bromofluorobenzene	108 % 81-129		04/16/13 18:24	JJI	SW 8260B

Sample No: **3041134-01RE1**
Sample Description: **Treated Commingled MSD**

Collect Date: **04/05/13 13:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - PIA					
1-Propanol	150000 ug/L		04/17/13 14:53	JJI	SW 8260B IL
Tetrahydrofuran	15000 ug/L		04/17/13 14:53	JJI	SW 8260B* WI
Surrogate: 1,2-Dichloroethane-d4	204 % 68-124	Xa	04/17/13 14:53	JJI	SW 8260B
Surrogate: Toluene-d8	220 % 74-123	Xa	04/17/13 14:53	JJI	SW 8260B
Surrogate: Bromofluorobenzene	213 % 81-129	Xa	04/17/13 14:53	JJI	SW 8260B



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

Date Received: 04/05/13 16:30
Report Date: 04/24/13
Customer #: 277310

Laboratory Results

General Chemistry - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305309 - 04-No Prep WC								
Blank (B305309-BLK1)			Prepared & Analyzed: 04/05/13					
BOD	< 6.0	mg/L						
LCS (B305309-BS1)			Prepared & Analyzed: 04/05/13					
BOD	171	mg/L	198.0		86	34.6-115.4		
Duplicate (B305309-DUP1)			Source: 3040893-02 Prepared & Analyzed: 04/05/13					
BOD	43.6	mg/L		43.4			0.5	20
Duplicate (B305309-DUP2)			Source: 3041464-01 Prepared & Analyzed: 04/05/13					
BOD	6.80	mg/L		83.9			170	20
Batch B305337 - 04-No Prep WC								
Blank (B305337-BLK1)			Prepared & Analyzed: 04/11/13					
Cyanide	< 0.0050	mg/L						
LCS (B305337-BS1)			Prepared & Analyzed: 04/11/13					
Cyanide	0.0910	mg/L	0.1000		91	85-115		
Matrix Spike (B305337-MS1)			Source: 3040947-02 Prepared & Analyzed: 04/11/13					
Cyanide	0.0970	mg/L	0.1000	0.00400	93	75-125		
Matrix Spike Dup (B305337-MSD1)			Source: 3040947-02 Prepared & Analyzed: 04/11/13					
Cyanide	0.101	mg/L	0.1000	0.00400	97	75-125	4	20
Batch B305394 - 04-No Prep WC								
Blank (B305394-BLK1)			Prepared & Analyzed: 04/08/13					
COD	< 100	mg/L						
LCS (B305394-BS1)			Prepared & Analyzed: 04/08/13					
COD	492	mg/L	500.0		98	95-105		
Duplicate (B305394-DUP1)			Source: 3041134-01 Prepared & Analyzed: 04/08/13					
COD	49400	mg/L		49700			0.4	20
Batch B305404 - 04-No Prep WC								
LCS (B305404-BS1)			Prepared & Analyzed: 04/08/13					
pH	7.00	pH Units	7.000		100	0-200		
Batch B305452 - 04-No Prep WC								
Blank (B305452-BLK1)			Prepared & Analyzed: 04/09/13					
Solids - total suspended solids (TSS)	< 2.0	mg/L						
LCS (B305452-BS1)			Prepared & Analyzed: 04/09/13					
Solids - total suspended solids (TSS)	95.0	mg/L	100.0		95	82.9-110		



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Customer #: 277310

Laboratory Results

General Chemistry - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305452 - 04-No Prep WC								
Duplicate (B305452-DUP1)			Source: 3041119-01		Prepared & Analyzed: 04/09/13			
Solids - total suspended solids (TSS)	1540	mg/L		1540			0	5
Duplicate (B305452-DUP2)			Source: 3041121-01		Prepared & Analyzed: 04/09/13			
Solids - total suspended solids (TSS)	1500	mg/L		1500			0	5
Batch B305466 - 04-No Prep WC								
Blank (B305466-BLK1)			Prepared & Analyzed: 04/10/13					
Oil & Grease - total	< 5.0	mg/L						
LCS (B305466-BS1)			Prepared & Analyzed: 04/10/13					
Oil & Grease - total	36.1	mg/L	40.00		90	78-114		
LCS Dup (B305466-BSD1)			Prepared & Analyzed: 04/10/13					
Oil & Grease - total	39.2	mg/L	40.00		98	78-114	8	18

Nutrients - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305408 - 04-No Prep WC								
Blank (B305408-BLK1)			Prepared & Analyzed: 04/08/13					
Ammonia-N	< 0.010	mg/L						
LCS (B305408-BS1)			Prepared & Analyzed: 04/08/13					
Ammonia-N	9.98	mg/L	10.00		100	80-120		
Matrix Spike (B305408-MS1)			Prepared & Analyzed: 04/08/13					
Ammonia-N	16.8	mg/L	10.00	7.05	97	80-120		
Matrix Spike Dup (B305408-MSD1)			Prepared & Analyzed: 04/08/13					
Ammonia-N	16.7	mg/L	10.00	7.05	97	80-120	0.6	20

Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305443 - 04 EPA 200.2 R2.8								
Blank (B305443-BLK1)			Prepared: 04/09/13 Analyzed: 04/10/13					
Antimony	< 0.010	mg/L						
Arsenic	< 0.015	mg/L						
Beryllium	< 0.0010	mg/L						



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Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305443 - 04 EPA 200.2 R2.8								
Blank (B305443-BLK1)			Prepared: 04/09/13 Analyzed: 04/10/13					
Cadmium	< 0.0020	mg/L						
Chromium	< 0.0020	mg/L						
Copper	< 0.0020	mg/L						
Iron	< 0.010	mg/L						
Lead	< 0.010	mg/L						
Nickel	< 0.0020	mg/L						
Selenium	< 0.010	mg/L						
Silver	< 0.0020	mg/L						
Thallium	< 0.020	mg/L						
Zinc	< 0.010	mg/L						
Blank (B305443-BLK2)			Prepared: 04/09/13 Analyzed: 04/10/13					
Antimony	< 0.010	mg/L						
Arsenic	< 0.015	mg/L						
Beryllium	< 0.0010	mg/L						
Cadmium	< 0.0020	mg/L						
Chromium	< 0.0020	mg/L						
Copper	< 0.0020	mg/L						
Lead	< 0.010	mg/L						
Nickel	< 0.0020	mg/L						
Selenium	< 0.010	mg/L						
Silver	< 0.0020	mg/L						
Thallium	< 0.020	mg/L						
Zinc	< 0.010	mg/L						
Blank (B305443-BLK3)			Prepared: 04/09/13 Analyzed: 04/10/13					
Antimony	< 0.010	mg/L						
Arsenic	< 0.015	mg/L						
Beryllium	< 0.0010	mg/L						
Cadmium	< 0.0020	mg/L						
Chromium	< 0.0020	mg/L						
Copper	< 0.0020	mg/L						
Iron	B2 0.0210	mg/L						
Lead	< 0.010	mg/L						
Nickel	< 0.0020	mg/L						
Selenium	< 0.010	mg/L						
Silver	< 0.0020	mg/L						
Thallium	< 0.020	mg/L						
Zinc	< 0.010	mg/L						
LCS (B305443-BS1)			Prepared: 04/09/13 Analyzed: 04/10/13					



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Laboratory Results

Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B305443 - 04 EPA 200.2 R2.8

LCS (B305443-BS1)

Prepared: 04/09/13 Analyzed: 04/10/13

Antimony	0.0938	mg/L	0.1000		94	85-115		
Arsenic	0.100	mg/L	0.1000		100	85-115		
Beryllium	0.115	mg/L	0.1000		115	85-115		
Cadmium	0.0984	mg/L	0.1000		98	85-115		
Chromium	0.102	mg/L	0.1000		102	85-115		
Copper	0.108	mg/L	0.1000		108	85-115		
Iron	0.0989	mg/L	0.1000		99	85-115		
Lead	0.104	mg/L	0.1000		104	85-115		
Nickel	0.104	mg/L	0.1000		104	85-115		
Selenium	0.0877	mg/L	0.1000		88	85-115		
Silver	0.0258	mg/L	0.02500		103	85-115		
Thallium	0.104	mg/L	0.1000		104	85-115		
Zinc	0.107	mg/L	0.1000		107	85-115		

LCS (B305443-BS2)

Prepared: 04/09/13 Analyzed: 04/10/13

Antimony	0.107	mg/L	0.1000		107	85-115		
Arsenic	0.0106	mg/L				85-115		
Beryllium	< 0.0010	mg/L				85-115		
Cadmium	< 0.0020	mg/L				85-115		
Chromium	< 0.0020	mg/L				85-115		
Copper	< 0.0020	mg/L				85-115		
Iron	< 0.010	mg/L				85-115		
Lead	< 0.010	mg/L				85-115		
Nickel	< 0.0020	mg/L				85-115		
Selenium	0.00552	mg/L				85-115		
Silver	< 0.0020	mg/L				85-115		
Thallium	0.0119	mg/L				85-115		
Zinc	< 0.010	mg/L				85-115		

Matrix Spike (B305443-MS1)

Source: 3041005-01

Prepared: 04/09/13 Analyzed: 04/10/13

Antimony	Q3	0.147	mg/L	0.1000	0.0142	133	70-130	
Arsenic		0.130	mg/L	0.1000	ND	130	70-130	
Beryllium	Q3	0.137	mg/L	0.1000	ND	137	70-130	
Cadmium		0.111	mg/L	0.1000	ND	111	70-130	
Chromium		0.418	mg/L	0.1000	0.306	112	70-130	
Copper		0.417	mg/L	0.1000	0.315	103	70-130	
Iron		0.186	mg/L	0.1000	0.0754	110	70-130	
Lead		0.109	mg/L	0.1000	0.00849	101	70-130	
Nickel		0.730	mg/L	0.1000	0.616	115	70-130	
Selenium	Q3	0.177	mg/L	0.1000	0.0222	154	70-130	



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Laboratory Results

Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305443 - 04 EPA 200.2 R2.8								
Matrix Spike (B305443-MS1)		Source: 3041005-01		Prepared: 04/09/13 Analyzed: 04/10/13				
Silver	0.0278	mg/L	0.02500	ND	111	70-130		
Thallium	0.0754	mg/L	0.1000	ND	75	70-130		
Zinc	0.193	mg/L	0.1000	0.0676	125	70-130		
Matrix Spike Dup (B305443-MSD1)		Source: 3041005-01		Prepared: 04/09/13 Analyzed: 04/10/13				
Antimony	Q3 0.118	mg/L	0.1000	0.0142	104	70-130	22	20
Arsenic	0.123	mg/L	0.1000	ND	123	70-130	5	20
Beryllium	Q3 0.137	mg/L	0.1000	ND	137	70-130	0.1	20
Cadmium	0.111	mg/L	0.1000	ND	111	70-130	0.6	20
Chromium	0.419	mg/L	0.1000	0.306	114	70-130	0.4	20
Copper	0.417	mg/L	0.1000	0.315	102	70-130	0.09	20
Iron	0.196	mg/L	0.1000	0.0754	121	70-130	6	20
Lead	0.110	mg/L	0.1000	0.00849	101	70-130	0.5	20
Nickel	0.728	mg/L	0.1000	0.616	112	70-130	0.4	20
Selenium	Q3 0.175	mg/L	0.1000	0.0222	153	70-130	0.8	20
Silver	0.0284	mg/L	0.02500	ND	114	70-130	2	20
Thallium	0.0774	mg/L	0.1000	ND	77	70-130	3	20
Zinc	0.193	mg/L	0.1000	0.0676	125	70-130	0.01	20
Batch B305517 - 04-SW 7470A/245.1								
Blank (B305517-BLK1)		Prepared & Analyzed: 04/10/13						
Mercury	< 0.0002	mg/L						
Blank (B305517-BLK2)		Prepared & Analyzed: 04/10/13						
Mercury	< 0.0002	mg/L						
Blank (B305517-BLK3)		Prepared & Analyzed: 04/10/13						
Mercury	< 0.0002	mg/L						
LCS (B305517-BS1)		Prepared & Analyzed: 04/10/13						
Mercury	0.00220	mg/L	0.002000		110	85-115		
Matrix Spike (B305517-MS1)		Source: 3040660-01		Prepared & Analyzed: 04/10/13				
Mercury	0.00220	mg/L	0.002000	ND	110	70-130		
Matrix Spike (B305517-MS2)		Source: 3041168-01		Prepared & Analyzed: 04/10/13				
Mercury	0.00220	mg/L	0.002000	ND	110	70-130		
Matrix Spike (B305517-MS3)		Source: 3041168-06		Prepared & Analyzed: 04/10/13				
Mercury	0.00230	mg/L	0.002000	ND	115	70-130		
Matrix Spike Dup (B305517-MSD1)		Source: 3040660-01		Prepared & Analyzed: 04/10/13				
Mercury	0.00230	mg/L	0.002000	ND	115	70-130	4	20



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Laboratory Results

Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305517 - 04-SW 7470A/245.1								
Matrix Spike Dup (B305517-MSD2)			Source: 3041168-01		Prepared & Analyzed: 04/10/13			
Mercury	0.00220	mg/L	0.002000	ND	110	70-130	0	20

Soluble Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305443 - 04 EPA 200.2 R2.8								
Blank (B305443-BLK1)			Prepared: 04/09/13 Analyzed: 04/10/13					
Silver	< 0.0020	mg/L						
Antimony	< 0.010	mg/L						
Copper	< 0.0020	mg/L						
Beryllium	< 0.0010	mg/L						
Cadmium	< 0.0020	mg/L						
Chromium	< 0.0020	mg/L						
Iron	< 0.010	mg/L						
Lead	< 0.010	mg/L						
Nickel	< 0.0020	mg/L						
Selenium	< 0.010	mg/L						
Thallium	< 0.020	mg/L						
Zinc	< 0.010	mg/L						
Blank (B305443-BLK2)			Prepared: 04/09/13 Analyzed: 04/10/13					
Copper	< 0.0020	mg/L						
Silver	< 0.0020	mg/L						
Antimony	< 0.010	mg/L						
Arsenic	< 0.015	mg/L						
Beryllium	< 0.0010	mg/L						
Cadmium	< 0.0020	mg/L						
Chromium	< 0.0020	mg/L						
Iron	B1 0.0113	mg/L						
Lead	< 0.010	mg/L						
Nickel	< 0.0020	mg/L						
Selenium	< 0.010	mg/L						
Thallium	< 0.020	mg/L						
Zinc	< 0.010	mg/L						
Blank (B305443-BLK3)			Prepared: 04/09/13 Analyzed: 04/10/13					
Copper	< 0.0020	mg/L						
Antimony	< 0.010	mg/L						
Silver	< 0.0020	mg/L						



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Laboratory Results

Soluble Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305443 - 04 EPA 200.2 R2.8								
Blank (B305443-BLK3)			Prepared: 04/09/13 Analyzed: 04/10/13					
Beryllium	< 0.0010	mg/L						
Cadmium	< 0.0020	mg/L						
Chromium	< 0.0020	mg/L						
Iron	0.0210	mg/L						
Lead	< 0.010	mg/L						
Nickel	< 0.0020	mg/L						
Selenium	< 0.010	mg/L						
Thallium	< 0.020	mg/L						
Zinc	< 0.010	mg/L						
LCS (B305443-BS1)			Prepared: 04/09/13 Analyzed: 04/10/13					
Copper	0.108	mg/L	0.1000		108	85-115		
Silver	0.0258	mg/L	0.02500		103	85-115		
Antimony	0.0938	mg/L	0.1000		94	85-115		
Arsenic	0.0974	mg/L	0.1000		97	85-115		
Beryllium	0.115	mg/L	0.1000		115	85-115		
Cadmium	0.0984	mg/L	0.1000		98	85-115		
Chromium	0.102	mg/L	0.1000		102	85-115		
Iron	0.0989	mg/L	0.1000		99	85-115		
Lead	0.104	mg/L	0.1000		104	85-115		
Nickel	0.104	mg/L	0.1000		104	85-115		
Selenium	0.0877	mg/L	0.1000		88	85-115		
Thallium	0.104	mg/L	0.1000		104	85-115		
Zinc	0.107	mg/L	0.1000		107	85-115		
LCS (B305443-BS2)			Prepared: 04/09/13 Analyzed: 04/10/13					
Copper	< 0.0020	mg/L				85-115		
Antimony	0.107	mg/L	0.1000		107	85-115		
Silver	< 0.0020	mg/L				85-115		
Beryllium	< 0.0010	mg/L				85-115		
Cadmium	< 0.0020	mg/L				85-115		
Chromium	< 0.0020	mg/L				85-115		
Iron	< 0.010	mg/L				85-115		
Lead	< 0.010	mg/L				85-115		
Nickel	< 0.0020	mg/L				85-115		
Selenium	0.00552	mg/L				85-115		
Thallium	0.0119	mg/L				85-115		
Zinc	< 0.010	mg/L				85-115		
Matrix Spike (B305443-MS1)			Prepared: 04/09/13 Analyzed: 04/10/13					
Silver	0.0278	mg/L	0.02500	ND	111	70-130		



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Laboratory Results

Soluble Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305443 - 04 EPA 200.2 R2.8								
Matrix Spike (B305443-MS1)		Source: 3041005-01		Prepared: 04/09/13 Analyzed: 04/10/13				
Copper	0.417	mg/L	0.1000	0.315	103	70-130		
Antimony	Q1, R 0.147	mg/L	0.1000	0.0142	133	70-130		
Arsenic	0.130	mg/L	0.1000	ND	130	70-130		
Beryllium	Q3 0.131	mg/L	0.1000	ND	131	70-130		
Cadmium	0.111	mg/L	0.1000	ND	111	70-130		
Chromium	0.418	mg/L	0.1000	0.306	112	70-130		
Iron	0.186	mg/L	0.1000	0.0754	110	70-130		
Lead	0.109	mg/L	0.1000	0.00849	101	70-130		
Nickel	0.730	mg/L	0.1000	0.616	115	70-130		
Selenium	Q3 0.177	mg/L	0.1000	0.0222	154	70-130		
Thallium	0.0754	mg/L	0.1000	ND	75	70-130		
Zinc	0.193	mg/L	0.1000	0.0676	125	70-130		
Matrix Spike Dup (B305443-MSD1)		Source: 3041005-01		Prepared: 04/09/13 Analyzed: 04/10/13				
Copper	0.417	mg/L	0.1000	0.315	102	70-130	0.09	20
Antimony	Q1, R 0.118	mg/L	0.1000	0.0142	104	70-130	22	20
Silver	0.0284	mg/L	0.02500	ND	114	70-130	2	20
Arsenic	0.123	mg/L	0.1000	ND	123	70-130	5	20
Beryllium	Q3 0.131	mg/L	0.1000	ND	131	70-130	0.2	20
Cadmium	0.111	mg/L	0.1000	ND	111	70-130	0.6	20
Chromium	0.419	mg/L	0.1000	0.306	114	70-130	0.4	20
Iron	0.196	mg/L	0.1000	0.0754	121	70-130	6	20
Lead	0.110	mg/L	0.1000	0.00849	101	70-130	0.5	20
Nickel	0.728	mg/L	0.1000	0.616	112	70-130	0.4	20
Selenium	Q3 0.175	mg/L	0.1000	0.0222	153	70-130	0.8	20
Thallium	0.0774	mg/L	0.1000	ND	77	70-130	3	20
Zinc	0.193	mg/L	0.1000	0.0676	125	70-130	0.01	20
Batch B305517 - 04-SW 7470A/245.1								
Blank (B305517-BLK1)		Prepared & Analyzed: 04/10/13						
Mercury	< 0.0002	mg/L						
Blank (B305517-BLK2)		Prepared & Analyzed: 04/10/13						
Mercury	< 0.0002	mg/L						
Blank (B305517-BLK3)		Prepared & Analyzed: 04/10/13						
Mercury	< 0.0002	mg/L						
LCS (B305517-BS1)		Prepared & Analyzed: 04/10/13						
Mercury	0.00220	mg/L	0.002000	110	85-115			
Matrix Spike (B305517-MS1)		Source: 3040660-01		Prepared & Analyzed: 04/10/13				



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

Date Received: 04/05/13 16:30
Report Date: 04/24/13
Customer #: 277310

Laboratory Results

Soluble Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305517 - 04-SW 7470A/245.1								
Matrix Spike (B305517-MS1)	Source: 3040660-01	Prepared & Analyzed: 04/10/13						
Mercury	0.00220	mg/L	0.002000	ND	110	70-130		
Matrix Spike (B305517-MS2)	Source: 3041168-01	Prepared & Analyzed: 04/10/13						
Mercury	0.00220	mg/L	0.002000	ND	110	70-130		
Matrix Spike (B305517-MS3)	Source: 3041168-06	Prepared & Analyzed: 04/10/13						
Mercury	0.00230	mg/L	0.002000	ND	115	70-130		
Matrix Spike Dup (B305517-MSD1)	Source: 3040660-01	Prepared & Analyzed: 04/10/13						
Mercury	0.00230	mg/L	0.002000	ND	115	70-130	4	20
Matrix Spike Dup (B305517-MSD2)	Source: 3041168-01	Prepared & Analyzed: 04/10/13						
Mercury	0.00220	mg/L	0.002000	ND	110	70-130	0	20

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305944 - No Prep - VOA								
Blank (B305944-BLK1)	Prepared & Analyzed: 04/16/13							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 5.0	ug/L						
1,1-Dichloropropene	< 5.0	ug/L						
1,2,3-Trichlorobenzene	< 5.0	ug/L						
1,1,1-Trichloroethane	< 5.0	ug/L						
1,2,3-Trichloropropane	< 5.0	ug/L						
1,1,2,2-Tetrachloroethane	< 5.0	ug/L						
1,1,2-Trichloroethane	< 5.0	ug/L						
1,3-Dichloropropane	< 5.0	ug/L						
1,4-Dioxane	< 150	ug/L						
2,2-Dichloropropane	< 5.0	ug/L						
1,1-Dichloroethane	< 5.0	ug/L						
1-Propanol	< 1000	ug/L						
2-Chlorotoluene	< 5.0	ug/L						
1,1-Dichloroethene	< 5.0	ug/L						
2-Nitropropane	< 5.0	ug/L						
3-Chloroprene	< 5.0	ug/L						
4-Chlorotoluene	< 5.0	ug/L						
Methacrylonitrile	< 5.0	ug/L						
Bromobenzene	< 5.0	ug/L						
Bromochloromethane	< 5.0	ug/L						



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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
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Batch B305944 - No Prep - VOA

Blank (B305944-BLK1) Prepared & Analyzed: 04/16/13

Chloroprene	< 5.0	ug/L						
Cyclohexane	< 5.0	ug/L						
Cyclohexanone	< 10	ug/L						
Dibromomethane	< 5.0	ug/L						
1,2-Dichlorobenzene	< 5.0	ug/L						
Ethyl ether	< 10	ug/L						
1,2-Dichloroethane	< 5.0	ug/L						
Ethyl acetate	< 5.0	ug/L						
Ethyl methacrylate	< 5.0	ug/L						
Hexachlorobutadiene	< 5.0	ug/L						
Hexane	< 5.0	ug/L						
1,2-Dichloropropane	< 5.0	ug/L						
Iodomethane	< 5.0	ug/L						
Isobutanol	< 1000	ug/L						
Isopropanol	< 1000	ug/L						
Isopropylbenzene	< 5.0	ug/L						
Methyl methacrylate	< 5.0	ug/L						
n-Butylbenzene	< 5.0	ug/L						
n-Propylbenzene	< 5.0	ug/L						
1,3-Dichlorobenzene	< 5.0	ug/L						
Naphthalene	< 5.0	ug/L						
p-Isopropyl toluene	< 5.0	ug/L						
Propionitrile	< 10	ug/L						
Propyl ether	< 50	ug/L						
1,4-Dichlorobenzene	< 5.0	ug/L						
sec-Butanol	< 1000	ug/L						
sec-Butylbenzene	< 5.0	ug/L						
tert-Butylbenzene	< 5.0	ug/L						
trans-1,4-Dichloro-2-butene	< 5.0	ug/L						
2-Chloroethylvinyl ether	< 5.0	ug/L						
Xylenes- Total	< 15	ug/L						
Bis(chloromethyl) ether	< 10000	ug/L						
Tetrahydrofuran	< 10	ug/L						
Acrolein	< 50	ug/L						
Acrylonitrile	< 50	ug/L						
Benzene	< 5.0	ug/L						
Bromodichloromethane	< 5.0	ug/L						
Bromoform	< 5.0	ug/L						
Bromomethane	< 5.0	ug/L						



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Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305944 - No Prep - VOA								
Blank (B305944-BLK1)			Prepared & Analyzed: 04/16/13					
Carbon tetrachloride	< 5.0	ug/L						
cis-1,3-Dichloropropene	< 5.0	ug/L						
Chlorobenzene	< 5.0	ug/L						
Chloroethane	< 5.0	ug/L						
Chloroform	< 5.0	ug/L						
Chloromethane	< 5.0	ug/L						
Dibromochloromethane	< 5.0	ug/L						
trans-1,2-Dichloroethene	< 20	ug/L						
trans-1,3-Dichloropropene	< 5.0	ug/L						
Ethylbenzene	< 5.0	ug/L						
Methylene chloride	< 5.0	ug/L						
Tetrachloroethene	< 5.0	ug/L						
Toluene	< 5.0	ug/L						
Trichloroethene	< 5.0	ug/L						
Trichlorofluoromethane	< 5.0	ug/L						
Vinyl chloride	< 5.0	ug/L						
Fluorobenzene	30	ug/L				0-200		
Chlorobenzene-d5	30	ug/L				0-200		
1,4-Dichlorobenzene-d4	30	ug/L				0-200		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>29.1</i>	<i>ug/L</i>	<i>30.00</i>		<i>97</i>	<i>68-124</i>		
<i>Surrogate: Toluene-d8</i>	<i>31.4</i>	<i>ug/L</i>	<i>30.00</i>		<i>105</i>	<i>74-123</i>		
<i>Surrogate: Bromofluorobenzene</i>	<i>34.2</i>	<i>ug/L</i>	<i>30.00</i>		<i>114</i>	<i>81-129</i>		
LCS (B305944-BS1)			Prepared & Analyzed: 04/16/13					
1,1,1-Trichloroethane	20	ug/L	20.00		101	85-133		
1,1,2,2-Tetrachloroethane	20	ug/L	20.00		100	66-122		
1,1,2-Trichloroethane	19	ug/L	20.00		93	71-126		
1,1-Dichloroethane	20	ug/L	20.00		100	85-125		
1,1-Dichloroethene	20	ug/L	20.00		102	81-140		
1,2-Dichlorobenzene	18	ug/L	20.00		91	74-112		
1,2-Dichloroethane	20	ug/L	20.00		100	80-126		
1,2-Dichloropropane	20	ug/L	20.00		99	83-123		
1,3-Dichlorobenzene	18	ug/L	20.00		91	74-112		
1,4-Dichlorobenzene	18	ug/L	20.00		91	74-112		
Benzene	20	ug/L	20.00		101	87-127		
Bromodichloromethane	20	ug/L	20.00		98	82-120		
Bromoform	18	ug/L	20.00		89	70-118		
Bromomethane	8	ug/L	20.00		42	10-105		
Carbon tetrachloride	19	ug/L	20.00		95	80-135		
cis-1,3-Dichloropropene	20	ug/L	20.00		102	84-129		



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Date Received: 04/05/13 16:30
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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 B305944 - No Prep - VOA								
LCS (B305944-BS1)			Prepared & Analyzed: 04/16/13					
Chlorobenzene	20	ug/L	20.00		98	78-118		
Chloroethane	18	ug/L	20.00		91	55-158		
Chloroform	19	ug/L	20.00		96	84-124		
Chloromethane	12	ug/L	20.00		60	32-127		
Dibromochloromethane	19	ug/L	20.00		95	77-121		
trans-1,2-Dichloroethene	20	ug/L	20.00		101	88-133		
trans-1,3-Dichloropropene	19	ug/L	20.00		95	75-122		
Ethylbenzene	21	ug/L	20.00		103	85-123		
Methylene chloride	19	ug/L	20.00		96	79-126		
Tetrachloroethene	19	ug/L	20.00		95	79-123		
Toluene	20	ug/L	20.00		99	86-125		
Trichloroethene	20	ug/L	20.00		101	83-126		
Trichlorofluoromethane	18	ug/L	20.00		92	74-134		
Vinyl chloride	16	ug/L	20.00		81	64-144		
Fluorobenzene	30	ug/L				0-200		
Chlorobenzene-d5	30	ug/L				0-200		
1,4-Dichlorobenzene-d4	30	ug/L				0-200		
Surrogate: 1,2-Dichloroethane-d4	28.7	ug/L	30.00		96	68-124		
Surrogate: Toluene-d8	30.7	ug/L	30.00		102	74-123		
Surrogate: Bromofluorobenzene	33.8	ug/L	30.00		113	81-129		
Matrix Spike (B305944-MS1)			Source: 3042098-01			Prepared & Analyzed: 04/16/13		
1,1,1-Trichloroethane	21	ug/L	20.00	ND	106	82-156		
1,1,2,2-Tetrachloroethane	18	ug/L	20.00	ND	92	54-135		
1,1,2-Trichloroethane	19	ug/L	20.00	ND	96	48-150		
1,1-Dichloroethane	21	ug/L	20.00	ND	105	78-148		
1,1-Dichloroethene	21	ug/L	20.00	ND	107	72-174		
1,2-Dichlorobenzene	17	ug/L	20.00	ND	86	66-129		
1,2-Dichloroethane	19	ug/L	20.00	ND	93	76-140		
1,2-Dichloropropane	20	ug/L	20.00	ND	98	75-146		
1,3-Dichlorobenzene	17	ug/L	20.00	ND	87	64-132		
1,4-Dichlorobenzene	17	ug/L	20.00	ND	84	63-131		
Benzene	21	ug/L	20.00	ND	103	79-152		
Bromodichloromethane	19	ug/L	20.00	ND	96	71-138		
Bromoform	16	ug/L	20.00	ND	80	59-126		
Bromomethane	10	ug/L	20.00	ND	52	10-113		
Carbon tetrachloride	22	ug/L	20.00	ND	109	78-158		
cis-1,3-Dichloropropene	19	ug/L	20.00	ND	97	77-141		
Chlorobenzene	19	ug/L	20.00	ND	94	60-146		
Chloroethane	20	ug/L	20.00	ND	99	59-176		



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St. Louis, MO 63044
Attn: Bryan Sehie

Date Received: 04/05/13 16:30
Report Date: 04/24/13
Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305944 - No Prep - VOA								
Matrix Spike (B305944-MS1)		Source: 3042098-01		Prepared & Analyzed: 04/16/13				
Chloroform	21	ug/L	20.00	1	99	80-142		
Chloromethane	12	ug/L	20.00	ND	60	20-138		
Dibromochloromethane	18	ug/L	20.00	ND	89	71-127		
trans-1,2-Dichloroethene	21	ug/L	20.00	ND	106	81-156		
trans-1,3-Dichloropropene	18	ug/L	20.00	ND	88	69-128		
Ethylbenzene	20	ug/L	20.00	ND	100	71-154		
Methylene chloride	20	ug/L	20.00	ND	98	76-140		
Tetrachloroethene	19	ug/L	20.00	ND	96	75-144		
Toluene	21	ug/L	20.00	ND	104	79-150		
Trichloroethene	21	ug/L	20.00	ND	103	61-172		
Trichlorofluoromethane	20	ug/L	20.00	ND	99	75-155		
Vinyl chloride	17	ug/L	20.00	ND	84	54-172		
Fluorobenzene	30	ug/L				0-200		
Chlorobenzene-d5	30	ug/L				0-200		
1,4-Dichlorobenzene-d4	30	ug/L				0-200		
Surrogate: 1,2-Dichloroethane-d4	28.3	ug/L	30.00		94	68-124		
Surrogate: Toluene-d8	30.4	ug/L	30.00		101	74-123		
Surrogate: Bromofluorobenzene	31.0	ug/L	30.00		103	81-129		
Matrix Spike Dup (B305944-MSD1)		Source: 3042098-01		Prepared & Analyzed: 04/16/13				
1,1,1-Trichloroethane	21	ug/L	20.00	ND	104	82-156	2	40
1,1,2,2-Tetrachloroethane	19	ug/L	20.00	ND	93	54-135	1	40
1,1,2-Trichloroethane	19	ug/L	20.00	ND	96	48-150	0.3	40
1,1-Dichloroethane	20	ug/L	20.00	ND	102	78-148	3	40
1,1-Dichloroethene	22	ug/L	20.00	ND	108	72-174	0.5	40
1,2-Dichlorobenzene	17	ug/L	20.00	ND	86	66-129	0.02	40
1,2-Dichloroethane	18	ug/L	20.00	ND	89	76-140	4	40
1,2-Dichloropropane	19	ug/L	20.00	ND	97	75-146	1	40
1,3-Dichlorobenzene	17	ug/L	20.00	ND	84	64-132	3	40
1,4-Dichlorobenzene	17	ug/L	20.00	ND	83	63-131	1	40
Benzene	20	ug/L	20.00	ND	101	79-152	2	40
Bromodichloromethane	19	ug/L	20.00	ND	97	71-138	1	40
Bromoform	16	ug/L	20.00	ND	81	59-126	2	40
Bromomethane	12	ug/L	20.00	ND	59	10-113	13	40
Carbon tetrachloride	21	ug/L	20.00	ND	106	78-158	3	40
cis-1,3-Dichloropropene	19	ug/L	20.00	ND	97	77-141	0.3	40
Chlorobenzene	18	ug/L	20.00	ND	91	60-146	2	40
Chloroethane	19	ug/L	20.00	ND	97	59-176	2	40
Chloroform	21	ug/L	20.00	1	98	80-142	0.8	40
Chloromethane	12	ug/L	20.00	ND	60	20-138	0.4	40



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Date Received: 04/05/13 16:30
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Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305944 - No Prep - VOA								
Matrix Spike Dup (B305944-MSD1)		Source: 3042098-01		Prepared & Analyzed: 04/16/13				
Dibromochloromethane	17	ug/L	20.00	ND	85	71-127	4	40
trans-1,2-Dichloroethene	21	ug/L	20.00	ND	104	81-156	1	40
trans-1,3-Dichloropropene	18	ug/L	20.00	ND	88	69-128	0.2	40
Ethylbenzene	19	ug/L	20.00	ND	97	71-154	3	40
Methylene chloride	20	ug/L	20.00	ND	98	76-140	0.5	40
Tetrachloroethene	18	ug/L	20.00	ND	92	75-144	4	40
Toluene	21	ug/L	20.00	ND	103	79-150	1	40
Trichloroethene	20	ug/L	20.00	ND	102	61-172	0.9	40
Trichlorofluoromethane	19	ug/L	20.00	ND	97	75-155	2	40
Vinyl chloride	17	ug/L	20.00	ND	83	54-172	1	40
Fluorobenzene	30	ug/L				0-200		
Chlorobenzene-d5	30	ug/L				0-200		
1,4-Dichlorobenzene-d4	30	ug/L				0-200		
Surrogate: 1,2-Dichloroethane-d4	29.1	ug/L	30.00		97	68-124		
Surrogate: Toluene-d8	31.2	ug/L	30.00		104	74-123		
Surrogate: Bromofluorobenzene	31.8	ug/L	30.00		106	81-129		

Batch B306156 - No Prep - VOA

Blank (B306156-BLK1)		Prepared & Analyzed: 04/17/13						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 5.0	ug/L						
1,1-Dichloropropene	< 5.0	ug/L						
1,2,3-Trichlorobenzene	< 5.0	ug/L						
1,2,3-Trichloropropane	< 5.0	ug/L						
1,3-Dichloropropane	< 5.0	ug/L						
1,4-Dioxane	< 150	ug/L						
2,2-Dichloropropane	< 5.0	ug/L						
1-Propanol	< 1000	ug/L						
2-Chlorotoluene	< 5.0	ug/L						
2-Nitropropane	< 5.0	ug/L						
3-Chloroprene	< 5.0	ug/L						
4-Chlorotoluene	< 5.0	ug/L						
Methacrylonitrile	< 5.0	ug/L						
Bromobenzene	< 5.0	ug/L						
Bromochloromethane	< 5.0	ug/L						
Chloroprene	< 5.0	ug/L						
Cyclohexane	< 5.0	ug/L						
Cyclohexanone	< 10	ug/L						
Dibromomethane	< 5.0	ug/L						



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Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B306156 - No Prep - VOA

Blank (B306156-BLK1) Prepared & Analyzed: 04/17/13

Ethyl ether	< 10	ug/L						
Ethyl acetate	< 5.0	ug/L						
Ethyl methacrylate	< 5.0	ug/L						
Hexachlorobutadiene	< 5.0	ug/L						
Hexane	< 5.0	ug/L						
Iodomethane	< 5.0	ug/L						
Isobutanol	< 1000	ug/L						
Isopropanol	< 1000	ug/L						
Isopropylbenzene	< 5.0	ug/L						
Methyl methacrylate	< 5.0	ug/L						
n-Butylbenzene	< 5.0	ug/L						
n-Propylbenzene	< 5.0	ug/L						
Naphthalene	< 5.0	ug/L						
p-Isopropyl toluene	< 5.0	ug/L						
Propionitrile	< 10	ug/L						
Propyl ether	< 50	ug/L						
sec-Butanol	< 1000	ug/L						
sec-Butylbenzene	< 5.0	ug/L						
tert-Butylbenzene	< 5.0	ug/L						
trans-1,4-Dichloro-2-butene	< 5.0	ug/L						
Tetrahydrofuran	< 10	ug/L						
Fluorobenzene	30	ug/L				0-200		
Chlorobenzene-d5	30	ug/L				0-200		
1,4-Dichlorobenzene-d4	30	ug/L				0-200		
Surrogate: 1,2-Dichloroethane-d4	29.8	ug/L	30.00		99	68-124		
Surrogate: Toluene-d8	31.8	ug/L	30.00		106	74-123		
Surrogate: Bromofluorobenzene	32.7	ug/L	30.00		109	81-129		

LCS (B306156-BS1) Prepared & Analyzed: 04/17/13

Fluorobenzene	30	ug/L				0-200		
Chlorobenzene-d5	30	ug/L				0-200		
1,4-Dichlorobenzene-d4	30	ug/L				0-200		
Surrogate: 1,2-Dichloroethane-d4	28.8	ug/L	30.00		96	68-124		
Surrogate: Toluene-d8	30.7	ug/L	30.00		102	74-123		
Surrogate: Bromofluorobenzene	32.2	ug/L	30.00		107	81-129		

Semivolatile Organics - Quality Control

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

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305642 - EPA 625/8270								
Blank (B305642-BLK1)			Prepared: 04/11/13 Analyzed: 04/12/13					
N-Nitrosodimethylamine	< 10	ug/L						
Pyridine	< 10	ug/L						
Phenol	< 10	ug/L						
Bis(2-chloroethyl) ether	< 10	ug/L						
2-Chlorophenol	< 10	ug/L						
1,3-Dichlorobenzene	< 10	ug/L						
1,4-Dichlorobenzene-d4	40	ug/mL	4000		1	0-200		
1,4-Dichlorobenzene	< 10	ug/L						
1,2-Dichlorobenzene	< 10	ug/L						
2-Methylphenol	< 10	ug/L						
Bis(2-chloroisopropyl) ether	< 10	ug/L						
N-Nitrosodi-n-propylamine	< 10	ug/L						
3- & 4-Methylphenol	< 10	ug/L						
Hexachloroethane	< 10	ug/L						
Nitrobenzene	< 10	ug/L						
Isophorone	< 10	ug/L						
2-Nitrophenol	< 10	ug/L						
2,4-Dimethylphenol	< 10	ug/L						
Bis(2-chloroethoxy) methane	< 10	ug/L						
2,4-Dichlorophenol	< 10	ug/L						
1,2,4-Trichlorobenzene	< 10	ug/L						
Naphthalene-d8	40	ug/mL	4000		1	0-200		
Naphthalene	< 10	ug/L						
4-Chloroaniline	< 10	ug/L						
Hexachlorobutadiene	< 10	ug/L						
4-Chloro-3-methylphenol	< 10	ug/L						
2-Methylnaphthalene	< 10	ug/L						
Hexachlorocyclopentadiene	< 50	ug/L						
2,4,6-Trichlorophenol	< 50	ug/L						
2,4,5-Trichlorophenol	< 10	ug/L						
2-Chloronaphthalene	< 10	ug/L						
2-Nitroaniline	< 50	ug/L						
Dimethyl phthalate	< 10	ug/L						
2,6-Dinitrotoluene	< 10	ug/L						
Acenaphthylene	< 10	ug/L						
Acenaphthene-d10	40	ug/mL	4000		1	0-200		
Acenaphthene	< 10	ug/L						
2,4-Dinitrophenol	< 50	ug/L						
4-Nitrophenol	< 50	ug/L						
2,4-Dinitrotoluene	< 10	ug/L						



PDC Laboratories, Inc.

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



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

Date Received: 04/05/13 16:30
Report Date: 04/24/13
Customer #: 277310

Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305642 - EPA 625/8270								
Blank (B305642-BLK1)			Prepared: 04/11/13 Analyzed: 04/12/13					
Diethyl phthalate	< 10	ug/L						
Fluorene	< 10	ug/L						
4-Chlorophenylphenyl ether	< 10	ug/L						
4-Nitroaniline	< 50	ug/L						
4,6-Dinitro-2-methylphenol	< 50	ug/L						
N-Nitrosodiphenylamine	< 10	ug/L						
1,2-Diphenylhydrazine	< 10	ug/L						
4-Bromophenylphenyl ether	< 10	ug/L						
Hexachlorobenzene	< 10	ug/L						
Pentachlorophenol	< 50	ug/L						
Phenanthrene-d10	40	ug/mL	4000		1	0-200		
Phenanthrene	< 10	ug/L						
Anthracene	< 10	ug/L						
Di-n-butyl phthalate	< 10	ug/L						
Fluoranthene	< 10	ug/L						
Benzidine	< 80	ug/L						
Pyrene	< 10	ug/L						
Butyl benzyl phthalate	< 10	ug/L						
Benzo(a)anthracene	< 10	ug/L						
3,3'-Dichlorobenzidine	< 20	ug/L						
Chrysene-d12	40	ug/mL	4000		1	0-200		
Chrysene	< 10	ug/L						
Bis(2-ethylhexyl) phthalate	< 10	ug/L						
Di-n-octyl phthalate	< 10	ug/L						
Benzo(b)fluoranthene	< 10	ug/L						
Dioxin Screen	< 50	ug/L						
Benzo(k)fluoranthene	< 10	ug/L						
Benzo(a)pyrene	< 10	ug/L						
Perylene-d12	40	ug/mL	4000		1	0-200		
Indeno(1,2,3-cd)pyrene	< 10	ug/L						
Dibenzo(a,h)anthracene	< 10	ug/L						
Benzo(g,h,i)perylene	< 10	ug/L						
Surrogate: 2-Fluorophenol	32	ug/L	75.00		43	14-97		
Surrogate: Phenol-d6	21	ug/L	75.00		28	13-64		
Surrogate: Nitrobenzene-d5	33	ug/L	50.00		67	28-127		
Surrogate: 2-Fluorobiphenyl	29	ug/L	50.00		58	25-129		
Surrogate: 2-Fluorobiphenyl	30.4	ug/L	50.00		61	25-129		
Surrogate: 2,4,6-Tribromophenol	45	ug/L	75.00		60	32-158		
Surrogate: p-Terphenyl-d14	41	ug/L	50.00		81	54-145		



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

Date Received: 04/05/13 16:30
Report Date: 04/24/13
Customer #: 277310

Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305642 - EPA 625/8270								
LCS (B305642-BS1)			Prepared: 04/11/13 Analyzed: 04/12/13					
N-Nitrosodimethylamine	21	ug/L	50.00		41	20-83		
Phenol	34	ug/L	100.0		34	10-63		
Bis(2-chloroethyl) ether	35	ug/L	50.00		69	23-122		
2-Chlorophenol	68	ug/L	100.0		68	24-112		
1,3-Dichlorobenzene	25	ug/L	50.00		49	21-98		
1,4-Dichlorobenzene-d4	40	ug/mL	4000		1	0-200		
1,4-Dichlorobenzene	25	ug/L	50.00		51	20-103		
1,2-Dichlorobenzene	26	ug/L	50.00		51	22-103		
Bis(2-chloroisopropyl) ether	37	ug/L	50.00		74	19-133		
N-Nitrosodi-n-propylamine	36	ug/L	50.00		72	26-126		
Hexachloroethane	27	ug/L	50.00		54	16-100		
Nitrobenzene	36	ug/L	50.00		72	22-120		
Isophorone	37	ug/L	50.00		75	35-123		
2-Nitrophenol	60	ug/L	100.0		60	25-120		
2,4-Dimethylphenol	63	ug/L	100.0		63	25-109		
Bis(2-chloroethoxy) methane	36	ug/L	50.00		73	22-127		
2,4-Dichlorophenol	68	ug/L	100.0		68	22-122		
1,2,4-Trichlorobenzene	27	ug/L	50.00		53	20-111		
Naphthalene-d8	40	ug/mL	4000		1	0-200		
Naphthalene	29	ug/L	50.00		58	24-114		
Hexachlorobutadiene	20	ug/L	50.00		41	16-109		
4-Chloro-3-methylphenol	71	ug/L	100.0		71	31-118		
Hexachlorocyclopentadiene	39	ug/L	50.00		79	10-99		
2,4,6-Trichlorophenol	67	ug/L	100.0		67	22-132		
2-Chloronaphthalene	26	ug/L	50.00		52	23-119		
Dimethyl phthalate	35	ug/L	50.00		70	37-139		
2,6-Dinitrotoluene	36	ug/L	50.00		71	36-136		
Acenaphthylene	32	ug/L	50.00		65	30-111		
Acenaphthene-d10	40	ug/mL	4000		1	0-200		
Acenaphthene	31	ug/L	50.00		62	25-132		
2,4-Dinitrophenol	74	ug/L	100.0		74	23-128		
4-Nitrophenol	43	ug/L	100.0		43	23-58		
2,4-Dinitrotoluene	39	ug/L	50.00		79	36-138		
Diethyl phthalate	36	ug/L	50.00		72	38-148		
Fluorene	34	ug/L	50.00		68	32-138		
4-Chlorophenylphenyl ether	32	ug/L	50.00		64	28-140		
4,6-Dinitro-2-methylphenol	80	ug/L	100.0		80	37-122		
N-Nitrosodiphenylamine	31	ug/L	50.00		63	44-119		
4-Bromophenylphenyl ether	31	ug/L	50.00		61	31-137		
Hexachlorobenzene	34	ug/L	50.00		69	35-133		



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

Date Received: 04/05/13 16:30
Report Date: 04/24/13
Customer #: 277310

Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305642 - EPA 625/8270								
LCS (B305642-BS1)			Prepared: 04/11/13 Analyzed: 04/12/13					
Pentachlorophenol	72	ug/L	100.0		72	35-134		
Phenanthrene-d10	40	ug/mL	4000		1	0-200		
Phenanthrene	37	ug/L	50.00		74	66-104		
Anthracene	38	ug/L	50.00		76	44-130		
Di-n-butyl phthalate	36	ug/L	50.00		73	46-132		
Fluoranthene	36	ug/L	50.00		71	42-131		
Pyrene	38	ug/L	50.00		76	46-119		
Butyl benzyl phthalate	41	ug/L	50.00		83	42-122		
Benzo(a)anthracene	35	ug/L	50.00		70	43-104		
Chrysene-d12	40	ug/mL	4000		1	0-200		
Chrysene	36	ug/L	50.00		71	45-119		
Bis(2-ethylhexyl) phthalate	41	ug/L	50.00		83	45-121		
Di-n-octyl phthalate	45	ug/L	50.00		91	46-131		
Benzo(b)fluoranthene	33	ug/L	50.00		66	20-133		
Benzo(k)fluoranthene	38	ug/L	50.00		76	6-176		
Benzo(a)pyrene	36	ug/L	50.00		71	26-142		
Perylene-d12	40	ug/mL	4000		1	0-200		
Indeno(1,2,3-cd)pyrene	43	ug/L	50.00		85	25-143		
Dibenzo(a,h)anthracene	42	ug/L	50.00		84	25-144		
Benzo(g,h,i)perylene	40	ug/L	50.00		79	24-142		
Surrogate: 2-Fluorophenol		32 ug/L	75.00		43	14-97		
Surrogate: Phenol-d6		23 ug/L	75.00		30	13-64		
Surrogate: Nitrobenzene-d5		37 ug/L	50.00		73	28-127		
Surrogate: 2-Fluorobiphenyl		33 ug/L	50.00		65	25-129		
Surrogate: 2,4,6-Tribromophenol		57 ug/L	75.00		76	32-158		
Surrogate: p-Terphenyl-d14		38 ug/L	50.00		76	54-145		
LCS (B305642-BS2)			Prepared: 04/11/13 Analyzed: 04/15/13					
Pyridine	< 10	ug/L				5-65		
2-Methylphenol	< 10	ug/L				25-101		
3- & 4-Methylphenol	< 10	ug/L				22.5-94.2		
4-Chloroaniline	< 10	ug/L				28.8-113		
2-Methylnaphthalene	< 10	ug/L				24.7-106		
2,4,5-Trichlorophenol	< 10	ug/L				18.6-114		
2-Nitroaniline	< 50	ug/L				39.9-106		
4-Nitroaniline	< 50	ug/L				38.9-105		
Surrogate: 2-Fluorobiphenyl	28.0	ug/L	50.00		56	25-129		



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

Date Received: 04/05/13 16:30
Report Date: 04/24/13
Customer #: 277310

Laboratory Results

Pesticides - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305602 - EPA 608/8081/8082/8141								
Blank (B305602-BLK1)			Prepared: 04/11/13 Analyzed: 04/15/13					
4,4'-DDD	< 0.10	ug/L						
4,4'-DDE	< 0.10	ug/L						
4,4'-DDT	< 0.10	ug/L						
Aldrin	< 0.050	ug/L						
Alpha-BHC	< 0.050	ug/L						
Aroclor 1016	< 0.50	ug/L						
Aroclor 1221	< 1.0	ug/L						
Aroclor 1232	< 0.50	ug/L						
Aroclor 1242	< 0.50	ug/L						
Aroclor 1248	< 0.50	ug/L						
Aroclor 1254	< 1.0	ug/L						
Aroclor 1260	< 1.0	ug/L						
Aroclors - Total	< 5.0	ug/L						
Beta-BHC	< 0.050	ug/L						
Chlordane (technical)	< 0.50	ug/L						
Delta-BHC	< 0.050	ug/L						
Dieldrin	< 0.10	ug/L						
Endosulfan I	< 0.050	ug/L						
Endosulfan II	< 0.10	ug/L						
Endosulfan sulfate	< 0.10	ug/L						
Endrin	< 0.10	ug/L						
Endrin aldehyde	< 0.10	ug/L						
gamma-BHC (Lindane)	< 0.050	ug/L						
Heptachlor	< 0.050	ug/L						
Heptachlor epoxide	< 0.050	ug/L						
Methoxychlor	< 0.50	ug/L						
Toxaphene	< 0.50	ug/L						
Surrogate: TCMX	0.358	ug/L	0.5000		72	46-112		
Surrogate: DCBP	0.216	ug/L	0.5000		43	10-127		
LCS (B305602-BS1)			Prepared: 04/11/13 Analyzed: 04/15/13					
4,4'-DDD	0.8	ug/L	0.8000		95	63-115		
4,4'-DDE	0.7	ug/L	0.8000		90	62-112		
4,4'-DDT	0.8	ug/L	0.8000		96	60-121		
Aldrin	0.7	ug/L	0.8000		86	50-110		
Alpha-BHC	0.8	ug/L	0.8000		95	61-113		
Beta-BHC	0.7	ug/L	0.8000		89	61-114		
Delta-BHC	0.8	ug/L	0.8000		95	59-117		
Dieldrin	0.7	ug/L	0.8000		92	65-115		
Endosulfan I	0.7	ug/L	0.8000		92	63-115		



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

Date Received: 04/05/13 16:30
Report Date: 04/24/13
Customer #: 277310

Laboratory Results

Pesticides - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B305602 - EPA 608/8081/8082/8141								
LCS (B305602-BS1)			Prepared: 04/11/13 Analyzed: 04/15/13					
Endosulfan II	0.7	ug/L	0.8000		93	64-116		
Endosulfan sulfate	0.8	ug/L	0.8000		96	61-116		
Endrin	0.7	ug/L	0.8000		92	63-119		
Endrin aldehyde	0.7	ug/L	0.8000		91	50-123		
gamma-BHC (Lindane)	0.7	ug/L	0.8000		94	62-113		
Heptachlor	0.7	ug/L	0.8000		86	58-110		
Heptachlor epoxide	0.7	ug/L	0.8000		91	64-113		
Methoxychlor	3	ug/L	3.200		91	66-116		
Surrogate: TCMX	0.337	ug/L	0.5000		67	46-112		
Surrogate: DCBP	0.394	ug/L	0.5000		79	10-127		



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

Date Received: 04/05/13 16:30
Report Date: 04/24/13
Customer #: 277310

Laboratory Results

Notes

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

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

- PIA PDC Laboratories - Peoria, IL
NELAC Accreditation for Drinking Water, Wastewater, Hazardous and Solid Wastes Fields of Testing through IL EPA Lab No. 100230
Illinois Department of Public Health Bacteriological Analysis in Drinking Water Approved Laboratory Registry No. 17553
Drinking Water Certifications: Kansas (E-10338); Missouri (870); Wisconsin (998284430); Indiana (C-IL-040); Iowa (240)
Wastewater Certifications: Arkansas (88-0677); Wisconsin (998284430); Iowa (240); Kansas (E-10335)
Hazardous/Solid Waste Certifications: Arkansas (88-0677); Wisconsin (998284430); Iowa (240); Kansas (E-10335)
UST Certification; Iowa (240)
- SPM PDC Laboratories - Springfield, MO
EPA DMR-QA Program
- STL PDC Laboratories - St. Louis, MO
NELAC Accreditation for Wastewater, Hazardous and Solid Wastes Fields of Testing
Drinking Water Certifications: Kansas (E-10389)

- Xa Surrogate failure on 3041134-01. This was a second run for dilutions.
- X Both surrogates (TCMX and DCBP) failed low
- R MS/MSD Failed %RPD
- Q3 MS/MSD both failed %R
- Q1 MS Failed %R
- H Test performed after the expiration of the appropriate regulatory/advisory maximum allowable hold time.
- B2 Contamination does not impact data since sample result is greater than ten times the contamination level.
- B1 Blank contamination suspected and the sample result is less than MRL.

Certified by: 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 Bridgeton L.F. ADDRESS 13570 St. Charles Rock Rd. CITY STATE ZIP Bridgeton, MO 63044 CONTACT PERSON Ed Galbraith		PROJECT NUMBER P. O. NUMBER MEANS SHIPPED Delivered	PHONE NUMBER (573) 638-5224 FAX NUMBER EMAIL ADDRESS egalbraith@cdl.com	3 ANALYSIS REQUESTED BVA 025 Pesticides PCB COP UOA 624 oil + grease BOD, PH, TSS, COC Metals + Cyanide + H ₂ S Total metals + Total Cr NH ₃	4 (FOR LAB USE ONLY) LOGIN # 3041134 LOGGED BY: HE LAB PROJ. # TEMPLATE: PROJ. MGR.: REMARKS See Attachment for full list
2 SAMPLE DESCRIPTION AS YOU WANT ON REPORT Treated Commingled MSD		DATE COLLECTED 4-5-13 TIME COLLECTED 1330 SAMPLE TYPE X MATRIX TYPE L'cht Bottle Count 14	ANALYSIS CHECKBOXES: BVA 025 [X] Pesticides PCB COP [X] UOA 624 [X] oil + grease [X] BOD, PH, TSS, COC [X] Metals + Cyanide + H ₂ S [X] Total metals + Total Cr [X] NH ₃ [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> Fasttrak™ (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) Scott C. Fedak DATE 4-5-13 TIME 1630		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 29.1°C Y OR N Y OR N Y OR N Y OR N	
RELINQUISHED BY: (SIGNATURE) RELINQUISHED BY: (SIGNATURE) RELINQUISHED BY: (SIGNATURE) RELINQUISHED BY: (SIGNATURE)		RECEIVED BY: [Signature] DATE 4/5/13 TIME 16:30	RECEIVED BY: DATE TIME RECEIVED BY: DATE TIME RECEIVED BY: DATE TIME	RECEIVED BY: DATE TIME RECEIVED BY: DATE TIME	

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

SUBCONTRACT ORDER

PDC Laboratories, Inc.

3041134

MS

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

RECEIVING LABORATORY:

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

Date Shipped 4/8/13
 Sample Origin (State) MO
 PO# _____
 Total # of Containers 5

Analysis	Due	Expires	Comments
Sample ID: 3041134-01	Water	Sampled: 04/05/13 13:30	
M8270 Extended	04/12/13 16:00	04/12/13 13:30	
M8260 Extended	04/12/13 16:00	04/19/13 13:30	
M625 Extended	04/12/13 16:00	04/12/13 13:30	
M625	04/12/13 16:00	04/12/13 13:30	
M624	04/12/13 16:00	04/19/13 13:30	
M608	04/12/13 16:00	04/12/13 13:30	

Turn-Around Time Requested (circle one): NORMAL RUSH Date Results Needed: 4/12/13

Relinquished By	Date/Time	Received By	Date/Time	Sample Temperature Upon Receipt	<u>8</u> C
<i>Heather Leadant</i>	<u>4/8/13</u>	<i>M. Russo</i>	<u>4/9/13</u>	Sample(s) Received on Ice	<input checked="" type="radio"/> Y or N
Relinquished By	Date/Time	Received By	Date/Time	Proper Bottles Received in Good Condition	<input checked="" type="radio"/> Y or N
			<u>9:30</u>	Bottles Filled with Adequate Volume	<input checked="" type="radio"/> Y or N
				Samples Received Within Hold Time	<input checked="" type="radio"/> Y or N
				Date/Time Taken From Sample Bottle	<input checked="" type="radio"/> Y or N



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

Date Received: 04/25/13 15:25
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Sample No: **3043568-01**

Collect Date: **04/25/13 11:30**

Sample Description: **Treated Commingled MSD 2**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>General Chemistry - STL</u>					
BOD	34000 mg/L	C, Xa	04/26/13 07:45	DAW	SM 5210B 18Ed 04KS
COD	53000 mg/L		04/25/13 18:20	DAW	SM 5220D 18Ed 04KS
Oil & Grease - total	< 25 mg/L		04/26/13 09:00	mep	EPA 1664A 04KS
pH	5.7 pH Units		04/25/13 12:15	ACV	SM 4500-H B 04KS 18Ed - EPA 150.1 - SW 9040B
Solids - total suspended solids (TSS)	1200 mg/L		04/26/13 10:20	DAW	SM 2540D 18Ed 04KS
<u>Nutrients - STL</u>					
Ammonia-N	720 mg/L		04/26/13 11:00	ACV	SM(18) 4500 NH3 F 04KS
<u>Semivolatile Organics - STL</u>					
1,2,4-Trichlorobenzene	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625 04KS
1,2-Dichlorobenzene	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625*
1,3-Dichlorobenzene	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625*
1,4-Dichlorobenzene	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625*
2,4,5-Trichlorophenol	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625*
2,4,6-Trichlorophenol	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625 04KS
2,4-Dichlorophenol	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625 04KS
2,4-Dimethylphenol	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625 04KS
2,4-Dinitrophenol	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625 04KS
2,4-Dinitrotoluene	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625 04KS
2,6-Dimethylaniline	< 100 ug/L	X	04/29/13 22:12	jk	EPA 625*
2,6-Dinitrotoluene	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625 04KS
2-Chloronaphthalene	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625 04KS
2-Chlorophenol	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625 04KS
2-Nitrophenol	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625 04KS
3,3'-Dichlorobenzidine	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625 04KS
4,6-Dinitro-2-methylphenol	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625*
4-Bromophenylphenyl ether	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625 04KS
4-Chloro-3-methylphenol	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625 04KS
4-Chlorophenylphenyl ether	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625 04KS
4-Nitrophenol	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625 04KS
Acenaphthene	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625 04KS
Acenaphthylene	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625 04KS



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

Date Received: 04/25/13 15:25
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Sample No: **3043568-01**

Collect Date: **04/25/13 11:30**

Sample Description: **Treated Commingled MSD 2**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL						
Anthracene	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625	04KS
Azobenzene	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625*	
Benzidine	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625*	
Benzo(a)anthracene	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625	04KS
Benzo(a)pyrene	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625	04KS
Benzo(b&k)fluoranthene	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625	04KS
Benzo(b)fluoranthene	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625	04KS
Benzo(g,h,i)perylene	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625	04KS
Benzo(k)fluoranthene	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625	04KS
Bis(2-chloroethoxy) methane	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625	04KS
Bis(2-chloroethyl) ether	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625	04KS
Bis(2-chloroisopropyl) ether	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625	04KS
Bis(2-ethylhexyl) phthalate	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625	04KS
Butyl benzyl phthalate	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625	04KS
Chrysene	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625	04KS
Dibenzo(a,h)anthracene	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625	04KS
Diethyl phthalate	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625	04KS
Dimethyl phthalate	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625	04KS
Di-n-butyl phthalate	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625	04KS
Di-n-octyl phthalate	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625	04KS
Diphenylamine	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625	04KS
Fluoranthene	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625	04KS
Fluorene	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625	04KS
Hexachlorobenzene	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625	04KS
Hexachlorobutadiene	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625	04KS
Hexachlorocyclopentadiene	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625	04KS
Hexachloroethane	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625	04KS
Indeno(1,2,3-cd)pyrene	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625	04KS
Isophorone	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625	04KS
Naphthalene	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625	04KS
Nitrobenzene	295 ug/L	X	04/29/13 22:12	jk	EPA 625	04KS
N-Nitrosodimethylamine	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625	04KS
N-Nitrosodi-n-propylamine	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625	04KS



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

Date Received: 04/25/13 15:25
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Sample No: **3043568-01**

Sample Description: **Treated Commingled MSD 2**

Collect Date: **04/25/13 11:30**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL						
Pentachlorophenol	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625	04KS
Phenanthrene	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625	04KS
Phenol	3350 ug/L	X	04/30/13 19:33	jk	EPA 625	04KS
Pyrene	< 200 ug/L	X	04/29/13 22:12	jk	EPA 625	04KS
Surrogate: 2-Fluorophenol	23 % 10-35	S, X	04/29/13 22:12	jk	EPA 625	
Surrogate: Phenol- d5	31 % 10-26	S, X	04/29/13 22:12	jk	EPA 625	
Surrogate: Nitrobenzene-d5	31 % 22-105	S, X	04/29/13 22:12	jk	EPA 625	
Surrogate: 2-Fluorobiphenyl	36 % 30-97	S, X	04/29/13 22:12	jk	EPA 625	
Surrogate: 2,4,6-Tribromophenol	14 % 10-93	S, X	04/29/13 22:12	jk	EPA 625	
Surrogate: p-Terphenyl-d14	33 % 22-115	S, X	04/29/13 22:12	jk	EPA 625	
Soluble Metals - STL						
Mercury	0.0023 mg/L		04/30/13 12:12	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Antimony	0.090 mg/L		04/30/13 12:25	WPS	EPA 200.7 R4.4	04KS
Copper	0.016 mg/L		04/30/13 12:25	WPS	EPA 200.7 R4.4	04KS
Silver	< 0.0020 mg/L		04/30/13 12:25	WPS	EPA 200.7 R4.4	04KS
Arsenic	0.18 mg/L	Q1	04/30/13 12:25	WPS	EPA 200.7 R4.4	04KS
Beryllium	0.0017 mg/L	C	04/30/13 12:25	WPS	EPA 200.7 R4.4	04KS
Cadmium	0.083 mg/L		04/30/13 12:25	WPS	EPA 200.7 R4.4	04KS
Chromium	0.26 mg/L		04/30/13 12:25	WPS	EPA 200.7 R4.4	04KS
Iron	920 mg/L		05/01/13 15:43	WPS	EPA 200.7 R4.4	04KS
Lead	0.25 mg/L		04/30/13 12:25	WPS	EPA 200.7 R4.4	04KS
Nickel	0.082 mg/L		04/30/13 12:25	WPS	EPA 200.7 R4.4	04KS
Selenium	< 0.010 mg/L		05/01/13 16:03	WPS	EPA 200.7 R4.4	04KS
Thallium	0.027 mg/L		04/30/13 12:25	WPS	EPA 200.7 R4.4	04KS
Zinc	17 mg/L		04/30/13 12:25	WPS	EPA 200.7 R4.4	04KS
Total Metals - STL						
Mercury	0.0074 mg/L		04/30/13 12:12	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Antimony	0.098 mg/L		04/30/13 12:29	WPS	EPA 200.7 R4.4	04KS
Arsenic	0.19 mg/L		04/30/13 12:29	WPS	EPA 200.7 R4.4	04KS
Beryllium	0.0021 mg/L	C	04/30/13 12:29	WPS	EPA 200.7 R4.4	04KS
Cadmium	0.096 mg/L		04/30/13 12:29	WPS	EPA 200.7 R4.4	04KS
Chromium	0.27 mg/L		04/30/13 12:29	WPS	EPA 200.7 R4.4	04KS



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St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 04/25/13 15:25
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Sample No: **3043568-01**

Collect Date: **04/25/13 11:30**

Sample Description: **Treated Commingled MSD 2**

Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Total Metals - STL</u>					
Copper	0.013 mg/L		04/30/13 12:29	WPS	EPA 200.7 R4.4 04KS
Iron	940 mg/L		05/01/13 15:47	WPS	EPA 200.7 R4.4 04KS
Lead	0.20 mg/L		04/30/13 12:29	WPS	EPA 200.7 R4.4 04KS
Nickel	0.087 mg/L		04/30/13 12:29	WPS	EPA 200.7 R4.4 04KS
Selenium	0.022 mg/L		05/01/13 16:07	WPS	EPA 200.7 R4.4 04KS
Silver	0.0028 mg/L		05/01/13 16:07	WPS	EPA 200.7 R4.4 04KS
Thallium	< 0.020 mg/L		04/30/13 12:29	WPS	EPA 200.7 R4.4 04KS
Zinc	17 mg/L		04/30/13 12:29	WPS	EPA 200.7 R4.4 04KS
<u>Volatile Organics - STL</u>					
1,1,1-Trichloroethane	< 100 ug/L		04/30/13 22:06	BP	EPA 624 04KS
1,1,2,2-Tetrachloroethane	< 100 ug/L		04/30/13 22:06	BP	EPA 624 04KS
1,1,2-Trichloroethane	< 100 ug/L		04/30/13 22:06	BP	EPA 624 04KS
1,1-Dichloroethane	< 100 ug/L		04/30/13 22:06	BP	EPA 624 04KS
1,1-Dichloroethene	< 100 ug/L		04/30/13 22:06	BP	EPA 624 04KS
1,2-Dichlorobenzene	< 100 ug/L		04/30/13 22:06	BP	EPA 624 04KS
1,2-Dichloroethane	< 100 ug/L		04/30/13 22:06	BP	EPA 624 04KS
1,2-Dichloropropane	< 100 ug/L		04/30/13 22:06	BP	EPA 624 04KS
1,3-Dichlorobenzene	< 100 ug/L		04/30/13 22:06	BP	EPA 624 04KS
1,4-Dichlorobenzene	110 ug/L		04/30/13 22:06	BP	EPA 624 04KS
2-Chloroethylvinyl ether	< 100 ug/L		04/30/13 22:06	BP	EPA 624 04KS
Acrolein	< 500 ug/L		04/30/13 22:06	BP	EPA 624 04KS
Acrylonitrile	< 200 ug/L		04/30/13 22:06	BP	EPA 624 04KS
Benzene	< 100 ug/L		04/30/13 22:06	BP	EPA 624 04KS
Bromodichloromethane	< 100 ug/L		04/30/13 22:06	BP	EPA 624 04KS
Bromoform	< 100 ug/L		04/30/13 22:06	BP	EPA 624 04KS
Bromomethane	< 200 ug/L		04/30/13 22:06	BP	EPA 624 04KS
Carbon tetrachloride	< 100 ug/L		04/30/13 22:06	BP	EPA 624 04KS
Chlorobenzene	< 100 ug/L		04/30/13 22:06	BP	EPA 624 04KS
Chloroethane	< 200 ug/L		04/30/13 22:06	BP	EPA 624 04KS
Chloroform	< 100 ug/L		04/30/13 22:06	BP	EPA 624 04KS
Chloromethane	< 200 ug/L		04/30/13 22:06	BP	EPA 624 04KS
cis-1,3-Dichloropropene	< 100 ug/L		04/30/13 22:06	BP	EPA 624 04KS
Dibromochloromethane	< 100 ug/L		04/30/13 22:06	BP	EPA 624 04KS



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

Date Received: 04/25/13 15:25
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Sample No: **3043568-01**
Sample Description: **Treated Commingled MSD 2**

Collect Date: **04/25/13 11:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
Ethylbenzene	< 100 ug/L		04/30/13 22:06	BP	EPA 624 04KS
m,p-Xylene	< 200 ug/L		04/30/13 22:06	BP	EPA 624*
Methylene chloride	< 100 ug/L		04/30/13 22:06	BP	EPA 624 04KS
o-Xylene	< 100 ug/L		04/30/13 22:06	BP	EPA 624*
Tetrachloroethene	< 100 ug/L		04/30/13 22:06	BP	EPA 624 04KS
Toluene	< 100 ug/L		04/30/13 22:06	BP	EPA 624 04KS
trans-1,2-Dichloroethene	< 100 ug/L		04/30/13 22:06	BP	EPA 624 04KS
trans-1,3-Dichloropropene	< 100 ug/L		04/30/13 22:06	BP	EPA 624 04KS
Trichloroethene	< 100 ug/L		04/30/13 22:06	BP	EPA 624 04KS
Trichlorofluoromethane	< 100 ug/L		04/30/13 22:06	BP	EPA 624 04KS
Vinyl chloride	< 100 ug/L		04/30/13 22:06	BP	EPA 624 04KS
Surrogate: 1,2-Dichloroethane-d4	99 % 65-134		04/30/13 22:06	BP	EPA 624
Surrogate: Toluene-d8	94 % 74.2-117		04/30/13 22:06	BP	EPA 624
Surrogate: Bromofluorobenzene	107 % 74.1-125		04/30/13 22:06	BP	EPA 624

Sample No: **3043568-01RE1**
Sample Description: **Treated Commingled MSD 2**

Collect Date: **04/25/13 11:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
Acetone	53000 ug/L		05/04/13 00:01	BP	EPA 624*
Surrogate: 1,2-Dichloroethane-d4	111 % 65-134		05/04/13 00:01	BP	EPA 624
Surrogate: Toluene-d8	105 % 74.2-117		05/04/13 00:01	BP	EPA 624
Surrogate: Bromofluorobenzene	104 % 74.1-125		05/04/13 00:01	BP	EPA 624



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Attn: Ed Galbraith

Date Received: 04/25/13 15:25
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

General Chemistry - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306538 - 04-No Prep WC								
Blank (B306538-BLK1)			Prepared & Analyzed: 04/25/13					
COD	< 100	mg/L						
Blank (B306538-BLK2)			Prepared & Analyzed: 04/25/13					
COD	< 5.0	mg/L						
LCS (B306538-BS1)			Prepared & Analyzed: 04/25/13					
COD	506	mg/L	500.0		101	95-105		
LCS (B306538-BS2)			Prepared & Analyzed: 04/25/13					
COD	97.8	mg/L	100.0		98	95-105		
Duplicate (B306538-DUP1)			Prepared & Analyzed: 04/25/13					
COD	2010	mg/L		2000			0.9	20
Duplicate (B306538-DUP2)			Prepared & Analyzed: 04/25/13					
COD	33.7	mg/L		32.7			3	20
Batch B306610 - 04-No Prep WC								
Blank (B306610-BLK1)			Prepared & Analyzed: 04/26/13					
BOD	C, Xa < 6.0	mg/L						
LCS (B306610-BS1)			Prepared & Analyzed: 04/26/13					
BOD	C, Xa 148	mg/L	198.0		75	34.6-115.4		
Duplicate (B306610-DUP1)			Prepared & Analyzed: 04/26/13					
BOD	C, Xa < 6.0	mg/L		ND				20
Duplicate (B306610-DUP2)			Prepared & Analyzed: 04/26/13					
BOD	C, Xa 986	mg/L		1010			3	20
Batch B306616 - 04-No Prep WC								
Blank (B306616-BLK1)			Prepared & Analyzed: 04/26/13					
Oil & Grease - total	< 5.0	mg/L						
LCS (B306616-BS1)			Prepared & Analyzed: 04/26/13					
Oil & Grease - total	39.1	mg/L	40.00		98	78-114		
LCS Dup (B306616-BS1)			Prepared & Analyzed: 04/26/13					
Oil & Grease - total	39.3	mg/L	40.00		98	78-114	0.5	18
Batch B306628 - 04-No Prep WC								
Blank (B306628-BLK1)			Prepared & Analyzed: 04/26/13					
Solids - total suspended solids (TSS)	< 2.0	mg/L						
LCS (B306628-BS1)			Prepared & Analyzed: 04/26/13					



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Date Received: 04/25/13 15:25
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Customer #: 277310

Laboratory Results

General Chemistry - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306628 - 04-No Prep WC								
LCS (B306628-BS1)			Prepared & Analyzed: 04/26/13					
Solids - total suspended solids (TSS)	103	mg/L	100.0		103	82.9-110		
Duplicate (B306628-DUP1)			Source: 3043290-01 Prepared & Analyzed: 04/26/13					
Solids - total suspended solids (TSS)	19.2	mg/L		19.2			0	5
Duplicate (B306628-DUP2)			Source: 3043372-01 Prepared & Analyzed: 04/26/13					
Solids - total suspended solids (TSS)	63.2	mg/L		61.2			3	5
Batch B306632 - 04-No Prep WC								
Duplicate (B306632-DUP1)			Source: 3043439-01 Prepared & Analyzed: 04/25/13					
pH	8.19	pH Units		8.15			0.5	10

Nutrients - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306701 - 04-No Prep WC								
Blank (B306701-BLK1)			Prepared & Analyzed: 04/26/13					
Ammonia-N	< 0.010	mg/L						
LCS (B306701-BS1)			Prepared & Analyzed: 04/26/13					
Ammonia-N	10.0	mg/L	10.00		100	80-120		
Matrix Spike (B306701-MS1)			Source: 3043422-01 Prepared & Analyzed: 04/26/13					
Ammonia-N	20.5	mg/L	10.00	11.2	93	80-120		
Matrix Spike Dup (B306701-MSD1)			Source: 3043422-01 Prepared & Analyzed: 04/26/13					
Ammonia-N	20.7	mg/L	10.00	11.2	95	80-120	1	20

Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306769 - 04 EPA 200.2 R2.8								
Blank (B306769-BLK1)			Prepared: 04/29/13 Analyzed: 04/30/13					
Antimony	< 0.010	mg/L						
Arsenic	< 0.015	mg/L						
Beryllium	< 0.0010	mg/L						
Cadmium	< 0.0020	mg/L						
Chromium	< 0.0020	mg/L						



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Laboratory Results

Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306769 - 04 EPA 200.2 R2.8								
Blank (B306769-BLK1)			Prepared: 04/29/13 Analyzed: 04/30/13					
Copper	< 0.0020	mg/L						
Iron	< 0.010	mg/L						
Lead	< 0.010	mg/L						
Nickel	< 0.0020	mg/L						
Selenium	< 0.010	mg/L						
Silver	< 0.0020	mg/L						
Thallium	< 0.020	mg/L						
Zinc	< 0.010	mg/L						
LCS (B306769-BS1)			Prepared: 04/29/13 Analyzed: 04/30/13					
Antimony	0.105	mg/L	0.1000		105	85-115		
Arsenic	0.110	mg/L	0.1000		110	85-115		
Beryllium	0.124	mg/L	0.1000	C	124	85-115		
Cadmium	0.112	mg/L	0.1000		112	85-115		
Chromium	0.113	mg/L	0.1000		113	85-115		
Copper	0.114	mg/L	0.1000		114	85-115		
Iron	0.110	mg/L	0.1000		110	85-115		
Lead	0.110	mg/L	0.1000		110	85-115		
Nickel	0.113	mg/L	0.1000		113	85-115		
Selenium	0.103	mg/L	0.1000		103	85-115		
Silver	0.0264	mg/L	0.02500		106	85-115		
Thallium	0.109	mg/L	0.1000		109	85-115		
Zinc	0.114	mg/L	0.1000		114	85-115		
Matrix Spike (B306769-MS1)			Source: 3043612-01		Prepared: 04/29/13 Analyzed: 05/01/13			
Antimony	Q2	0.129	mg/L	0.1000	ND	129	70-130	
Arsenic	Q1	0.137	mg/L	0.1000	ND	137	70-130	
Beryllium	Q3	0.137	mg/L	0.1000	ND	137	70-130	
Cadmium		0.116	mg/L	0.1000	ND	116	70-130	
Chromium		0.435	mg/L	0.1000	0.315	120	70-130	
Copper		0.127	mg/L	0.1000	0.0146	112	70-130	
Iron		0.141	mg/L	0.1000	0.0255	115	70-130	
Lead		0.111	mg/L	0.1000	0.00327	107	70-130	
Nickel		0.361	mg/L	0.1000	0.246	115	70-130	
Selenium		0.127	mg/L	0.1000	0.00538	122	70-130	
Silver		0.0289	mg/L	0.02500	ND	116	70-130	
Thallium		0.0916	mg/L	0.1000	ND	92	70-130	
Zinc	Q4	0.977	mg/L	0.1000	0.837	140	70-130	
Matrix Spike Dup (B306769-MSD1)			Source: 3043612-01		Prepared: 04/29/13 Analyzed: 05/01/13			
Antimony	Q2	0.131	mg/L	0.1000	ND	131	70-130	2 20



PDC Laboratories, Inc.

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

Date Received: 04/25/13 15:25
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306769 - 04 EPA 200.2 R2.8								
Matrix Spike Dup (B306769-MSD1)		Source: 3043612-01		Prepared: 04/29/13 Analyzed: 05/01/13				
Arsenic	0.129	mg/L	0.1000	ND	129	70-130	6	20
Beryllium	Q3 0.134	mg/L	0.1000	ND	134	70-130	3	20
Cadmium	0.113	mg/L	0.1000	ND	113	70-130	2	20
Chromium	0.429	mg/L	0.1000	0.315	115	70-130	1	20
Copper	0.124	mg/L	0.1000	0.0146	109	70-130	2	20
Iron	0.137	mg/L	0.1000	0.0255	112	70-130	2	20
Lead	0.108	mg/L	0.1000	0.00327	104	70-130	3	20
Nickel	0.353	mg/L	0.1000	0.246	107	70-130	2	20
Selenium	0.131	mg/L	0.1000	0.00538	126	70-130	3	20
Silver	0.0278	mg/L	0.02500	ND	111	70-130	4	20
Thallium	0.0932	mg/L	0.1000	ND	93	70-130	2	20
Zinc	Q4 0.962	mg/L	0.1000	0.837	126	70-130	1	20

Batch B306791 - 04-SW 7470A/245.1

Blank (B306791-BLK1)		Prepared & Analyzed: 04/30/13						
Mercury	< 0.0002	mg/L						
Blank (B306791-BLK2)		Prepared & Analyzed: 04/30/13						
Mercury	< 0.0002	mg/L						
Blank (B306791-BLK3)		Prepared & Analyzed: 04/30/13						
Mercury	< 0.0002	mg/L						
LCS (B306791-BS1)		Prepared & Analyzed: 04/30/13						
Mercury	0.00210	mg/L	0.002000		105	85-115		
Matrix Spike (B306791-MS1)		Source: 3043141-03		Prepared & Analyzed: 04/30/13				
Mercury	0.00220	mg/L	0.002000	ND	110	70-130		
Matrix Spike (B306791-MS2)		Source: 3043390-06		Prepared & Analyzed: 04/30/13				
Mercury	Q4 < 0.0002	mg/L	0.002000	1.12	NR	70-130		
Matrix Spike (B306791-MS3)		Source: 3043653-01		Prepared & Analyzed: 04/30/13				
Mercury	0.00402	mg/L	0.002000	0.00176	113	70-130		
Matrix Spike Dup (B306791-MSD1)		Source: 3043141-03		Prepared & Analyzed: 04/30/13				
Mercury	0.00220	mg/L	0.002000	ND	110	70-130	0	20

Soluble Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306769 - 04 EPA 200.2 R2.8								



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St. Louis, MO 63044
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Date Received: 04/25/13 15:25
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Soluble Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306769 - 04 EPA 200.2 R2.8								
Blank (B306769-BLK2)			Prepared: 04/29/13 Analyzed: 04/30/13					
Silver	< 0.0020	mg/L						
Antimony	< 0.010	mg/L						
Copper	< 0.0020	mg/L						
Arsenic	< 0.015	mg/L						
Beryllium	< 0.0010	mg/L						
Cadmium	< 0.0020	mg/L						
Chromium	< 0.0020	mg/L						
Iron	< 0.010	mg/L						
Lead	< 0.010	mg/L						
Nickel	< 0.0020	mg/L						
Selenium	< 0.010	mg/L						
Thallium	< 0.020	mg/L						
Zinc	< 0.010	mg/L						
LCS (B306769-BS1)			Prepared: 04/29/13 Analyzed: 04/30/13					
Silver	0.0264	mg/L	0.02500		106	85-115		
Copper	0.114	mg/L	0.1000		114	85-115		
Antimony	0.105	mg/L	0.1000		105	85-115		
Arsenic	0.110	mg/L	0.1000		110	85-115		
Beryllium	C 0.124	mg/L	0.1000		124	85-115		
Cadmium	0.112	mg/L	0.1000		112	85-115		
Chromium	0.113	mg/L	0.1000		113	85-115		
Iron	0.110	mg/L	0.1000		110	85-115		
Lead	0.110	mg/L	0.1000		110	85-115		
Nickel	0.113	mg/L	0.1000		113	85-115		
Selenium	0.103	mg/L	0.1000		103	85-115		
Thallium	0.109	mg/L	0.1000		109	85-115		
Zinc	0.114	mg/L	0.1000		114	85-115		
Matrix Spike (B306769-MS1)			Source: 3043612-01			Prepared: 04/29/13 Analyzed: 05/01/13		
Copper	0.127	mg/L	0.1000	0.0146	112	70-130		
Silver	0.0289	mg/L	0.02500	ND	116	70-130		
Antimony	0.129	mg/L	0.1000	ND	129	70-130		
Arsenic	Q1 0.137	mg/L	0.1000	ND	137	70-130		
Beryllium	Q3 0.137	mg/L	0.1000	ND	137	70-130		
Cadmium	0.116	mg/L	0.1000	ND	116	70-130		
Chromium	0.435	mg/L	0.1000	0.315	120	70-130		
Iron	0.141	mg/L	0.1000	0.0255	115	70-130		
Lead	0.111	mg/L	0.1000	0.00327	107	70-130		
Nickel	0.361	mg/L	0.1000	0.246	115	70-130		
Selenium	0.127	mg/L	0.1000	0.00538	122	70-130		



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St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 04/25/13 15:25
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Soluble Metals - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306769 - 04 EPA 200.2 R2.8									
Matrix Spike (B306769-MS1)		Source: 3043612-01		Prepared: 04/29/13 Analyzed: 05/01/13					
Thallium		0.0916	mg/L	0.1000	ND	92	70-130		
Zinc	Q4	0.977	mg/L	0.1000	0.837	140	70-130		
Matrix Spike Dup (B306769-MSD1)		Source: 3043612-01		Prepared: 04/29/13 Analyzed: 05/01/13					
Antimony	Q2	0.131	mg/L	0.1000	ND	131	70-130	2	20
Silver		0.0278	mg/L	0.02500	ND	111	70-130	4	20
Copper		0.124	mg/L	0.1000	0.0146	109	70-130	2	20
Arsenic		0.129	mg/L	0.1000	ND	129	70-130	6	20
Beryllium	Q3	0.134	mg/L	0.1000	ND	134	70-130	3	20
Cadmium		0.113	mg/L	0.1000	ND	113	70-130	2	20
Chromium		0.429	mg/L	0.1000	0.315	115	70-130	1	20
Iron		0.137	mg/L	0.1000	0.0255	112	70-130	2	20
Lead		0.108	mg/L	0.1000	0.00327	104	70-130	3	20
Nickel		0.353	mg/L	0.1000	0.246	107	70-130	2	20
Selenium		0.131	mg/L	0.1000	0.00538	126	70-130	3	20
Thallium		0.0932	mg/L	0.1000	ND	93	70-130	2	20
Zinc	Q4	0.962	mg/L	0.1000	0.837	126	70-130	1	20
Batch B306791 - 04-SW 7470A/245.1									
Blank (B306791-BLK1)				Prepared & Analyzed: 04/30/13					
Mercury		< 0.0002	mg/L						
Blank (B306791-BLK2)				Prepared & Analyzed: 04/30/13					
Mercury		< 0.0002	mg/L						
Blank (B306791-BLK3)				Prepared & Analyzed: 04/30/13					
Mercury		< 0.0002	mg/L						
LCS (B306791-BS1)				Prepared & Analyzed: 04/30/13					
Mercury		0.00210	mg/L	0.002000		105	85-115		
Matrix Spike (B306791-MS1)		Source: 3043141-03		Prepared & Analyzed: 04/30/13					
Mercury		0.00220	mg/L	0.002000	ND	110	70-130		
Matrix Spike (B306791-MS2)		Source: 3043390-06		Prepared & Analyzed: 04/30/13					
Mercury	Q4	< 0.0002	mg/L	0.002000	1.12	NR	70-130		
Matrix Spike (B306791-MS3)		Source: 3043653-01		Prepared & Analyzed: 04/30/13					
Mercury		0.00402	mg/L	0.002000	0.00176	113	70-130		
Matrix Spike Dup (B306791-MSD1)		Source: 3043141-03		Prepared & Analyzed: 04/30/13					
Mercury		0.00220	mg/L	0.002000	ND	110	70-130	0	20



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Bridgeton Landfill
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Attn: Ed Galbraith

Date Received: 04/25/13 15:25
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306854 - 04-No Prep VOA								
Blank (B306854-BLK1)			Prepared & Analyzed: 04/30/13					
1,1,1-Trichloroethane	< 5.0	ug/L						
1,1,1,2-Tetrachloroethane	< 5.0	ug/L						
1,1,2-Trichloroethane	< 5.0	ug/L						
1,1-Dichloroethane	< 5.0	ug/L						
1,1-Dichloroethene	< 5.0	ug/L						
1,2-Dichlorobenzene	< 5.0	ug/L						
1,2-Dichloroethane	< 5.0	ug/L						
1,2-Dichloropropane	< 5.0	ug/L						
1,3-Dichlorobenzene	< 5.0	ug/L						
1,4-Dichlorobenzene	< 5.0	ug/L						
2-Chloroethylvinyl ether	< 5.0	ug/L						
Acetone	< 10	ug/L						
Acrolein	< 25	ug/L						
Acrylonitrile	< 10	ug/L						
Benzene	< 5.0	ug/L						
Bromodichloromethane	< 5.0	ug/L						
Bromoform	< 5.0	ug/L						
Bromomethane	< 10	ug/L						
Carbon tetrachloride	< 5.0	ug/L						
Chlorobenzene	< 5.0	ug/L						
Chloroethane	< 10	ug/L						
Chloroform	< 5.0	ug/L						
Chloromethane	< 10	ug/L						
cis-1,3-Dichloropropene	< 5.0	ug/L						
Dibromochloromethane	< 5.0	ug/L						
Ethylbenzene	< 5.0	ug/L						
m,p-Xylene	< 10	ug/L						
Methylene chloride	< 5.0	ug/L						
o-Xylene	< 5.0	ug/L						
Tetrachloroethene	< 5.0	ug/L						
Toluene	< 5.0	ug/L						
trans-1,2-Dichloroethene	< 5.0	ug/L						
trans-1,3-Dichloropropene	< 5.0	ug/L						
Trichloroethene	< 5.0	ug/L						
Trichlorofluoromethane	< 5.0	ug/L						
Vinyl chloride	< 5.0	ug/L						
Surrogate: 1,2-Dichloroethane-d4	35.0	ug/L	30.00		117	65-134		
Surrogate: Toluene-d8	29.3	ug/L	30.00		98	74.2-117		
Surrogate: Bromofluorobenzene	30.0	ug/L	30.00		100	74.1-125		



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

Date Received: 04/25/13 15:25
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306854 - 04-No Prep VOA								
LCS (B306854-BS1)			Prepared & Analyzed: 04/30/13					
1,1,1-Trichloroethane	18.5	ug/L	20.00		93	76-131		
1,1,2,2-Tetrachloroethane	18.6	ug/L	20.00		93	79-126		
1,1,2-Trichloroethane	19.5	ug/L	20.00		98	79-123		
1,1-Dichloroethane	20.8	ug/L	20.00		104	74-133		
1,1-Dichloroethene	19.4	ug/L	20.00		97	71-135		
1,2-Dichlorobenzene	19.1	ug/L	20.00		95	76-113		
1,2-Dichloroethane	21.5	ug/L	20.00		107	80-135		
1,2-Dichloropropane	20.2	ug/L	20.00		101	78-127		
1,3-Dichlorobenzene	19.5	ug/L	20.00		98	82-119		
1,4-Dichlorobenzene	18.7	ug/L	20.00		94	78-118		
2-Chloroethylvinyl ether	18.5	ug/L	20.00		93	66-138		
Acrolein	76.7	ug/L	100.0		77	38-156		
Acrylonitrile	17.8	ug/L	20.00		89	43-121		
Benzene	19.0	ug/L	20.00		95	84-114		
Bromodichloromethane	18.8	ug/L	20.00		94	82-116		
Bromoform	19.2	ug/L	20.00		96	65-115		
Bromomethane	17.6	ug/L	20.00		88	28-143		
Carbon tetrachloride	18.9	ug/L	20.00		94	72-131		
Chlorobenzene	18.7	ug/L	20.00		94	82-112		
Chloroethane	16.4	ug/L	20.00		82	41-126		
Chloroform	18.3	ug/L	20.00		91	78-124		
Chloromethane	15.5	ug/L	20.00		77	52-110		
cis-1,3-Dichloropropene	18.4	ug/L	20.00		92	82-116		
Dibromochloromethane	19.0	ug/L	20.00		95	83-119		
Ethylbenzene	19.6	ug/L	20.00		98	85-118		
m,p-Xylene	37.9	ug/L	40.00		95	80-111		
Methylene chloride	20.4	ug/L	20.00		102	78-140		
o-Xylene	19.1	ug/L	20.00		95	81-111		
Tetrachloroethene	20.9	ug/L	20.00		105	65-135		
Toluene	19.3	ug/L	20.00		97	81-120		
trans-1,2-Dichloroethene	18.5	ug/L	20.00		93	70-136		
trans-1,3-Dichloropropene	17.7	ug/L	20.00		89	82-113		
Trichloroethene	20.1	ug/L	20.00		101	84-125		
Trichlorofluoromethane	20.7	ug/L	20.00		104	70-138		
Vinyl chloride	19.5	ug/L	20.00		98	56-112		
Surrogate: 1,2-Dichloroethane-d4	33.9	ug/L	30.00		113	65.3-134		
Surrogate: Toluene-d8	30.1	ug/L	30.00		100	73.2-119		
Surrogate: Bromofluorobenzene	30.9	ug/L	30.00		103	77.8-123		
Matrix Spike (B306854-MS1)	Source: 3043570-02		Prepared & Analyzed: 04/30/13					



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St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 04/25/13 15:25
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306854 - 04-No Prep VOA								
Matrix Spike (B306854-MS1)		Source: 3043570-02		Prepared & Analyzed: 04/30/13				
1,1,1-Trichloroethane	18.2	ug/L	20.00	ND	91	58-143		
1,1,2,2-Tetrachloroethane	20.3	ug/L	20.00	ND	102	70-133		
1,1,2-Trichloroethane	18.8	ug/L	20.00	ND	94	73-130		
1,1-Dichloroethane	20.6	ug/L	20.00	ND	103	55-146		
1,1-Dichloroethene	19.5	ug/L	20.00	ND	97	51-150		
1,2-Dichlorobenzene	19.8	ug/L	20.00	ND	99	62-120		
1,2-Dichloroethane	20.1	ug/L	20.00	ND	101	67-143		
1,2-Dichloropropane	19.5	ug/L	20.00	ND	97	66-134		
1,3-Dichlorobenzene	20.6	ug/L	20.00	ND	103	67-124		
1,4-Dichlorobenzene	19.1	ug/L	20.00	ND	95	66-123		
Acrolein	57.7	ug/L	100.0	ND	58	14-156		
Acrylonitrile	19.0	ug/L	20.00	ND	95	46-116		
Benzene	18.5	ug/L	20.00	ND	93	69-126		
Bromodichloromethane	19.7	ug/L	20.00	ND	99	67-128		
Bromoform	20.5	ug/L	20.00	ND	103	42-132		
Bromomethane	29.2	ug/L	20.00	20.0	46	5-138		
Carbon tetrachloride	19.8	ug/L	20.00	ND	99	53-151		
Chlorobenzene	18.3	ug/L	20.00	ND	91	67-124		
Chloroethane	13.9	ug/L	20.00	ND	70	35-123		
Chloroform	18.5	ug/L	20.00	ND	93	41-155		
Chloromethane	11.3	ug/L	20.00	ND	56	39-120		
cis-1,3-Dichloropropene	18.9	ug/L	20.00	ND	94	68-126		
Dibromochloromethane	19.7	ug/L	20.00	ND	99	68-131		
Ethylbenzene	19.2	ug/L	20.00	ND	96	68-128		
m,p-Xylene	36.5	ug/L	40.00	ND	91	64-122		
Methylene chloride	23.3	ug/L	20.00	ND	117	70-150		
o-Xylene	18.4	ug/L	20.00	ND	92	65-122		
Tetrachloroethene	14.5	ug/L	20.00	ND	73	42-132		
Toluene	18.6	ug/L	20.00	ND	93	64-137		
trans-1,2-Dichloroethene	Q1 9.65	ug/L	20.00	ND	48	57-145		
trans-1,3-Dichloropropene	17.5	ug/L	20.00	ND	87	66-121		
Trichloroethene	19.2	ug/L	20.00	ND	96	69-131		
Trichlorofluoromethane	18.1	ug/L	20.00	ND	90	36-162		
Vinyl chloride	14.3	ug/L	20.00	ND	71	24-137		
Surrogate: 1,2-Dichloroethane-d4	35.6	ug/L	30.00		119	63.3-137		
Surrogate: Toluene-d8	30.8	ug/L	30.00		103	71-122		
Surrogate: Bromofluorobenzene	30.3	ug/L	30.00		101	74.6-123		
Matrix Spike Dup (B306854-MSD1)		Source: 3043570-02		Prepared & Analyzed: 04/30/13				
1,1,1-Trichloroethane	16.2	ug/L	20.00	ND	81	58-143	12	40



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Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306854 - 04-No Prep VOA								
Matrix Spike Dup (B306854-MSD1)	Source: 3043570-02		Prepared & Analyzed: 04/30/13					
1,1,2,2-Tetrachloroethane	17.0	ug/L	20.00	ND	85	70-133	17	40
1,1,2-Trichloroethane	16.7	ug/L	20.00	ND	84	73-130	12	40
1,1-Dichloroethane	19.6	ug/L	20.00	ND	98	55-146	5	40
1,1-Dichloroethene	17.8	ug/L	20.00	ND	89	51-150	9	40
1,2-Dichlorobenzene	16.8	ug/L	20.00	ND	84	62-120	17	40
1,2-Dichloroethane	18.5	ug/L	20.00	ND	93	67-143	8	40
1,2-Dichloropropane	16.8	ug/L	20.00	ND	84	66-134	15	40
1,3-Dichlorobenzene	18.6	ug/L	20.00	ND	93	67-124	10	40
1,4-Dichlorobenzene	17.2	ug/L	20.00	ND	86	66-123	10	40
Acrolein	52.0	ug/L	100.0	ND	52	14-156	10	40
Acrylonitrile	16.4	ug/L	20.00	ND	82	46-116	15	40
Benzene	15.9	ug/L	20.00	ND	80	69-126	15	40
Bromodichloromethane	17.4	ug/L	20.00	ND	87	67-128	13	40
Bromoform	18.0	ug/L	20.00	ND	90	42-132	13	40
Bromomethane	27.2	ug/L	20.00	20.0	36	5-138	7	40
Carbon tetrachloride	18.1	ug/L	20.00	ND	90	53-151	9	40
Chlorobenzene	16.0	ug/L	20.00	ND	80	67-124	13	40
Chloroethane	13.3	ug/L	20.00	ND	67	35-123	4	40
Chloroform	17.5	ug/L	20.00	ND	88	41-155	5	40
Chloromethane	9.58	ug/L	20.00	ND	48	39-120	16	40
cis-1,3-Dichloropropene	17.4	ug/L	20.00	ND	87	68-126	8	40
Dibromochloromethane	16.8	ug/L	20.00	ND	84	68-131	16	40
Ethylbenzene	16.4	ug/L	20.00	ND	82	68-128	16	40
m,p-Xylene	31.8	ug/L	40.00	ND	80	64-122	14	40
Methylene chloride	20.8	ug/L	20.00	ND	104	70-150	11	40
o-Xylene	15.8	ug/L	20.00	ND	79	65-122	15	40
Tetrachloroethene	12.7	ug/L	20.00	ND	64	42-132	13	40
Toluene	16.2	ug/L	20.00	ND	81	64-137	13	40
trans-1,2-Dichloroethene	11.7	ug/L	20.00	ND	59	57-145	19	40
trans-1,3-Dichloropropene	15.6	ug/L	20.00	ND	78	66-121	11	40
Trichloroethene	16.6	ug/L	20.00	ND	83	69-131	15	40
Trichlorofluoromethane	17.4	ug/L	20.00	ND	87	36-162	4	40
Vinyl chloride	13.1	ug/L	20.00	ND	65	24-137	9	40
Surrogate: 1,2-Dichloroethane-d4	29.8	ug/L	30.00		99	63.3-137		
Surrogate: Toluene-d8	26.3	ug/L	30.00		88	71-122		
Surrogate: Bromofluorobenzene	26.6	ug/L	30.00		89	74.6-123		

Batch B307057 - 04-No Prep VOA

Blank (B307057-BLK1)	Prepared & Analyzed: 05/03/13							
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3043568



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

Date Received: 04/25/13 15:25
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

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



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St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 04/25/13 15:25
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

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



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Date Received: 04/25/13 15:25
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

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



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

Date Received: 04/25/13 15:25
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306625 - 04 SW 3510 (625/8270)								
Blank (B306625-BLK1)			Prepared & Analyzed: 04/29/13					
1,2,4-Trichlorobenzene	< 10.0	ug/L						
1,2-Dichlorobenzene	< 10.0	ug/L						
1,3-Dichlorobenzene	< 10.0	ug/L						
1,4-Dichlorobenzene	< 10.0	ug/L						
2,4,5-Trichlorophenol	< 10.0	ug/L						
2,4,6-Trichlorophenol	< 10.0	ug/L						
2,4-Dichlorophenol	< 10.0	ug/L						
2,4-Dimethylphenol	< 10.0	ug/L						
2,4-Dinitrophenol	< 10.0	ug/L						
2,4-Dinitrotoluene	< 10.0	ug/L						
2,6-Dimethylaniline	< 5.00	ug/L						
2,6-Dinitrotoluene	< 10.0	ug/L						
2-Chloronaphthalene	< 10.0	ug/L						
2-Chlorophenol	< 10.0	ug/L						
2-Nitrophenol	< 10.0	ug/L						
3,3'-Dichlorobenzidine	< 10.0	ug/L						
4,6-Dinitro-2-methylphenol	< 10.0	ug/L						
4-Bromophenylphenyl ether	< 10.0	ug/L						
4-Chloro-3-methylphenol	< 10.0	ug/L						
4-Chlorophenylphenyl ether	< 10.0	ug/L						
4-Nitrophenol	< 10.0	ug/L						
Acenaphthene	< 10.0	ug/L						
Acenaphthylene	< 10.0	ug/L						
Anthracene	< 10.0	ug/L						
Azobenzene	< 10.0	ug/L						
Benzidine	< 10.0	ug/L						
Benzo(a)anthracene	< 10.0	ug/L						
Benzo(a)pyrene	< 10.0	ug/L						
Benzo(b&k)fluoranthene	< 10.0	ug/L						
Benzo(b)fluoranthene	< 10.0	ug/L						
Benzo(g,h,i)perylene	< 10.0	ug/L						
Benzo(k)fluoranthene	< 10.0	ug/L						
Bis(2-chloroethoxy) methane	< 10.0	ug/L						
Bis(2-chloroethyl) ether	< 10.0	ug/L						
Bis(2-chloroisopropyl) ether	< 10.0	ug/L						
Bis(2-ethylhexyl) phthalate	< 10.0	ug/L						
Butyl benzyl phthalate	< 10.0	ug/L						
Chrysene	< 10.0	ug/L						
Dibenzo(a,h)anthracene	< 10.0	ug/L						



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

Date Received: 04/25/13 15:25
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306625 - 04 SW 3510 (625/8270)								
Blank (B306625-BLK1)			Prepared & Analyzed: 04/29/13					
Diethyl phthalate	< 10.0	ug/L						
Dimethyl phthalate	< 10.0	ug/L						
Di-n-butyl phthalate	< 10.0	ug/L						
Di-n-octyl phthalate	< 10.0	ug/L						
Diphenylamine	< 10.0	ug/L						
Fluoranthene	< 10.0	ug/L						
Fluorene	< 10.0	ug/L						
Hexachlorobenzene	< 10.0	ug/L						
Hexachlorobutadiene	< 10.0	ug/L						
Hexachlorocyclopentadiene	< 10.0	ug/L						
Hexachloroethane	< 10.0	ug/L						
Indeno(1,2,3-cd)pyrene	< 10.0	ug/L						
Isophorone	< 10.0	ug/L						
Naphthalene	< 10.0	ug/L						
Nitrobenzene	< 10.0	ug/L						
N-Nitrosodimethylamine	< 10.0	ug/L						
N-Nitrosodi-n-propylamine	< 10.0	ug/L						
Pentachlorophenol	< 10.0	ug/L						
Phenanthrene	< 10.0	ug/L						
Phenol	< 10.0	ug/L						
Pyrene	< 10.0	ug/L						
1,4-Dichlorobenzene-d4	40	ug/L				0-200		
Naphthalene-d8	40	ug/L				0-200		
Acenaphthene-d10	40	ug/L				0-200		
Phenanthrene-d10	40	ug/L				0-200		
Chrysene-d12	40	ug/L				0-200		
Perylene-d12	40	ug/L				0-200		
Surrogate: 2-Fluorophenol	56	ug/L	80.00		70	52.2-99.4		
Surrogate: Phenol- d5	58	ug/L	80.00		72	56.8-100		
Surrogate: Nitrobenzene-d5	57	ug/L	80.00		71	62.4-112		
Surrogate: 2-Fluorobiphenyl	60	ug/L	80.00		74	58-107		
Surrogate: 2,4,6-Tribromophenol	61	ug/L	80.00		77	37.6-118		
Surrogate: p-Terphenyl-d14	57	ug/L	80.00		72	42.1-123		
LCS (B306625-BS1)			Prepared & Analyzed: 04/29/13					
1,2,4-Trichlorobenzene	51	ug/L	80.00		64	56-88		
1,2-Dichlorobenzene	52	ug/L	80.00		65	56-86		
1,3-Dichlorobenzene	50	ug/L	80.00		62	54-84		
1,4-Dichlorobenzene	51	ug/L	80.00		63	55-87		
2,4,5-Trichlorophenol	60	ug/L	80.00		75	54-107		



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Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306625 - 04 SW 3510 (625/8270)								
LCS (B306625-BS1)			Prepared & Analyzed: 04/29/13					
2,4,6-Trichlorophenol	59	ug/L	80.00		74	53-108		
2,4-Dichlorophenol	55	ug/L	80.00		68	57-100		
2,4-Dimethylphenol	56	ug/L	80.00		69	58-99		
2,4-Dinitrophenol	76	ug/L	80.00		95	41-122		
2,4-Dinitrotoluene	55	ug/L	80.00		68	46-100		
2,6-Dimethylaniline	53	ug/L				56-92		
2,6-Dinitrotoluene	57	ug/L	80.00		71	53-100		
2-Chloronaphthalene	53	ug/L	80.00		66	54-90		
2-Chlorophenol	58	ug/L	80.00		73	59-97		
2-Methylnaphthalene	56	ug/L				51-95		
2-Methylphenol	57	ug/L	80.00		71	56-107		
2-Nitroaniline	54	ug/L				51-97		
2-Nitrophenol	57	ug/L	80.00		71	56-105		
3- & 4-Methylphenol	58	ug/L	80.00		72	56-100		
3,3'-Dichlorobenzidine	68	ug/L	80.00		85	50-107		
3-Nitroaniline	54	ug/L				54-93		
4,6-Dinitro-2-methylphenol	70	ug/L	80.00		87	51-102		
4-Bromophenylphenyl ether	54	ug/L	80.00		68	52-97		
4-Chloro-3-methylphenol	58	ug/L	80.00		72	58-102		
4-Chloroaniline	53	ug/L				59-89		
4-Chlorophenylphenyl ether	54	ug/L	80.00		67	52-98		
4-Nitroaniline	60	ug/L				58-88		
4-Nitrophenol	61	ug/L	80.00		76	47-114		
Acenaphthene	52	ug/L	80.00		65	54-93		
Acenaphthylene	52	ug/L	80.00		65	56-93		
Aniline	52	ug/L				53-96		
Anthracene	53	ug/L	80.00		67	57-94		
Azobenzene	54	ug/L	80.00		67	44-98		
Benzidine	12	ug/L	80.00		15	10-68		
Benzo(a)anthracene	49	ug/L	80.00		61	45-94		
Benzo(a)pyrene	56	ug/L	80.00		70	50-111		
Benzo(b&k)fluoranthene	112	ug/L	160.0		70	52-102		
Benzo(b)fluoranthene	55	ug/L	80.00		69	50-108		
Benzo(g,h,i)perylene	68	ug/L	80.00		84	45-102		
Benzo(k)fluoranthene	62	ug/L	80.00		77	50-98		
Benzoic Acid	84	ug/L	80.00		104	43-117		
Benzyl alcohol	55	ug/L				53-92		
Bis(2-chloroethoxy) methane	48	ug/L	80.00		59	52-89		
Bis(2-chloroethyl) ether	49	ug/L	80.00		61	55-88		



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Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306625 - 04 SW 3510 (625/8270)								
LCS (B306625-BS1)			Prepared & Analyzed: 04/29/13					
Bis(2-chloroisopropyl) ether	47	ug/L	80.00		59	37-81		
Bis(2-ethylhexyl) phthalate	54	ug/L	80.00		68	44-97		
Butyl benzyl phthalate	54	ug/L	80.00		67	44-96		
Carbazole	54	ug/L				57-88		
Chrysene	56	ug/L	80.00		70	50-100		
Dibenzo(a,h)anthracene	65	ug/L	80.00		81	53-99		
Dibenzofuran	55	ug/L				58-91		
Diethyl phthalate	52	ug/L	80.00		65	53-92		
Dimethyl phthalate	55	ug/L	80.00		68	53-93		
Di-n-butyl phthalate	52	ug/L	80.00		65	55-96		
Di-n-octyl phthalate	53	ug/L	80.00		66	42-110		
Diphenylamine	66	ug/L	80.00		82	49-97		
Fluoranthene	54	ug/L	80.00		67	56-92		
Fluorene	53	ug/L	80.00		66	52-97		
Hexachlorobenzene	55	ug/L	80.00		69	51-98		
Hexachlorobutadiene	50	ug/L	80.00		63	54-92		
Hexachlorocyclopentadiene	42	ug/L	80.00		52	27-85		
Hexachloroethane	50	ug/L	80.00		63	56-83		
Indeno(1,2,3-cd)pyrene	65	ug/L	80.00		81	50-106		
Isophorone	47	ug/L	80.00		58	52-85		
Naphthalene	51	ug/L	80.00		64	59-87		
Nitrobenzene	48	ug/L	80.00		60	48-95		
N-Nitrosodimethylamine	43	ug/L	80.00		53	53-90		
N-Nitrosodi-n-propylamine	47	ug/L	80.00		58	47-87		
Pentachlorophenol	71	ug/L	80.00		88	49-128		
Phenanthrene	54	ug/L	80.00		67	55-95		
Phenol	53	ug/L	80.00		67	55-96		
Pyrene	57	ug/L	80.00		71	51-98		
Pyridine	48	ug/L				44-89		
1,4-Dichlorobenzene-d4	40	ug/L				0-200		
Naphthalene-d8	40	ug/L				0-200		
Acenaphthene-d10	40	ug/L				0-200		
Phenanthrene-d10	40	ug/L				0-200		
Chrysene-d12	40	ug/L				0-200		
Perylene-d12	40	ug/L				0-200		
Surrogate: 2-Fluorophenol	51	ug/L	80.00		64	52.2-99.4		
Surrogate: Phenol- d5	52	ug/L	80.00		65	56.8-100		
Surrogate: Nitrobenzene-d5	52	ug/L	80.00		65	62.4-112		
Surrogate: 2-Fluorobiphenyl	56	ug/L	80.00		70	58-107		



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

Date Received: 04/25/13 15:25
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306625 - 04 SW 3510 (625/8270)								
LCS (B306625-BS1)			Prepared & Analyzed: 04/29/13					
Surrogate: 2,4,6-Tribromophenol	60	ug/L	80.00		75	37.6-118		
Surrogate: p-Terphenyl-d14	53	ug/L	80.00		66	42.1-123		
Matrix Spike (B306625-MS1)			Source: 3043568-01			Prepared & Analyzed: 04/29/13		
1,2,4-Trichlorobenzene	X 26	ug/L	80.00	ND	32	36-94		
1,2-Dichlorobenzene	X < 200	ug/L	80.00	ND		17-110		
1,3-Dichlorobenzene	X < 200	ug/L	80.00	ND		27-89		
1,4-Dichlorobenzene	X 38	ug/L	80.00	ND	48	34-87		
2,4,5-Trichlorophenol	X 29	ug/L	80.00	ND	36	15-100		
2,4,6-Trichlorophenol	X 30	ug/L	80.00	ND	37	22-101		
2,4-Dichlorophenol	X 33	ug/L	80.00	ND	42	10-100		
2,4-Dimethylphenol	X < 200	ug/L	80.00	79	NR	10-94		
2,4-Dinitrophenol	X < 200	ug/L	80.00	ND		10-117		
2,4-Dinitrotoluene	X < 200	ug/L	80.00	ND		34-99		
2,6-Dimethylaniline	X 45	ug/L		ND		10-76		
2,6-Dinitrotoluene	X 37	ug/L	80.00	ND	46	39-101		
2-Chloronaphthalene	X 29	ug/L	80.00	ND	37	39-94		
2-Chlorophenol	X < 200	ug/L	80.00	ND		12-79		
2-Methylnaphthalene	X 44	ug/L		ND		38-98		
2-Methylphenol	X 428	ug/L	80.00	413	18	10-98		
2-Nitroaniline	X < 200	ug/L		ND		39-95		
2-Nitrophenol	X < 200	ug/L	80.00	ND		16-102		
3- & 4-Methylphenol	X 1480	ug/L	80.00	1370	137	10-87		
3,3'-Dichlorobenzidine	X < 200	ug/L	80.00	ND		10-112		
3-Nitroaniline	X < 200	ug/L		ND		10-87		
4,6-Dinitro-2-methylphenol	X < 200	ug/L	80.00	ND		10-113		
4-Bromophenylphenyl ether	X 25	ug/L	80.00	ND	32	38-103		
4-Chloro-3-methylphenol	X 88	ug/L	80.00	ND	110	10-90		
4-Chloroaniline	X 20	ug/L		ND		10-75		
4-Chlorophenylphenyl ether	X < 200	ug/L	80.00	ND		40-101		
4-Nitroaniline	X < 200	ug/L		ND		10-104		
4-Nitrophenol	X 143	ug/L	80.00	ND	178	10-72		
Acenaphthene	X 28	ug/L	80.00	ND	34	41-98		
Acenaphthylene	X 24	ug/L	80.00	ND		41-98		
Aniline	X < 200	ug/L		ND		10-81		
Anthracene	X 69	ug/L	80.00	ND	86	40-102		
Azobenzene	X < 200	ug/L	80.00	ND		36-100		
Benzidine	X < 200	ug/L	80.00	ND		10-55		
Benzo(a)anthracene	X < 200	ug/L	80.00	ND		34-99		
Benzo(a)pyrene	X 24	ug/L	80.00	ND	30	39-114		



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St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 04/25/13 15:25
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306625 - 04 SW 3510 (625/8270)								
Matrix Spike (B306625-MS1)	Source: 3043568-01		Prepared & Analyzed: 04/29/13					
Benzo(b&k)fluoranthene	X 49	ug/L	160.0	ND	31	37-112		
Benzo(b)fluoranthene	X < 200	ug/L	80.00	ND		33-128		
Benzo(g,h,i)perylene	X < 200	ug/L	80.00	ND		25-106		
Benzo(k)fluoranthene	X 77	ug/L	80.00	ND	96	33-104		
Benzoic Acid	X 2270	ug/L	80.00	2820	NR	10-62		
Benzyl alcohol	X < 200	ug/L		ND		10-85		
Bis(2-chloroethoxy) methane	X 23	ug/L	80.00	ND	29	28-91		
Bis(2-chloroethyl) ether	X 68	ug/L	80.00	ND	85	10-109		
Bis(2-chloroisopropyl) ether	X < 200	ug/L	80.00	ND		10-105		
Bis(2-ethylhexyl) phthalate	X < 200	ug/L	80.00	ND		32-106		
Butyl benzyl phthalate	X < 200	ug/L	80.00	ND		32-98		
Carbazole	X 39	ug/L		ND		50-97		
Chrysene	X 26	ug/L	80.00	ND	33	40-104		
Dibenzo(a,h)anthracene	X < 200	ug/L	80.00	ND		32-104		
Dibenzofuran	X 31	ug/L		ND		29-117		
Diethyl phthalate	X < 200	ug/L	80.00	ND		36-99		
Dimethyl phthalate	X 26	ug/L	80.00	ND	33	30-94		
Di-n-butyl phthalate	X < 200	ug/L	80.00	ND		42-101		
Di-n-octyl phthalate	X < 200	ug/L	80.00	ND		30-123		
Diphenylamine	X 34	ug/L	80.00	ND	42	23-110		
Fluoranthene	X < 200	ug/L	80.00	ND		39-100		
Fluorene	X < 200	ug/L	80.00	ND		40-100		
Hexachlorobenzene	X < 200	ug/L	80.00	ND		35-104		
Hexachlorobutadiene	X < 200	ug/L	80.00	ND		32-99		
Hexachlorocyclopentadiene	X 129	ug/L	80.00	ND	162	10-90		
Hexachloroethane	X < 200	ug/L	80.00	ND		15-102		
Indeno(1,2,3-cd)pyrene	X 27	ug/L	80.00	ND	34	32-108		
Isophorone	X 51	ug/L	80.00	ND	63	29-85		
Naphthalene	X 65	ug/L	80.00	41	30	38-97		
Nitrobenzene	X 332	ug/L	80.00	295	46	22-102		
N-Nitrosodimethylamine	X < 200	ug/L	80.00	ND		10-60		
N-Nitrosodi-n-propylamine	X 62	ug/L	80.00	ND	78	10-110		
Pentachlorophenol	X 150	ug/L	80.00	ND	188	11-127		
Phenanthrene	X 28	ug/L	80.00	ND	35	39-101		
Phenol	X 3030	ug/L	80.00	3350	NR	10-39		
Pyrene	X 27	ug/L	80.00	ND	34	38-106		
Pyridine	X 69	ug/L		65		10-23		
1,4-Dichlorobenzene-d4	X 800	ug/L				0-200		
Naphthalene-d8	X 800	ug/L				0-200		



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Attn: Ed Galbraith

Date Received: 04/25/13 15:25
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306625 - 04 SW 3510 (625/8270)								
Matrix Spike (B306625-MS1)		Source: 3043568-01		Prepared & Analyzed: 04/29/13				
Acenaphthene-d10	X	800	ug/L			0-200		
Phenanthrene-d10	X	800	ug/L			0-200		
Chrysene-d12	X	800	ug/L			0-200		
Perylene-d12	X	800	ug/L			0-200		
Surrogate: 2-Fluorophenol	S, X	14	ug/L	80.00	18	10-35		
Surrogate: Phenol- d5	S, X	39	ug/L	80.00	48	10-26		
Surrogate: Nitrobenzene-d5	S, X	62	ug/L	80.00	78	22-105		
Surrogate: 2-Fluorobiphenyl	S, X	26	ug/L	80.00	32	30-97		
Surrogate: 2,4,6-Tribromophenol	S, X	12	ug/L	80.00	16	10-93		
Surrogate: p-Terphenyl-d14	S, X	24	ug/L	80.00	30	22-115		



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Laboratory Results

Notes

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

- PIA PDC Laboratories - Peoria, IL
NELAC Accreditation for Drinking Water, Wastewater, Hazardous and Solid Wastes Fields of Testing through IL EPA Lab No. 100230
Illinois Department of Public Health Bacteriological Analysis in Drinking Water Approved Laboratory Registry No. 17553
Drinking Water Certifications: Kansas (E-10338); Missouri (870); Wisconsin (998284430); Indiana (C-IL-040); Iowa (240)
Wastewater Certifications: Arkansas (88-0677); Wisconsin (998284430); Iowa (240); Kansas (E-10335)
Hazardous/Solid Waste Certifications: Arkansas (88-0677); Wisconsin (998284430); Iowa (240); Kansas (E-10335)
UST Certification; Iowa (240)
- SPM PDC Laboratories - Springfield, MO
EPA DMR-QA Program
- STL PDC Laboratories - St. Louis, MO
NELAC Accreditation for Wastewater, Hazardous and Solid Wastes Fields of Testing
Drinking Water Certifications: Kansas (E-10389)

- Xa Polyseed does not meet acceptance criteria/Secondary QC passes
- X Matrix spike diluted below reliable level.
- S Surrogate compound diluted below a reliable quantitation level.
- Q4 The matrix spike recovery result is unusable since the analyte concentration in the sample is greater than four times the spike level. The associated blank spike was acceptable.
- Q3 MS/MSD both failed %R
- Q2 MSD failed %R
- Q1 MS Failed %R
- C The blank spike failed to meet the required acceptance criteria.

Certified by: Roxann Shull, Client Services Supervisor



PDC Laboratories, Inc. – St. Louis
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CHAIN OF CUSTODY RECORD
 Phone (314) 432-0550 or (314) 921-4488
 Fax (314) 432-4977

State where samples collected MO
 (Instructions/Sample Acceptance Policy on Reverse)

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

1 CLIENT Bridgeton L.F. ADDRESS 13570 St. Charles Rock Rd. CITY STATE ZIP Bridgeton, MO CONTACT PERSON Ed Galbraith		PROJECT NUMBER PHONE NUMBER 573 638-5024 FAX NUMBER SAMPLER SCOTT C. FODAK SAMPLER'S SIGNATURE <i>Scott C. Fodak</i>	P.O. NUMBER FAX NUMBER MATRIX TYPES: WW-WASTEWATER DW-DRINKING WATER GW-GROUND WATER WWSL-SLUDGE NAS-SOLID L'CHT-LEACHATE NAL-NONAQUEOUS SOIL-SOILS	3 ANALYSIS REQUESTED COD (410.4 / 6020C) TSS (2540 D) NH ₃ (25 N) (350.1 REA2) pH (50.1) Oil Grease (1001 REA1) VOCs (24) SVOCs (25) Metals (600.3, 335.4 & 245.2)	4 (FOR LAB USE ONLY) LOGIN # 3043568 LOGGED BY: HE LAB PROJ. # TEMPLATE: PROJ. MGR.:
2 SAMPLE DESCRIPTION AS YOU WANT ON REPORT TREATED COMMINGLED MSD 2		DATE COLLECTED 4/25/13 TIME COLLECTED 1130	SAMPLE TYPE X MATRIX TYPE L'CHT	Bottle Count 10	REMARKS
5 TURNAROUND TIME (RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE) NORMAL (8-10 Bus. Days) RUSH (5 Bus. Days) <u>Fastrak™</u> (3 Bus. Days) 1-2 Bus. Days Same Day DATE DUE _____ Note: Results must be reported to MSD within a week.		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. Fodak</i> DATE 4/25/13 TIME 14:35 RECEIVED BY: <i>Hector Gallant</i> DATE 4/25/13 TIME 14:35	
8 COMMENTS: (FOR LAB USE ONLY) SAMPLE TEMPERATURE UPON RECEIPT 0.6°C CHILL PROCESS STARTED PRIOR TO RECEIPT SAMPLE(S) RECEIVED ON ICE PROPER BOTTLES RECEIVED IN GOOD CONDITION BOTTLES FILLED WITH ADEQUATE VOLUME SAMPLES RECEIVED WITHIN HOLD TIME(S) (EXCLUDES TYPICAL FIELD PARAMETERS) DATE AND TIME TAKEN FROM SAMPLE BOTTLE					

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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 LF ADDRESS: 13574 St. Charles Rock Rd. CITY: Bridgeton, MO STATE: MO ZIP: CONTACT PERSON: Ed Galbraith		PROJECT NUMBER P. O. NUMBER MEANS SHIPPED: <u>Delivered</u>	3 ANALYSIS REQUESTED (FOR LAB USE ONLY)	4 (FOR LAB USE ONLY) LOGIN # _____ LOGGED BY: _____ LAB PROJ. # _____ TEMPLATE: _____ PROJ. MGR: _____	
2 SAMPLE DESCRIPTION AS YOU WANT ON REPORT TREATED COMMINGLED MSD 2		PHONE NUMBER: (573) 639-5024 FAX NUMBER: EMAIL ADDRESS: <u>egalbraith@barr.com</u> SAMPLER: <u>Scott C. Fedak</u> SAMPLER'S SIGNATURE: <u>Scott C. Fedak</u> MATRIX TYPES: WW-WASTEWATER DW-DRINKING WATER GW-GROUND WATER WWSL-SLUDGE NAS-SOLID LCH-LEACHATE NAL-NON-AQUEOUS SOIL-SOILS	REMARKS X BOD		
DATE COLLECTED: 4/25/13 TIME COLLECTED: 1134 SAMPLE TYPE: X MATRIX TYPE: L'CAT Bottle Count: 1		TURNAROUND TIME (RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE) NORMAL (8-10 Bus. Days) <u>RUSH (5 Bus. Days)</u> <u>Fastrak™ (3 Bus. Days)</u> 1-2 Bus. Days Same Day DATE DUE: _____ RESULTS BY: E-MAIL FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE			
7 RELINQUISHED BY: (SIGNATURE) <u>Scott C. Fedak</u>		DATE: 4/25/13 TIME: 11:35 RECEIVED BY: <u>Heather Galbraith</u>	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.		
RELINQUISHED BY: (SIGNATURE) RELINQUISHED BY: (SIGNATURE) RELINQUISHED BY: (SIGNATURE)		DATE TIME RECEIVED BY:	8 COMMENTS (FOR LAB USE ONLY) SAMPLE TEMPERATURE UPON RECEIPT _____ °C CHILL PROCESS STARTED PRIOR TO RECEIPT Y OR N SAMPLE(S) RECEIVED ON ICE Y OR N PROPER BOTTLES RECEIVED IN GOOD CONDITION Y OR N BOTTLES FILLED WITH ADEQUATE VOLUME Y OR N SAMPLES RECEIVED WITHIN HOLD TIME(S) Y OR N (EXCLUDES TYPICAL FIELD PARAMETERS) DATE AND TIME TAKEN FROM SAMPLE BOTTLE _____		

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

Date Received: 04/26/13 15:46
Report Date: 05/06/13
Customer #: 277310

Revised Laboratory Results

Sample No: **3043767-01**
Sample Description: **MSD Batch 67**

Collect Date: **04/26/13 13:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
General Chemistry - STL					
COD	48000 mg/L		04/26/13 18:00	DAW	SM 5220D 18Ed 04KS
Oil & Grease - total	29 mg/L		04/29/13 09:00	mep	EPA 1664A 04KS
pH	5.8 pH Units	H	04/26/13 16:00	ACV	SM 4500-H B 04KS 18Ed - EPA 150.1 - SW 9040B
Solids - total suspended solids (TSS)	2900 mg/L		04/29/13 15:10	DAW	SM 2540D 18Ed 04KS
Nutrients - STL					
Ammonia-N	700 mg/L		04/29/13 12:00	ACV	SM(18) 4500 NH3 04KS F
Semivolatile Organics - STL					
1,2,4-Trichlorobenzene	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
1,2-Dichlorobenzene	< 200 ug/L		04/30/13 03:20	jk	EPA 625*
1,3-Dichlorobenzene	< 200 ug/L		04/30/13 03:20	jk	EPA 625*
1,4-Dichlorobenzene	< 200 ug/L		04/30/13 03:20	jk	EPA 625*
2,4,5-Trichlorophenol	< 200 ug/L		04/30/13 03:20	jk	EPA 625*
2,4,6-Trichlorophenol	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
2,4-Dichlorophenol	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
2,4-Dimethylphenol	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
2,4-Dinitrophenol	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
2,4-Dinitrotoluene	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
2,6-Dimethylaniline	< 100 ug/L		04/30/13 03:20	jk	EPA 625*
2,6-Dinitrotoluene	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
2-Chloronaphthalene	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
2-Chlorophenol	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
2-Nitrophenol	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
3,3'-Dichlorobenzidine	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
4,6-Dinitro-2-methylphenol	< 200 ug/L		04/30/13 03:20	jk	EPA 625*
4-Bromophenylphenyl ether	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
4-Chloro-3-methylphenol	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
4-Chlorophenylphenyl ether	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
4-Nitrophenol	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
Acenaphthene	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
Acenaphthylene	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
Anthracene	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS

3043767



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13570 St Charles Rock Road
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Attn: Ed Galbraith

Date Received: 04/26/13 15:46
Report Date: 05/06/13
Customer #: 277310

Revised Laboratory Results

Sample No: **3043767-01**
Sample Description: **MSD Batch 67**

Collect Date: **04/26/13 13:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
Azobenzene	< 200 ug/L		04/30/13 03:20	jk	EPA 625*
Benzidine	< 200 ug/L		04/30/13 03:20	jk	EPA 625*
Benzo(a)anthracene	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
Benzo(a)pyrene	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
Benzo(b&k)fluoranthene	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
Benzo(b)fluoranthene	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
Benzo(g,h,i)perylene	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
Benzo(k)fluoranthene	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
Bis(2-chloroethoxy) methane	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
Bis(2-chloroethyl) ether	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
Bis(2-chloroisopropyl) ether	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
Bis(2-ethylhexyl) phthalate	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
Butyl benzyl phthalate	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
Chrysene	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
Dibenzo(a,h)anthracene	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
Diethyl phthalate	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
Dimethyl phthalate	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
Di-n-butyl phthalate	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
Di-n-octyl phthalate	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
Diphenylamine	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
Fluoranthene	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
Fluorene	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
Hexachlorobenzene	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
Hexachlorobutadiene	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
Hexachlorocyclopentadiene	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
Hexachloroethane	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
Indeno(1,2,3-cd)pyrene	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
Isophorone	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
Naphthalene	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
Nitrobenzene	355 ug/L		04/30/13 03:20	jk	EPA 625 04KS
N-Nitrosodimethylamine	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
N-Nitrosodi-n-propylamine	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
Pentachlorophenol	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS



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

Date Received: 04/26/13 15:46
Report Date: 05/06/13
Customer #: 277310

Revised Laboratory Results

Sample No: **3043767-01**
Sample Description: **MSD Batch 67**

Collect Date: **04/26/13 13:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Semivolatile Organics - STL</u>					
Phenanthrene	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
Phenol	4120 ug/L		05/01/13 00:37	jk	EPA 625 04KS
Pyrene	< 200 ug/L		04/30/13 03:20	jk	EPA 625 04KS
Surrogate: 2-Fluorophenol	18 % 10-35	S	04/30/13 03:20	jk	EPA 625
Surrogate: Phenol- d5	45 % 10-26	S	04/30/13 03:20	jk	EPA 625
Surrogate: Nitrobenzene-d5	60 % 22-105	S	04/30/13 03:20	jk	EPA 625
Surrogate: 2-Fluorobiphenyl	26 % 30-97	S	04/30/13 03:20	jk	EPA 625
Surrogate: 2,4,6-Tribromophenol	13 % 10-93	S	04/30/13 03:20	jk	EPA 625
Surrogate: p-Terphenyl-d14	30 % 22-115	S	04/30/13 03:20	jk	EPA 625
<u>Soluble Metals - STL</u>					
Mercury	< 0.0020 mg/L		04/30/13 12:12	WPS	EPA 245.1 R3.0 / SW 7470A 04KS
Antimony	0.049 mg/L		05/01/13 13:11	WPS	EPA 200.7 R4.4 04KS
Copper	< 0.0020 mg/L		05/01/13 13:11	WPS	EPA 200.7 R4.4 04KS
Silver	0.0031 mg/L		05/01/13 13:11	WPS	EPA 200.7 R4.4 04KS
Arsenic	0.53 mg/L		05/01/13 13:11	WPS	EPA 200.7 R4.4 04KS
Beryllium	0.0014 mg/L		05/01/13 13:11	WPS	EPA 200.7 R4.4 04KS
Cadmium	0.047 mg/L		05/01/13 13:11	WPS	EPA 200.7 R4.4 04KS
Chromium	0.21 mg/L		05/01/13 13:11	WPS	EPA 200.7 R4.4 04KS
Iron	590 mg/L		05/01/13 12:19	WPS	EPA 200.7 R4.4 04KS
Lead	0.10 mg/L		05/01/13 13:11	WPS	EPA 200.7 R4.4 04KS
Nickel	0.072 mg/L		05/01/13 13:11	WPS	EPA 200.7 R4.4 04KS
Selenium	0.020 mg/L		05/01/13 13:11	WPS	EPA 200.7 R4.4 04KS
Thallium	0.023 mg/L		05/01/13 13:11	WPS	EPA 200.7 R4.4 04KS
Zinc	13 mg/L		05/01/13 13:11	WPS	EPA 200.7 R4.4 04KS
<u>Total Metals - STL</u>					
Mercury	0.019 mg/L		04/30/13 12:12	WPS	EPA 245.1 R3.0 / SW 7470A 04KS
Antimony	0.076 mg/L		05/01/13 13:27	WPS	EPA 200.7 R4.4 04KS
Arsenic	0.56 mg/L		05/01/13 13:27	WPS	EPA 200.7 R4.4 04KS
Beryllium	0.0018 mg/L		05/01/13 13:27	WPS	EPA 200.7 R4.4 04KS
Cadmium	0.067 mg/L		05/01/13 13:27	WPS	EPA 200.7 R4.4 04KS
Chromium	0.24 mg/L		05/01/13 13:27	WPS	EPA 200.7 R4.4 04KS
Copper	0.0032 mg/L		05/01/13 13:27	WPS	EPA 200.7 R4.4 04KS



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St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 04/26/13 15:46
Report Date: 05/06/13
Customer #: 277310

Revised Laboratory Results

Sample No: **3043767-01**
Sample Description: **MSD Batch 67**

Collect Date: **04/26/13 13:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Total Metals - STL</u>					
Iron	850 mg/L		05/01/13 12:24	WPS	EPA 200.7 R4.4 04KS
Lead	0.18 mg/L		05/01/13 13:27	WPS	EPA 200.7 R4.4 04KS
Nickel	0.084 mg/L		05/01/13 13:27	WPS	EPA 200.7 R4.4 04KS
Selenium	< 0.010 mg/L		05/01/13 13:27	WPS	EPA 200.7 R4.4 04KS
Silver	0.0025 mg/L		05/01/13 13:27	WPS	EPA 200.7 R4.4 04KS
Thallium	0.025 mg/L		05/01/13 13:27	WPS	EPA 200.7 R4.4 04KS
Zinc	14 mg/L		05/01/13 13:27	WPS	EPA 200.7 R4.4 04KS
<u>Volatile Organics - STL</u>					
1,1,1-Trichloroethane	< 100 ug/L		04/30/13 22:58	BP	EPA 624 04KS
1,1,2,2-Tetrachloroethane	< 100 ug/L		04/30/13 22:58	BP	EPA 624 04KS
1,1,2-Trichloroethane	< 100 ug/L		04/30/13 22:58	BP	EPA 624 04KS
1,1-Dichloroethane	< 100 ug/L		04/30/13 22:58	BP	EPA 624 04KS
1,1-Dichloroethene	< 100 ug/L		04/30/13 22:58	BP	EPA 624 04KS
1,2-Dichlorobenzene	< 100 ug/L		04/30/13 22:58	BP	EPA 624 04KS
1,2-Dichloroethane	< 100 ug/L		04/30/13 22:58	BP	EPA 624 04KS
1,2-Dichloropropane	< 100 ug/L		04/30/13 22:58	BP	EPA 624 04KS
1,3-Dichlorobenzene	< 100 ug/L		04/30/13 22:58	BP	EPA 624 04KS
1,4-Dichlorobenzene	< 100 ug/L		04/30/13 22:58	BP	EPA 624 04KS
2-Chloroethylvinyl ether	< 100 ug/L		04/30/13 22:58	BP	EPA 624 04KS
Acrolein	< 500 ug/L		04/30/13 22:58	BP	EPA 624 04KS
Acrylonitrile	< 200 ug/L		04/30/13 22:58	BP	EPA 624 04KS
Benzene	< 100 ug/L		04/30/13 22:58	BP	EPA 624 04KS
Bromodichloromethane	< 100 ug/L		04/30/13 22:58	BP	EPA 624 04KS
Bromoform	< 100 ug/L		04/30/13 22:58	BP	EPA 624 04KS
Bromomethane	< 200 ug/L		04/30/13 22:58	BP	EPA 624 04KS
Carbon tetrachloride	< 100 ug/L		04/30/13 22:58	BP	EPA 624 04KS
Chlorobenzene	< 100 ug/L		04/30/13 22:58	BP	EPA 624 04KS
Chloroethane	< 200 ug/L		04/30/13 22:58	BP	EPA 624 04KS
Chloroform	< 100 ug/L		04/30/13 22:58	BP	EPA 624 04KS
Chloromethane	< 200 ug/L		04/30/13 22:58	BP	EPA 624 04KS
cis-1,3-Dichloropropene	< 100 ug/L		04/30/13 22:58	BP	EPA 624 04KS
Dibromochloromethane	< 100 ug/L		04/30/13 22:58	BP	EPA 624 04KS
Ethylbenzene	< 100 ug/L		04/30/13 22:58	BP	EPA 624 04KS



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St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 04/26/13 15:46
Report Date: 05/06/13
Customer #: 277310

Revised Laboratory Results

Sample No: **3043767-01**
Sample Description: **MSD Batch 67**

Collect Date: **04/26/13 13:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - STL</u>					
m,p-Xylene	< 200 ug/L		04/30/13 22:58	BP	EPA 624*
Methylene chloride	< 100 ug/L		04/30/13 22:58	BP	EPA 624 04KS
o-Xylene	< 100 ug/L		04/30/13 22:58	BP	EPA 624*
Tetrachloroethene	< 100 ug/L		04/30/13 22:58	BP	EPA 624 04KS
Toluene	< 100 ug/L		04/30/13 22:58	BP	EPA 624 04KS
trans-1,2-Dichloroethene	< 100 ug/L		04/30/13 22:58	BP	EPA 624 04KS
trans-1,3-Dichloropropene	< 100 ug/L		04/30/13 22:58	BP	EPA 624 04KS
Trichloroethene	< 100 ug/L		04/30/13 22:58	BP	EPA 624 04KS
Trichlorofluoromethane	< 100 ug/L		04/30/13 22:58	BP	EPA 624 04KS
Vinyl chloride	< 100 ug/L		04/30/13 22:58	BP	EPA 624 04KS
Surrogate: 1,2-Dichloroethane-d4	109 % 65-134		04/30/13 22:58	BP	EPA 624
Surrogate: Toluene-d8	100 % 74.2-117		04/30/13 22:58	BP	EPA 624
Surrogate: Bromofluorobenzene	107 % 74.1-125		04/30/13 22:58	BP	EPA 624

Sample No: **3043767-01RE1**
Sample Description: **MSD Batch 67**

Collect Date: **04/26/13 13:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - STL</u>					
Acetone	36000 ug/L		05/04/13 00:26	BP	EPA 624*
Surrogate: 1,2-Dichloroethane-d4	110 % 65-134		05/04/13 00:26	BP	EPA 624
Surrogate: Toluene-d8	105 % 74.2-117		05/04/13 00:26	BP	EPA 624
Surrogate: Bromofluorobenzene	107 % 74.1-125		05/04/13 00:26	BP	EPA 624

Sample No: **3043767-02**
Sample Description: **Trip Blank**

Collect Date: **04/26/13 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - STL</u>					
1,1,1-Trichloroethane	< 5.0 ug/L		04/30/13 20:21	BP	EPA 624 04KS

3043767



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Date Received: 04/26/13 15:46
Report Date: 05/06/13
Customer #: 277310

Revised Laboratory Results

Sample No: **3043767-02**
Sample Description: **Trip Blank**

Collect Date: **04/26/13 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
1,1,2,2-Tetrachloroethane	< 5.0 ug/L		04/30/13 20:21	BP	EPA 624 04KS
1,1,2-Trichloroethane	< 5.0 ug/L		04/30/13 20:21	BP	EPA 624 04KS
1,1-Dichloroethane	< 5.0 ug/L		04/30/13 20:21	BP	EPA 624 04KS
1,1-Dichloroethene	< 5.0 ug/L		04/30/13 20:21	BP	EPA 624 04KS
1,2-Dichlorobenzene	< 5.0 ug/L		04/30/13 20:21	BP	EPA 624 04KS
1,2-Dichloroethane	< 5.0 ug/L		04/30/13 20:21	BP	EPA 624 04KS
1,2-Dichloropropane	< 5.0 ug/L		04/30/13 20:21	BP	EPA 624 04KS
1,3-Dichlorobenzene	< 5.0 ug/L		04/30/13 20:21	BP	EPA 624 04KS
1,4-Dichlorobenzene	< 5.0 ug/L		04/30/13 20:21	BP	EPA 624 04KS
2-Chloroethylvinyl ether	< 5.0 ug/L		04/30/13 20:21	BP	EPA 624 04KS
Acrolein	< 25 ug/L		04/30/13 20:21	BP	EPA 624 04KS
Acrylonitrile	< 10 ug/L		04/30/13 20:21	BP	EPA 624 04KS
Benzene	< 5.0 ug/L		04/30/13 20:21	BP	EPA 624 04KS
Bromodichloromethane	< 5.0 ug/L		04/30/13 20:21	BP	EPA 624 04KS
Bromoform	< 5.0 ug/L		04/30/13 20:21	BP	EPA 624 04KS
Bromomethane	< 10 ug/L		04/30/13 20:21	BP	EPA 624 04KS
Carbon tetrachloride	< 5.0 ug/L		04/30/13 20:21	BP	EPA 624 04KS
Chlorobenzene	< 5.0 ug/L		04/30/13 20:21	BP	EPA 624 04KS
Chloroethane	< 10 ug/L		04/30/13 20:21	BP	EPA 624 04KS
Chloroform	< 5.0 ug/L		04/30/13 20:21	BP	EPA 624 04KS
Chloromethane	< 10 ug/L		04/30/13 20:21	BP	EPA 624 04KS
cis-1,3-Dichloropropene	< 5.0 ug/L		04/30/13 20:21	BP	EPA 624 04KS
Dibromochloromethane	< 5.0 ug/L		04/30/13 20:21	BP	EPA 624 04KS
Ethylbenzene	< 5.0 ug/L		04/30/13 20:21	BP	EPA 624 04KS
m,p-Xylene	< 10 ug/L		04/30/13 20:21	BP	EPA 624*
Methylene chloride	< 5.0 ug/L		04/30/13 20:21	BP	EPA 624 04KS
o-Xylene	< 5.0 ug/L		04/30/13 20:21	BP	EPA 624*
Tetrachloroethene	< 5.0 ug/L		04/30/13 20:21	BP	EPA 624 04KS
Toluene	< 5.0 ug/L		04/30/13 20:21	BP	EPA 624 04KS
trans-1,2-Dichloroethene	< 5.0 ug/L		04/30/13 20:21	BP	EPA 624 04KS
trans-1,3-Dichloropropene	< 5.0 ug/L		04/30/13 20:21	BP	EPA 624 04KS
Trichloroethene	< 5.0 ug/L		04/30/13 20:21	BP	EPA 624 04KS
Trichlorofluoromethane	< 5.0 ug/L		04/30/13 20:21	BP	EPA 624 04KS



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

Date Received: 04/26/13 15:46
Report Date: 05/06/13
Customer #: 277310

Revised Laboratory Results

Sample No: **3043767-02**
Sample Description: **Trip Blank**

Collect Date: **04/26/13 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - STL</u>					
Vinyl chloride	< 5.0 ug/L		04/30/13 20:21	BP	EPA 624 04KS
Surrogate: 1,2-Dichloroethane-d4	114 % 65-134		04/30/13 20:21	BP	EPA 624
Surrogate: Toluene-d8	100 % 74.2-117		04/30/13 20:21	BP	EPA 624
Surrogate: Bromofluorobenzene	101 % 74.1-125		04/30/13 20:21	BP	EPA 624

Sample No: **3043767-02RE1**
Sample Description: **Trip Blank**

Collect Date: **04/26/13 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - STL</u>					
Acetone	< 10 ug/L		05/03/13 12:29	BP	EPA 624*
Surrogate: 1,2-Dichloroethane-d4	110 % 65-134		05/03/13 12:29	BP	EPA 624
Surrogate: Toluene-d8	95 % 74.2-117		05/03/13 12:29	BP	EPA 624
Surrogate: Bromofluorobenzene	105 % 74.1-125		05/03/13 12:29	BP	EPA 624



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Attn: Ed Galbraith

Date Received: 04/26/13 15:46
Report Date: 05/06/13
Customer #: 277310

Revised Laboratory Results

General Chemistry - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306631 - 04-No Prep WC								
Blank (B306631-BLK1)			Prepared & Analyzed: 04/26/13					
COD	< 5.0	mg/L						
Blank (B306631-BLK2)			Prepared & Analyzed: 04/26/13					
COD	< 23	mg/L						
LCS (B306631-BS1)			Prepared & Analyzed: 04/26/13					
COD	98.0	mg/L	100.0		98	95-105		
LCS (B306631-BS2)			Prepared & Analyzed: 04/26/13					
COD	503	mg/L	500.0		101	95-105		
Duplicate (B306631-DUP1)			Prepared & Analyzed: 04/26/13					
COD	65.7	mg/L		64.7			2	20
Duplicate (B306631-DUP2)			Prepared & Analyzed: 04/26/13					
COD	7880	mg/L		7920			0.6	20
Batch B306700 - 04-No Prep WC								
Calibration Check (B306700-CCV1)			Prepared & Analyzed: 04/26/13					
pH	7.01	pH Units	7.000		100	0-200		
Duplicate (B306700-DUP1)			Prepared & Analyzed: 04/26/13					
pH	5.87	pH Units		5.85			0.3	10
Batch B306704 - 04-No Prep WC								
Blank (B306704-BLK1)			Prepared & Analyzed: 04/29/13					
Oil & Grease - total	< 5.0	mg/L						
LCS (B306704-BS1)			Prepared & Analyzed: 04/29/13					
Oil & Grease - total	38.7	mg/L	40.00		97	78-114		
LCS Dup (B306704-BSD1)			Prepared & Analyzed: 04/29/13					
Oil & Grease - total	38.7	mg/L	40.00		97	78-114	0	18
Batch B306767 - 04-No Prep WC								
Blank (B306767-BLK1)			Prepared & Analyzed: 04/29/13					
Solids - total suspended solids (TSS)	< 2.0	mg/L						
LCS (B306767-BS1)			Prepared & Analyzed: 04/29/13					
Solids - total suspended solids (TSS)	97.0	mg/L	100.0		97	82.9-110		
Duplicate (B306767-DUP1)			Prepared & Analyzed: 04/29/13					
Solids - total suspended solids (TSS)	1480	mg/L		1540			4	5
Duplicate (B306767-DUP2)			Prepared & Analyzed: 04/29/13					



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Date Received: 04/26/13 15:46
Report Date: 05/06/13
Customer #: 277310

Revised Laboratory Results

General Chemistry - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B306767 - 04-No Prep WC

Duplicate (B306767-DUP2)		Source: 3043804-01		Prepared & Analyzed: 04/29/13				
Solids - total suspended solids (TSS)	4.80	mg/L		4.40			9	5

Nutrients - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B306823 - 04-No Prep WC

Blank (B306823-BLK1)		Prepared & Analyzed: 04/29/13						
Ammonia-N	< 0.010	mg/L						
LCS (B306823-BS1)		Prepared & Analyzed: 04/29/13						
Ammonia-N	10.1	mg/L	10.00		101	80-120		
Matrix Spike (B306823-MS1)		Prepared & Analyzed: 04/29/13						
Ammonia-N	792	mg/L	100.0	697	95	80-120		
Matrix Spike Dup (B306823-MSD1)		Prepared & Analyzed: 04/29/13						
Ammonia-N	794	mg/L	100.0	697	97	80-120	0.3	20

Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B306791 - 04-SW 7470A/245.1

Blank (B306791-BLK1)		Prepared & Analyzed: 04/30/13						
Mercury	< 0.0002	mg/L						
Blank (B306791-BLK2)		Prepared & Analyzed: 04/30/13						
Mercury	< 0.0002	mg/L						
Blank (B306791-BLK3)		Prepared & Analyzed: 04/30/13						
Mercury	< 0.0002	mg/L						
LCS (B306791-BS1)		Prepared & Analyzed: 04/30/13						
Mercury	0.00210	mg/L	0.002000		105	85-115		
Matrix Spike (B306791-MS1)		Prepared & Analyzed: 04/30/13						
Mercury	0.00220	mg/L	0.002000	ND	110	70-130		
Matrix Spike (B306791-MS2)		Prepared & Analyzed: 04/30/13						
Mercury	Q4 < 0.0002	mg/L	0.002000	1.12	NR	70-130		
Matrix Spike (B306791-MS3)		Prepared & Analyzed: 04/30/13						

3043767



PDC Laboratories, Inc.

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

Date Received: 04/26/13 15:46
Report Date: 05/06/13
Customer #: 277310

Revised Laboratory Results

Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306791 - 04-SW 7470A/245.1								
Matrix Spike (B306791-MS3)			Source: 3043653-01		Prepared & Analyzed: 04/30/13			
Mercury	0.00402	mg/L	0.002000	0.00176	113	70-130		
Matrix Spike Dup (B306791-MSD1)			Source: 3043141-03		Prepared & Analyzed: 04/30/13			
Mercury	0.00220	mg/L	0.002000	ND	110	70-130	0	20
Batch B306851 - 04 EPA 200.2 R2.8								
Blank (B306851-BLK1)			Prepared: 04/30/13 Analyzed: 05/01/13					
Antimony	< 0.010	mg/L						
Arsenic	< 0.015	mg/L						
Beryllium	< 0.0010	mg/L						
Cadmium	< 0.0020	mg/L						
Chromium	< 0.0020	mg/L						
Copper	< 0.0020	mg/L						
Iron	< 0.010	mg/L						
Lead	< 0.010	mg/L						
Nickel	< 0.0020	mg/L						
Selenium	< 0.010	mg/L						
Silver	< 0.0020	mg/L						
Thallium	< 0.020	mg/L						
Zinc	< 0.010	mg/L						
LCS (B306851-BS1)			Prepared: 04/30/13 Analyzed: 05/01/13					
Antimony	0.0890	mg/L	0.1000		89	85-115		
Arsenic	0.0882	mg/L	0.1000		88	85-115		
Beryllium	0.109	mg/L	0.1000		109	85-115		
Cadmium	0.0994	mg/L	0.1000		99	85-115		
Chromium	0.103	mg/L	0.1000		103	85-115		
Copper	0.102	mg/L	0.1000		102	85-115		
Iron	0.100	mg/L	0.1000		100	85-115		
Lead	0.102	mg/L	0.1000		102	85-115		
Nickel	0.105	mg/L	0.1000		105	85-115		
Selenium	0.100	mg/L	0.1000		100	85-115		
Silver	0.0255	mg/L	0.02500		102	85-115		
Thallium	0.0940	mg/L	0.1000		94	85-115		
Zinc	0.102	mg/L	0.1000		102	85-115		
LCS (B306851-BS2)			Prepared: 04/30/13 Analyzed: 05/01/13					
Antimony	0.103	mg/L	0.1000		103	85-115		
Arsenic	< 0.015	mg/L				85-115		
Beryllium	< 0.0010	mg/L				85-115		
Cadmium	< 0.0020	mg/L				85-115		



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St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 04/26/13 15:46
Report Date: 05/06/13
Customer #: 277310

Revised Laboratory Results

Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B306851 - 04 EPA 200.2 R2.8

LCS (B306851-BS2)

Prepared: 04/30/13 Analyzed: 05/01/13

Chromium	< 0.0020	mg/L				85-115		
Copper	< 0.0020	mg/L				85-115		
Iron	< 0.010	mg/L				85-115		
Lead	< 0.010	mg/L				85-115		
Nickel	< 0.0020	mg/L				85-115		
Selenium	< 0.010	mg/L				85-115		
Silver	< 0.0020	mg/L				85-115		
Thallium	< 0.020	mg/L				85-115		
Zinc	< 0.010	mg/L				85-115		

Matrix Spike (B306851-MS1)

Source: 3043804-02

Prepared: 04/30/13 Analyzed: 05/01/13

Antimony	0.109	mg/L	0.1000	ND	109	70-130		
Arsenic	0.103	mg/L	0.1000	ND	103	70-130		
Beryllium	0.118	mg/L	0.1000	ND	118	70-130		
Cadmium	0.0970	mg/L	0.1000	ND	97	70-130		
Chromium	0.105	mg/L	0.1000	0.00160	104	70-130		
Copper	0.102	mg/L	0.1000	0.00284	100	70-130		
Iron	0.401	mg/L	0.1000	0.301	101	70-130		
Lead	0.0954	mg/L	0.1000	0.00519	90	70-130		
Nickel	0.101	mg/L	0.1000	ND	101	70-130		
Selenium	0.107	mg/L	0.1000	ND	107	70-130		
Silver	0.0254	mg/L	0.02500	ND	101	70-130		
Thallium	0.0821	mg/L	0.1000	ND	82	70-130		
Zinc	0.124	mg/L	0.1000	0.0186	105	70-130		

Matrix Spike Dup (B306851-MSD1)

Source: 3043804-02

Prepared: 04/30/13 Analyzed: 05/01/13

Antimony	0.111	mg/L	0.1000	ND	111	70-130	1	20
Arsenic	0.102	mg/L	0.1000	ND	102	70-130	1	20
Beryllium	0.116	mg/L	0.1000	ND	116	70-130	2	20
Cadmium	0.0965	mg/L	0.1000	ND	97	70-130	0.4	20
Chromium	0.105	mg/L	0.1000	0.00160	103	70-130	0.5	20
Copper	0.102	mg/L	0.1000	0.00284	99	70-130	0.6	20
Iron	0.400	mg/L	0.1000	0.301	99	70-130	0.3	20
Lead	0.0953	mg/L	0.1000	0.00519	90	70-130	0.09	20
Nickel	0.101	mg/L	0.1000	ND	101	70-130	0.2	20
Selenium	0.118	mg/L	0.1000	ND	118	70-130	10	20
Silver	0.0248	mg/L	0.02500	ND	99	70-130	2	20
Thallium	0.0775	mg/L	0.1000	ND	77	70-130	6	20
Zinc	0.123	mg/L	0.1000	0.0186	105	70-130	0.4	20



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St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 04/26/13 15:46
Report Date: 05/06/13
Customer #: 277310

Revised Laboratory Results

Soluble Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306791 - 04-SW 7470A/245.1								
Blank (B306791-BLK1)			Prepared & Analyzed: 04/30/13					
Mercury	< 0.0002	mg/L						
Blank (B306791-BLK2)			Prepared & Analyzed: 04/30/13					
Mercury	< 0.0002	mg/L						
Blank (B306791-BLK3)			Prepared & Analyzed: 04/30/13					
Mercury	< 0.0002	mg/L						
LCS (B306791-BS1)			Prepared & Analyzed: 04/30/13					
Mercury	0.00210	mg/L	0.002000		105	85-115		
Matrix Spike (B306791-MS1)			Prepared & Analyzed: 04/30/13					
Mercury	0.00220	mg/L	0.002000	ND	110	70-130		
Matrix Spike (B306791-MS2)			Prepared & Analyzed: 04/30/13					
Mercury	Q4 < 0.0002	mg/L	0.002000	1.12	NR	70-130		
Matrix Spike (B306791-MS3)			Prepared & Analyzed: 04/30/13					
Mercury	0.00402	mg/L	0.002000	0.00176	113	70-130		
Matrix Spike Dup (B306791-MSD1)			Prepared & Analyzed: 04/30/13					
Mercury	0.00220	mg/L	0.002000	ND	110	70-130	0	20
Batch B306851 - 04 EPA 200.2 R2.8								
Blank (B306851-BLK1)			Prepared: 04/30/13 Analyzed: 05/01/13					
Antimony	< 0.010	mg/L						
Silver	< 0.0020	mg/L						
Copper	< 0.0020	mg/L						
Arsenic	< 0.015	mg/L						
Beryllium	< 0.0010	mg/L						
Cadmium	< 0.0020	mg/L						
Chromium	< 0.0020	mg/L						
Iron	< 0.010	mg/L						
Lead	< 0.010	mg/L						
Nickel	< 0.0020	mg/L						
Selenium	< 0.010	mg/L						
Thallium	< 0.020	mg/L						
Zinc	< 0.010	mg/L						
Blank (B306851-BLK2)			Prepared: 04/30/13 Analyzed: 05/01/13					
Copper	< 0.0020	mg/L						
Silver	< 0.0020	mg/L						
Antimony	< 0.010	mg/L						
Arsenic	< 0.015	mg/L						



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Date Received: 04/26/13 15:46
Report Date: 05/06/13
Customer #: 277310

Revised Laboratory Results

Soluble Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306851 - 04 EPA 200.2 R2.8								
Blank (B306851-BLK2)			Prepared: 04/30/13 Analyzed: 05/01/13					
Beryllium	< 0.0010	mg/L						
Cadmium	< 0.0020	mg/L						
Chromium	< 0.0020	mg/L						
Iron	< 0.010	mg/L						
Lead	< 0.010	mg/L						
Nickel	< 0.0020	mg/L						
Selenium	< 0.010	mg/L						
Thallium	< 0.020	mg/L						
Zinc	< 0.010	mg/L						
LCS (B306851-BS1)			Prepared: 04/30/13 Analyzed: 05/01/13					
Antimony	0.0890	mg/L	0.1000		89	85-115		
Copper	0.102	mg/L	0.1000		102	85-115		
Silver	0.0255	mg/L	0.02500		102	85-115		
Arsenic	0.0882	mg/L	0.1000		88	85-115		
Beryllium	0.109	mg/L	0.1000		109	85-115		
Cadmium	0.0994	mg/L	0.1000		99	85-115		
Chromium	0.103	mg/L	0.1000		103	85-115		
Iron	0.100	mg/L	0.1000		100	85-115		
Lead	0.102	mg/L	0.1000		102	85-115		
Nickel	0.105	mg/L	0.1000		105	85-115		
Selenium	0.100	mg/L	0.1000		100	85-115		
Thallium	0.0940	mg/L	0.1000		94	85-115		
Zinc	0.102	mg/L	0.1000		102	85-115		
LCS (B306851-BS2)			Prepared: 04/30/13 Analyzed: 05/01/13					
Silver	< 0.0020	mg/L				85-115		
Antimony	< 0.010	mg/L	0.1000			85-115		
Copper	< 0.0020	mg/L				85-115		
Arsenic	< 0.015	mg/L				85-115		
Beryllium	< 0.0010	mg/L				85-115		
Cadmium	< 0.0020	mg/L				85-115		
Chromium	< 0.0020	mg/L				85-115		
Iron	< 0.010	mg/L				85-115		
Lead	< 0.010	mg/L				85-115		
Nickel	< 0.0020	mg/L				85-115		
Selenium	< 0.010	mg/L				85-115		
Thallium	< 0.020	mg/L				85-115		
Zinc	< 0.010	mg/L				85-115		
Matrix Spike (B306851-MS1)			Source: 3043804-02			Prepared: 04/30/13 Analyzed: 05/01/13		



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St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 04/26/13 15:46
Report Date: 05/06/13
Customer #: 277310

Revised Laboratory Results

Soluble Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B306851 - 04 EPA 200.2 R2.8

Matrix Spike (B306851-MS1)	Source: 3043804-02	Prepared: 04/30/13 Analyzed: 05/01/13						
Antimony	0.109	mg/L	0.1000	ND	109	70-130		
Copper	0.102	mg/L	0.1000	0.00284	100	70-130		
Silver	0.0254	mg/L	0.02500	ND	101	70-130		
Arsenic	0.103	mg/L	0.1000	ND	103	70-130		
Beryllium	0.118	mg/L	0.1000	ND	118	70-130		
Cadmium	0.0970	mg/L	0.1000	ND	97	70-130		
Chromium	0.105	mg/L	0.1000	0.00160	104	70-130		
Iron	0.401	mg/L	0.1000	0.301	101	70-130		
Lead	0.0954	mg/L	0.1000	0.00519	90	70-130		
Nickel	0.101	mg/L	0.1000	ND	101	70-130		
Selenium	0.107	mg/L	0.1000	ND	107	70-130		
Thallium	0.0821	mg/L	0.1000	ND	82	70-130		
Zinc	0.124	mg/L	0.1000	0.0186	105	70-130		

Matrix Spike Dup (B306851-MSD1)	Source: 3043804-02	Prepared: 04/30/13 Analyzed: 05/01/13						
Antimony	0.111	mg/L	0.1000	ND	111	70-130	1	20
Silver	0.0248	mg/L	0.02500	ND	99	70-130	2	20
Copper	0.102	mg/L	0.1000	0.00284	99	70-130	0.6	20
Arsenic	0.102	mg/L	0.1000	ND	102	70-130	1	20
Beryllium	0.116	mg/L	0.1000	ND	116	70-130	2	20
Cadmium	0.0965	mg/L	0.1000	ND	97	70-130	0.4	20
Chromium	0.105	mg/L	0.1000	0.00160	103	70-130	0.5	20
Iron	0.400	mg/L	0.1000	0.301	99	70-130	0.3	20
Lead	0.0953	mg/L	0.1000	0.00519	90	70-130	0.09	20
Nickel	0.101	mg/L	0.1000	ND	101	70-130	0.2	20
Selenium	0.118	mg/L	0.1000	ND	118	70-130	10	20
Thallium	0.0775	mg/L	0.1000	ND	77	70-130	6	20
Zinc	0.123	mg/L	0.1000	0.0186	105	70-130	0.4	20

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B306854 - 04-No Prep VOA

Blank (B306854-BLK1)	Prepared & Analyzed: 04/30/13							
1,1,1-Trichloroethane	< 5.0	ug/L						
1,1,2,2-Tetrachloroethane	< 5.0	ug/L						
1,1,2-Trichloroethane	< 5.0	ug/L						
1,1-Dichloroethane	< 5.0	ug/L						

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Revised Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306854 - 04-No Prep VOA								
Blank (B306854-BLK1)			Prepared & Analyzed: 04/30/13					
1,1-Dichloroethene	< 5.0	ug/L						
1,2-Dichlorobenzene	< 5.0	ug/L						
1,2-Dichloroethane	< 5.0	ug/L						
1,2-Dichloropropane	< 5.0	ug/L						
1,3-Dichlorobenzene	< 5.0	ug/L						
1,4-Dichlorobenzene	< 5.0	ug/L						
2-Chloroethylvinyl ether	< 5.0	ug/L						
Acetone	< 10	ug/L						
Acrolein	< 25	ug/L						
Acrylonitrile	< 10	ug/L						
Benzene	< 5.0	ug/L						
Bromodichloromethane	< 5.0	ug/L						
Bromoform	< 5.0	ug/L						
Bromomethane	< 10	ug/L						
Carbon tetrachloride	< 5.0	ug/L						
Chlorobenzene	< 5.0	ug/L						
Chloroethane	< 10	ug/L						
Chloroform	< 5.0	ug/L						
Chloromethane	< 10	ug/L						
cis-1,3-Dichloropropene	< 5.0	ug/L						
Dibromochloromethane	< 5.0	ug/L						
Ethylbenzene	< 5.0	ug/L						
m,p-Xylene	< 10	ug/L						
Methylene chloride	< 5.0	ug/L						
o-Xylene	< 5.0	ug/L						
Tetrachloroethene	< 5.0	ug/L						
Toluene	< 5.0	ug/L						
trans-1,2-Dichloroethene	< 5.0	ug/L						
trans-1,3-Dichloropropene	< 5.0	ug/L						
Trichloroethene	< 5.0	ug/L						
Trichlorofluoromethane	< 5.0	ug/L						
Vinyl chloride	< 5.0	ug/L						
Surrogate: 1,2-Dichloroethane-d4	35.0	ug/L	30.00		117	65-134		
Surrogate: Toluene-d8	29.3	ug/L	30.00		98	74.2-117		
Surrogate: Bromofluorobenzene	30.0	ug/L	30.00		100	74.1-125		
LCS (B306854-BS1)			Prepared & Analyzed: 04/30/13					
1,1,1-Trichloroethane	18.5	ug/L	20.00		93	76-131		
1,1,2,2-Tetrachloroethane	18.6	ug/L	20.00		93	79-126		
1,1,2-Trichloroethane	19.5	ug/L	20.00		98	79-123		



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Revised Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306854 - 04-No Prep VOA								
LCS (B306854-BS1)			Prepared & Analyzed: 04/30/13					
1,1-Dichloroethane	20.8	ug/L	20.00		104	74-133		
1,1-Dichloroethene	19.4	ug/L	20.00		97	71-135		
1,2-Dichlorobenzene	19.1	ug/L	20.00		95	76-113		
1,2-Dichloroethane	21.5	ug/L	20.00		107	80-135		
1,2-Dichloropropane	20.2	ug/L	20.00		101	78-127		
1,3-Dichlorobenzene	19.5	ug/L	20.00		98	82-119		
1,4-Dichlorobenzene	18.7	ug/L	20.00		94	78-118		
2-Chloroethylvinyl ether	18.5	ug/L	20.00		93	66-138		
Acrolein	76.7	ug/L	100.0		77	38-156		
Acrylonitrile	17.8	ug/L	20.00		89	43-121		
Benzene	19.0	ug/L	20.00		95	84-114		
Bromodichloromethane	18.8	ug/L	20.00		94	82-116		
Bromoform	19.2	ug/L	20.00		96	65-115		
Bromomethane	17.6	ug/L	20.00		88	28-143		
Carbon tetrachloride	18.9	ug/L	20.00		94	72-131		
Chlorobenzene	18.7	ug/L	20.00		94	82-112		
Chloroethane	16.4	ug/L	20.00		82	41-126		
Chloroform	18.3	ug/L	20.00		91	78-124		
Chloromethane	15.5	ug/L	20.00		77	52-110		
cis-1,3-Dichloropropene	18.4	ug/L	20.00		92	82-116		
Dibromochloromethane	19.0	ug/L	20.00		95	83-119		
Ethylbenzene	19.6	ug/L	20.00		98	85-118		
m,p-Xylene	37.9	ug/L	40.00		95	80-111		
Methylene chloride	20.4	ug/L	20.00		102	78-140		
o-Xylene	19.1	ug/L	20.00		95	81-111		
Tetrachloroethene	20.9	ug/L	20.00		105	65-135		
Toluene	19.3	ug/L	20.00		97	81-120		
trans-1,2-Dichloroethene	18.5	ug/L	20.00		93	70-136		
trans-1,3-Dichloropropene	17.7	ug/L	20.00		89	82-113		
Trichloroethene	20.1	ug/L	20.00		101	84-125		
Trichlorofluoromethane	20.7	ug/L	20.00		104	70-138		
Vinyl chloride	19.5	ug/L	20.00		98	56-112		
Surrogate: 1,2-Dichloroethane-d4	33.9	ug/L	30.00		113	65.3-134		
Surrogate: Toluene-d8	30.1	ug/L	30.00		100	73.2-119		
Surrogate: Bromofluorobenzene	30.9	ug/L	30.00		103	77.8-123		
Matrix Spike (B306854-MS1)			Source: 3043570-02		Prepared & Analyzed: 04/30/13			
1,1,1-Trichloroethane	18.2	ug/L	20.00	ND	91	58-143		
1,1,2,2-Tetrachloroethane	20.3	ug/L	20.00	ND	102	70-133		
1,1,2-Trichloroethane	18.8	ug/L	20.00	ND	94	73-130		



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Date Received: 04/26/13 15:46
Report Date: 05/06/13
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Revised Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306854 - 04-No Prep VOA								
Matrix Spike (B306854-MS1)		Source: 3043570-02		Prepared & Analyzed: 04/30/13				
1,1-Dichloroethane	20.6	ug/L	20.00	ND	103	55-146		
1,1-Dichloroethene	19.5	ug/L	20.00	ND	97	51-150		
1,2-Dichlorobenzene	19.8	ug/L	20.00	ND	99	62-120		
1,2-Dichloroethane	20.1	ug/L	20.00	ND	101	67-143		
1,2-Dichloropropane	19.5	ug/L	20.00	ND	97	66-134		
1,3-Dichlorobenzene	20.6	ug/L	20.00	ND	103	67-124		
1,4-Dichlorobenzene	19.1	ug/L	20.00	ND	95	66-123		
Acrolein	57.7	ug/L	100.0	ND	58	14-156		
Acrylonitrile	19.0	ug/L	20.00	ND	95	46-116		
Benzene	18.5	ug/L	20.00	ND	93	69-126		
Bromodichloromethane	19.7	ug/L	20.00	ND	99	67-128		
Bromoform	20.5	ug/L	20.00	ND	103	42-132		
Bromomethane	29.2	ug/L	20.00	20.0	46	5-138		
Carbon tetrachloride	19.8	ug/L	20.00	ND	99	53-151		
Chlorobenzene	18.3	ug/L	20.00	ND	91	67-124		
Chloroethane	13.9	ug/L	20.00	ND	70	35-123		
Chloroform	18.5	ug/L	20.00	ND	93	41-155		
Chloromethane	11.3	ug/L	20.00	ND	56	39-120		
cis-1,3-Dichloropropene	18.9	ug/L	20.00	ND	94	68-126		
Dibromochloromethane	19.7	ug/L	20.00	ND	99	68-131		
Ethylbenzene	19.2	ug/L	20.00	ND	96	68-128		
m,p-Xylene	36.5	ug/L	40.00	ND	91	64-122		
Methylene chloride	23.3	ug/L	20.00	ND	117	70-150		
o-Xylene	18.4	ug/L	20.00	ND	92	65-122		
Tetrachloroethene	14.5	ug/L	20.00	ND	73	42-132		
Toluene	18.6	ug/L	20.00	ND	93	64-137		
trans-1,2-Dichloroethene	Q1 9.65	ug/L	20.00	ND	48	57-145		
trans-1,3-Dichloropropene	17.5	ug/L	20.00	ND	87	66-121		
Trichloroethene	19.2	ug/L	20.00	ND	96	69-131		
Trichlorofluoromethane	18.1	ug/L	20.00	ND	90	36-162		
Vinyl chloride	14.3	ug/L	20.00	ND	71	24-137		
Surrogate: 1,2-Dichloroethane-d4	35.6	ug/L	30.00		119	63.3-137		
Surrogate: Toluene-d8	30.8	ug/L	30.00		103	71-122		
Surrogate: Bromofluorobenzene	30.3	ug/L	30.00		101	74.6-123		
Matrix Spike Dup (B306854-MSD1)		Source: 3043570-02		Prepared & Analyzed: 04/30/13				
1,1,1-Trichloroethane	16.2	ug/L	20.00	ND	81	58-143	12	40
1,1,2,2-Tetrachloroethane	17.0	ug/L	20.00	ND	85	70-133	17	40
1,1,2-Trichloroethane	16.7	ug/L	20.00	ND	84	73-130	12	40
1,1-Dichloroethane	19.6	ug/L	20.00	ND	98	55-146	5	40



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Date Received: 04/26/13 15:46
Report Date: 05/06/13
Customer #: 277310

Revised Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306854 - 04-No Prep VOA								
Matrix Spike Dup (B306854-MSD1)	Source: 3043570-02	Prepared & Analyzed: 04/30/13						
1,1-Dichloroethene	17.8	ug/L	20.00	ND	89	51-150	9	40
1,2-Dichlorobenzene	16.8	ug/L	20.00	ND	84	62-120	17	40
1,2-Dichloroethane	18.5	ug/L	20.00	ND	93	67-143	8	40
1,2-Dichloropropane	16.8	ug/L	20.00	ND	84	66-134	15	40
1,3-Dichlorobenzene	18.6	ug/L	20.00	ND	93	67-124	10	40
1,4-Dichlorobenzene	17.2	ug/L	20.00	ND	86	66-123	10	40
Acrolein	52.0	ug/L	100.0	ND	52	14-156	10	40
Acrylonitrile	16.4	ug/L	20.00	ND	82	46-116	15	40
Benzene	15.9	ug/L	20.00	ND	80	69-126	15	40
Bromodichloromethane	17.4	ug/L	20.00	ND	87	67-128	13	40
Bromoform	18.0	ug/L	20.00	ND	90	42-132	13	40
Bromomethane	27.2	ug/L	20.00	20.0	36	5-138	7	40
Carbon tetrachloride	18.1	ug/L	20.00	ND	90	53-151	9	40
Chlorobenzene	16.0	ug/L	20.00	ND	80	67-124	13	40
Chloroethane	13.3	ug/L	20.00	ND	67	35-123	4	40
Chloroform	17.5	ug/L	20.00	ND	88	41-155	5	40
Chloromethane	9.58	ug/L	20.00	ND	48	39-120	16	40
cis-1,3-Dichloropropene	17.4	ug/L	20.00	ND	87	68-126	8	40
Dibromochloromethane	16.8	ug/L	20.00	ND	84	68-131	16	40
Ethylbenzene	16.4	ug/L	20.00	ND	82	68-128	16	40
m,p-Xylene	31.8	ug/L	40.00	ND	80	64-122	14	40
Methylene chloride	20.8	ug/L	20.00	ND	104	70-150	11	40
o-Xylene	15.8	ug/L	20.00	ND	79	65-122	15	40
Tetrachloroethene	12.7	ug/L	20.00	ND	64	42-132	13	40
Toluene	16.2	ug/L	20.00	ND	81	64-137	13	40
trans-1,2-Dichloroethene	11.7	ug/L	20.00	ND	59	57-145	19	40
trans-1,3-Dichloropropene	15.6	ug/L	20.00	ND	78	66-121	11	40
Trichloroethene	16.6	ug/L	20.00	ND	83	69-131	15	40
Trichlorofluoromethane	17.4	ug/L	20.00	ND	87	36-162	4	40
Vinyl chloride	13.1	ug/L	20.00	ND	65	24-137	9	40
Surrogate: 1,2-Dichloroethane-d4	29.8	ug/L	30.00		99	63.3-137		
Surrogate: Toluene-d8	26.3	ug/L	30.00		88	71-122		
Surrogate: Bromofluorobenzene	26.6	ug/L	30.00		89	74.6-123		

Batch B307057 - 04-No Prep VOA

Blank (B307057-BLK1)		Prepared & Analyzed: 05/03/13						
1,1,1-Trichloroethane	< 5.0	ug/L						
1,1,1,2-Tetrachloroethane	< 5.0	ug/L						
1,1,2-Trichloroethane	< 5.0	ug/L						



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Report Date: 05/06/13
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Revised Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307057 - 04-No Prep VOA								
Blank (B307057-BLK1)			Prepared & Analyzed: 05/03/13					
1,1-Dichloroethane	< 5.0	ug/L						
1,1-Dichloroethene	< 5.0	ug/L						
1,2-Dichlorobenzene	< 5.0	ug/L						
1,2-Dichloroethane	< 5.0	ug/L						
1,2-Dichloropropane	< 5.0	ug/L						
1,3-Dichlorobenzene	< 5.0	ug/L						
1,4-Dichlorobenzene	< 5.0	ug/L						
2-Chloroethylvinyl ether	< 5.0	ug/L						
Acetone	< 10	ug/L						
Acrolein	< 25	ug/L						
Acrylonitrile	< 10	ug/L						
Benzene	< 5.0	ug/L						
Bromodichloromethane	< 5.0	ug/L						
Bromoform	< 5.0	ug/L						
Bromomethane	< 10	ug/L						
Carbon tetrachloride	< 5.0	ug/L						
Chlorobenzene	< 5.0	ug/L						
Chloroethane	< 10	ug/L						
Chloroform	< 5.0	ug/L						
Chloromethane	< 10	ug/L						
cis-1,3-Dichloropropene	< 5.0	ug/L						
Dibromochloromethane	< 5.0	ug/L						
Ethylbenzene	< 5.0	ug/L						
m,p-Xylene	< 10	ug/L						
Methylene chloride	< 5.0	ug/L						
o-Xylene	< 5.0	ug/L						
Tetrachloroethene	< 5.0	ug/L						
Toluene	< 5.0	ug/L						
trans-1,2-Dichloroethene	< 5.0	ug/L						
trans-1,3-Dichloropropene	< 5.0	ug/L						
Trichloroethene	< 5.0	ug/L						
Trichlorofluoromethane	< 5.0	ug/L						
Vinyl chloride	< 5.0	ug/L						
<i>Surrogate: 1,2-Dichloroethane-d4</i>	31.8	ug/L	30.00		106	65-134		
<i>Surrogate: Toluene-d8</i>	28.8	ug/L	30.00		96	74.2-117		
<i>Surrogate: Bromofluorobenzene</i>	30.6	ug/L	30.00		102	74.1-125		
LCS (B307057-BS1)			Prepared & Analyzed: 05/03/13					
1,1,1-Trichloroethane	15.7	ug/L	20.00		79	76-131		
1,1,2,2-Tetrachloroethane	18.5	ug/L	20.00		93	79-126		



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Revised Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307057 - 04-No Prep VOA								
LCS (B307057-BS1)			Prepared & Analyzed: 05/03/13					
1,1,2-Trichloroethane	18.7	ug/L	20.00		94	79-123		
1,1-Dichloroethane	19.1	ug/L	20.00		96	74-133		
1,1-Dichloroethene	17.2	ug/L	20.00		86	71-135		
1,2-Dichlorobenzene	16.7	ug/L	20.00		83	76-113		
1,2-Dichloroethane	21.1	ug/L	20.00		105	80-135		
1,2-Dichloropropane	18.6	ug/L	20.00		93	78-127		
1,3-Dichlorobenzene	17.7	ug/L	20.00		88	82-119		
1,4-Dichlorobenzene	16.4	ug/L	20.00		82	78-118		
2-Chloroethylvinyl ether	17.9	ug/L	20.00		89	66-138		
Acrolein	81.3	ug/L	100.0		81	38-156		
Acrylonitrile	18.6	ug/L	20.00		93	43-121		
Benzene	17.2	ug/L	20.00		86	84-114		
Bromodichloromethane	17.6	ug/L	20.00		88	82-116		
Bromoform	18.8	ug/L	20.00		94	65-115		
Bromomethane	21.3	ug/L	20.00		107	28-143		
Carbon tetrachloride	16.1	ug/L	20.00		80	72-131		
Chlorobenzene	16.7	ug/L	20.00		84	82-112		
Chloroethane	13.5	ug/L	20.00		68	41-126		
Chloroform	17.1	ug/L	20.00		85	78-124		
Chloromethane	16.0	ug/L	20.00		80	52-110		
cis-1,3-Dichloropropene	17.3	ug/L	20.00		87	82-116		
Dibromochloromethane	19.0	ug/L	20.00		95	83-119		
Ethylbenzene	17.2	ug/L	20.00		86	85-118		
m,p-Xylene	34.9	ug/L	40.00		87	80-111		
Methylene chloride	18.9	ug/L	20.00		94	78-140		
o-Xylene	16.6	ug/L	20.00		83	81-111		
Tetrachloroethene	15.6	ug/L	20.00		78	65-135		
Toluene	17.2	ug/L	20.00		86	81-120		
trans-1,2-Dichloroethene	16.0	ug/L	20.00		80	70-136		
trans-1,3-Dichloropropene	16.5	ug/L	20.00		82	82-113		
Trichloroethene	17.6	ug/L	20.00		88	84-125		
Trichlorofluoromethane	15.3	ug/L	20.00		77	70-138		
Vinyl chloride	17.6	ug/L	20.00		88	56-112		
Surrogate: 1,2-Dichloroethane-d4	34.1	ug/L	30.00		114	65.3-134		
Surrogate: Toluene-d8	30.8	ug/L	30.00		103	73.2-119		
Surrogate: Bromofluorobenzene	31.2	ug/L	30.00		104	77.8-123		
Matrix Spike (B307057-MS1)			Source: 3043573-02		Prepared & Analyzed: 05/03/13			
1,1,1-Trichloroethane	14.0	ug/L	20.00	ND	70	58-143		
1,1,2,2-Tetrachloroethane	17.0	ug/L	20.00	ND	85	70-133		



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Revised Laboratory Results

Volatile Organics - Quality Control

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



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Revised Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306625 - 04 SW 3510 (625/8270)								
Blank (B306625-BLK1)			Prepared & Analyzed: 04/29/13					
1,2,4-Trichlorobenzene	< 10.0	ug/L						
1,2-Dichlorobenzene	< 10.0	ug/L						
1,3-Dichlorobenzene	< 10.0	ug/L						
1,4-Dichlorobenzene	< 10.0	ug/L						
2,4,5-Trichlorophenol	< 10.0	ug/L						
2,4,6-Trichlorophenol	< 10.0	ug/L						
2,4-Dichlorophenol	< 10.0	ug/L						
2,4-Dimethylphenol	< 10.0	ug/L						
2,4-Dinitrophenol	< 10.0	ug/L						
2,4-Dinitrotoluene	< 10.0	ug/L						
2,6-Dimethylaniline	< 5.00	ug/L						
2,6-Dinitrotoluene	< 10.0	ug/L						
2-Chloronaphthalene	< 10.0	ug/L						
2-Chlorophenol	< 10.0	ug/L						
2-Nitrophenol	< 10.0	ug/L						
3,3'-Dichlorobenzidine	< 10.0	ug/L						
4,6-Dinitro-2-methylphenol	< 10.0	ug/L						
4-Bromophenylphenyl ether	< 10.0	ug/L						
4-Chloro-3-methylphenol	< 10.0	ug/L						
4-Chlorophenylphenyl ether	< 10.0	ug/L						
4-Nitrophenol	< 10.0	ug/L						
Acenaphthene	< 10.0	ug/L						
Acenaphthylene	< 10.0	ug/L						
Anthracene	< 10.0	ug/L						
Azobenzene	< 10.0	ug/L						
Benzidine	< 10.0	ug/L						
Benzo(a)anthracene	< 10.0	ug/L						
Benzo(a)pyrene	< 10.0	ug/L						
Benzo(b&k)fluoranthene	< 10.0	ug/L						
Benzo(b)fluoranthene	< 10.0	ug/L						
Benzo(g,h,i)perylene	< 10.0	ug/L						
Benzo(k)fluoranthene	< 10.0	ug/L						
Bis(2-chloroethoxy) methane	< 10.0	ug/L						
Bis(2-chloroethyl) ether	< 10.0	ug/L						
Bis(2-chloroisopropyl) ether	< 10.0	ug/L						
Bis(2-ethylhexyl) phthalate	< 10.0	ug/L						
Butyl benzyl phthalate	< 10.0	ug/L						
Chrysene	< 10.0	ug/L						
Dibenzo(a,h)anthracene	< 10.0	ug/L						



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Revised Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306625 - 04 SW 3510 (625/8270)								
Blank (B306625-BLK1)			Prepared & Analyzed: 04/29/13					
Diethyl phthalate	< 10.0	ug/L						
Dimethyl phthalate	< 10.0	ug/L						
Di-n-butyl phthalate	< 10.0	ug/L						
Di-n-octyl phthalate	< 10.0	ug/L						
Diphenylamine	< 10.0	ug/L						
Fluoranthene	< 10.0	ug/L						
Fluorene	< 10.0	ug/L						
Hexachlorobenzene	< 10.0	ug/L						
Hexachlorobutadiene	< 10.0	ug/L						
Hexachlorocyclopentadiene	< 10.0	ug/L						
Hexachloroethane	< 10.0	ug/L						
Indeno(1,2,3-cd)pyrene	< 10.0	ug/L						
Isophorone	< 10.0	ug/L						
Naphthalene	< 10.0	ug/L						
Nitrobenzene	< 10.0	ug/L						
N-Nitrosodimethylamine	< 10.0	ug/L						
N-Nitrosodi-n-propylamine	< 10.0	ug/L						
Pentachlorophenol	< 10.0	ug/L						
Phenanthrene	< 10.0	ug/L						
Phenol	< 10.0	ug/L						
Pyrene	< 10.0	ug/L						
1,4-Dichlorobenzene-d4	40	ug/L				0-200		
Naphthalene-d8	40	ug/L				0-200		
Acenaphthene-d10	40	ug/L				0-200		
Phenanthrene-d10	40	ug/L				0-200		
Chrysene-d12	40	ug/L				0-200		
Perylene-d12	40	ug/L				0-200		
Surrogate: 2-Fluorophenol	56	ug/L	80.00		70	52.2-99.4		
Surrogate: Phenol- d5	58	ug/L	80.00		72	56.8-100		
Surrogate: Nitrobenzene-d5	57	ug/L	80.00		71	62.4-112		
Surrogate: 2-Fluorobiphenyl	60	ug/L	80.00		74	58-107		
Surrogate: 2,4,6-Tribromophenol	61	ug/L	80.00		77	37.6-118		
Surrogate: p-Terphenyl-d14	57	ug/L	80.00		72	42.1-123		
LCS (B306625-BS1)			Prepared & Analyzed: 04/29/13					
1,2,4-Trichlorobenzene	51	ug/L	80.00		64	56-88		
1,2-Dichlorobenzene	52	ug/L	80.00		65	56-86		
1,3-Dichlorobenzene	50	ug/L	80.00		62	54-84		
1,4-Dichlorobenzene	51	ug/L	80.00		63	55-87		
2,4,5-Trichlorophenol	60	ug/L	80.00		75	54-107		



PDC Laboratories, Inc.

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

Date Received: 04/26/13 15:46
Report Date: 05/06/13
Customer #: 277310

Revised Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306625 - 04 SW 3510 (625/8270)								
LCS (B306625-BS1)			Prepared & Analyzed: 04/29/13					
2,4,6-Trichlorophenol	59	ug/L	80.00		74	53-108		
2,4-Dichlorophenol	55	ug/L	80.00		68	57-100		
2,4-Dimethylphenol	56	ug/L	80.00		69	58-99		
2,4-Dinitrophenol	76	ug/L	80.00		95	41-122		
2,4-Dinitrotoluene	55	ug/L	80.00		68	46-100		
2,6-Dimethylaniline	53	ug/L				56-92		
2,6-Dinitrotoluene	57	ug/L	80.00		71	53-100		
2-Chloronaphthalene	53	ug/L	80.00		66	54-90		
2-Chlorophenol	58	ug/L	80.00		73	59-97		
2-Methylnaphthalene	56	ug/L				51-95		
2-Methylphenol	57	ug/L	80.00		71	56-107		
2-Nitroaniline	54	ug/L				51-97		
2-Nitrophenol	57	ug/L	80.00		71	56-105		
3- & 4-Methylphenol	58	ug/L	80.00		72	56-100		
3,3'-Dichlorobenzidine	68	ug/L	80.00		85	50-107		
3-Nitroaniline	54	ug/L				54-93		
4,6-Dinitro-2-methylphenol	70	ug/L	80.00		87	51-102		
4-Bromophenylphenyl ether	54	ug/L	80.00		68	52-97		
4-Chloro-3-methylphenol	58	ug/L	80.00		72	58-102		
4-Chloroaniline	53	ug/L				59-89		
4-Chlorophenylphenyl ether	54	ug/L	80.00		67	52-98		
4-Nitroaniline	60	ug/L				58-88		
4-Nitrophenol	61	ug/L	80.00		76	47-114		
Acenaphthene	52	ug/L	80.00		65	54-93		
Acenaphthylene	52	ug/L	80.00		65	56-93		
Aniline	52	ug/L				53-96		
Anthracene	53	ug/L	80.00		67	57-94		
Azobenzene	54	ug/L	80.00		67	44-98		
Benzidine	12	ug/L	80.00		15	10-68		
Benzo(a)anthracene	49	ug/L	80.00		61	45-94		
Benzo(a)pyrene	56	ug/L	80.00		70	50-111		
Benzo(b&k)fluoranthene	112	ug/L	160.0		70	52-102		
Benzo(b)fluoranthene	55	ug/L	80.00		69	50-108		
Benzo(g,h,i)perylene	68	ug/L	80.00		84	45-102		
Benzo(k)fluoranthene	62	ug/L	80.00		77	50-98		
Benzoic Acid	84	ug/L	80.00		104	43-117		
Benzyl alcohol	55	ug/L				53-92		
Bis(2-chloroethoxy) methane	48	ug/L	80.00		59	52-89		
Bis(2-chloroethyl) ether	49	ug/L	80.00		61	55-88		



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Revised Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306625 - 04 SW 3510 (625/8270)								
LCS (B306625-BS1)			Prepared & Analyzed: 04/29/13					
Bis(2-chloroisopropyl) ether	47	ug/L	80.00		59	37-81		
Bis(2-ethylhexyl) phthalate	54	ug/L	80.00		68	44-97		
Butyl benzyl phthalate	54	ug/L	80.00		67	44-96		
Carbazole	54	ug/L				57-88		
Chrysene	56	ug/L	80.00		70	50-100		
Dibenzo(a,h)anthracene	65	ug/L	80.00		81	53-99		
Dibenzofuran	55	ug/L				58-91		
Diethyl phthalate	52	ug/L	80.00		65	53-92		
Dimethyl phthalate	55	ug/L	80.00		68	53-93		
Di-n-butyl phthalate	52	ug/L	80.00		65	55-96		
Di-n-octyl phthalate	53	ug/L	80.00		66	42-110		
Diphenylamine	66	ug/L	80.00		82	49-97		
Fluoranthene	54	ug/L	80.00		67	56-92		
Fluorene	53	ug/L	80.00		66	52-97		
Hexachlorobenzene	55	ug/L	80.00		69	51-98		
Hexachlorobutadiene	50	ug/L	80.00		63	54-92		
Hexachlorocyclopentadiene	42	ug/L	80.00		52	27-85		
Hexachloroethane	50	ug/L	80.00		63	56-83		
Indeno(1,2,3-cd)pyrene	65	ug/L	80.00		81	50-106		
Isophorone	47	ug/L	80.00		58	52-85		
Naphthalene	51	ug/L	80.00		64	59-87		
Nitrobenzene	48	ug/L	80.00		60	48-95		
N-Nitrosodimethylamine	43	ug/L	80.00		53	53-90		
N-Nitrosodi-n-propylamine	47	ug/L	80.00		58	47-87		
Pentachlorophenol	71	ug/L	80.00		88	49-128		
Phenanthrene	54	ug/L	80.00		67	55-95		
Phenol	53	ug/L	80.00		67	55-96		
Pyrene	57	ug/L	80.00		71	51-98		
Pyridine	48	ug/L				44-89		
1,4-Dichlorobenzene-d4	40	ug/L				0-200		
Naphthalene-d8	40	ug/L				0-200		
Acenaphthene-d10	40	ug/L				0-200		
Phenanthrene-d10	40	ug/L				0-200		
Chrysene-d12	40	ug/L				0-200		
Perylene-d12	40	ug/L				0-200		
Surrogate: 2-Fluorophenol	51	ug/L	80.00		64	52.2-99.4		
Surrogate: Phenol- d5	52	ug/L	80.00		65	56.8-100		
Surrogate: Nitrobenzene-d5	52	ug/L	80.00		65	62.4-112		
Surrogate: 2-Fluorobiphenyl	56	ug/L	80.00		70	58-107		



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Date Received: 04/26/13 15:46
Report Date: 05/06/13
Customer #: 277310

Revised Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306625 - 04 SW 3510 (625/8270)								
LCS (B306625-BS1)			Prepared & Analyzed: 04/29/13					
Surrogate: 2,4,6-Tribromophenol	60	ug/L	80.00		75	37.6-118		
Surrogate: p-Terphenyl-d14	53	ug/L	80.00		66	42.1-123		
Matrix Spike (B306625-MS1)			Source: 3043568-01			Prepared & Analyzed: 04/29/13		
1,2,4-Trichlorobenzene	X 26	ug/L	80.00	ND	32	36-94		
1,2-Dichlorobenzene	X < 200	ug/L	80.00	ND		17-110		
1,3-Dichlorobenzene	X < 200	ug/L	80.00	ND		27-89		
1,4-Dichlorobenzene	X 38	ug/L	80.00	ND	48	34-87		
2,4,5-Trichlorophenol	X 29	ug/L	80.00	ND	36	15-100		
2,4,6-Trichlorophenol	X 30	ug/L	80.00	ND	37	22-101		
2,4-Dichlorophenol	X 33	ug/L	80.00	ND	42	10-100		
2,4-Dimethylphenol	X < 200	ug/L	80.00	79	NR	10-94		
2,4-Dinitrophenol	X < 200	ug/L	80.00	ND		10-117		
2,4-Dinitrotoluene	X < 200	ug/L	80.00	ND		34-99		
2,6-Dimethylaniline	X 45	ug/L		ND		10-76		
2,6-Dinitrotoluene	X 37	ug/L	80.00	ND	46	39-101		
2-Chloronaphthalene	X 29	ug/L	80.00	ND	37	39-94		
2-Chlorophenol	X < 200	ug/L	80.00	ND		12-79		
2-Methylnaphthalene	X 44	ug/L		ND		38-98		
2-Methylphenol	X 428	ug/L	80.00	413	18	10-98		
2-Nitroaniline	X < 200	ug/L		ND		39-95		
2-Nitrophenol	X < 200	ug/L	80.00	ND		16-102		
3- & 4-Methylphenol	X 1480	ug/L	80.00	1370	137	10-87		
3,3'-Dichlorobenzidine	X < 200	ug/L	80.00	ND		10-112		
3-Nitroaniline	X < 200	ug/L		ND		10-87		
4,6-Dinitro-2-methylphenol	X < 200	ug/L	80.00	ND		10-113		
4-Bromophenylphenyl ether	X 25	ug/L	80.00	ND	32	38-103		
4-Chloro-3-methylphenol	X 88	ug/L	80.00	ND	110	10-90		
4-Chloroaniline	X 20	ug/L		ND		10-75		
4-Chlorophenylphenyl ether	X < 200	ug/L	80.00	ND		40-101		
4-Nitroaniline	X < 200	ug/L		ND		10-104		
4-Nitrophenol	X 143	ug/L	80.00	ND	178	10-72		
Acenaphthene	X 28	ug/L	80.00	ND	34	41-98		
Acenaphthylene	X 24	ug/L	80.00	ND		41-98		
Aniline	X < 200	ug/L		ND		10-81		
Anthracene	X 69	ug/L	80.00	ND	86	40-102		
Azobenzene	X < 200	ug/L	80.00	ND		36-100		
Benzidine	X < 200	ug/L	80.00	ND		10-55		
Benzo(a)anthracene	X < 200	ug/L	80.00	ND		34-99		
Benzo(a)pyrene	X 24	ug/L	80.00	ND	30	39-114		



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

Date Received: 04/26/13 15:46
Report Date: 05/06/13
Customer #: 277310

Revised Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306625 - 04 SW 3510 (625/8270)								
Matrix Spike (B306625-MS1)	Source: 3043568-01		Prepared & Analyzed: 04/29/13					
Benzo(b&k)fluoranthene	X 49	ug/L	160.0	ND	31	37-112		
Benzo(b)fluoranthene	X < 200	ug/L	80.00	ND		33-128		
Benzo(g,h,i)perylene	X < 200	ug/L	80.00	ND		25-106		
Benzo(k)fluoranthene	X 77	ug/L	80.00	ND	96	33-104		
Benzoic Acid	X 2270	ug/L	80.00	2820	NR	10-62		
Benzyl alcohol	X < 200	ug/L		ND		10-85		
Bis(2-chloroethoxy) methane	X 23	ug/L	80.00	ND	29	28-91		
Bis(2-chloroethyl) ether	X 68	ug/L	80.00	ND	85	10-109		
Bis(2-chloroisopropyl) ether	X < 200	ug/L	80.00	ND		10-105		
Bis(2-ethylhexyl) phthalate	X < 200	ug/L	80.00	ND		32-106		
Butyl benzyl phthalate	X < 200	ug/L	80.00	ND		32-98		
Carbazole	X 39	ug/L		ND		50-97		
Chrysene	X 26	ug/L	80.00	ND	33	40-104		
Dibenzo(a,h)anthracene	X < 200	ug/L	80.00	ND		32-104		
Dibenzofuran	X 31	ug/L		ND		29-117		
Diethyl phthalate	X < 200	ug/L	80.00	ND		36-99		
Dimethyl phthalate	X 26	ug/L	80.00	ND	33	30-94		
Di-n-butyl phthalate	X < 200	ug/L	80.00	ND		42-101		
Di-n-octyl phthalate	X < 200	ug/L	80.00	ND		30-123		
Diphenylamine	X 34	ug/L	80.00	ND	42	23-110		
Fluoranthene	X < 200	ug/L	80.00	ND		39-100		
Fluorene	X < 200	ug/L	80.00	ND		40-100		
Hexachlorobenzene	X < 200	ug/L	80.00	ND		35-104		
Hexachlorobutadiene	X < 200	ug/L	80.00	ND		32-99		
Hexachlorocyclopentadiene	X 129	ug/L	80.00	ND	162	10-90		
Hexachloroethane	X < 200	ug/L	80.00	ND		15-102		
Indeno(1,2,3-cd)pyrene	X 27	ug/L	80.00	ND	34	32-108		
Isophorone	X 51	ug/L	80.00	ND	63	29-85		
Naphthalene	X 65	ug/L	80.00	41	30	38-97		
Nitrobenzene	X 332	ug/L	80.00	295	46	22-102		
N-Nitrosodimethylamine	X < 200	ug/L	80.00	ND		10-60		
N-Nitrosodi-n-propylamine	X 62	ug/L	80.00	ND	78	10-110		
Pentachlorophenol	X 150	ug/L	80.00	ND	188	11-127		
Phenanthrene	X 28	ug/L	80.00	ND	35	39-101		
Phenol	X 3030	ug/L	80.00	3350	NR	10-39		
Pyrene	X 27	ug/L	80.00	ND	34	38-106		
Pyridine	X 69	ug/L		65		10-23		
1,4-Dichlorobenzene-d4	X 800	ug/L				0-200		
Naphthalene-d8	X 800	ug/L				0-200		



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St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 04/26/13 15:46
Report Date: 05/06/13
Customer #: 277310

Revised Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306625 - 04 SW 3510 (625/8270)								
Matrix Spike (B306625-MS1)		Source: 3043568-01		Prepared & Analyzed: 04/29/13				
Acenaphthene-d10	X	800	ug/L			0-200		
Phenanthrene-d10	X	800	ug/L			0-200		
Chrysene-d12	X	800	ug/L			0-200		
Perylene-d12	X	800	ug/L			0-200		
Surrogate: 2-Fluorophenol	S, X	14	ug/L	80.00	18	10-35		
Surrogate: Phenol- d5	S, X	39	ug/L	80.00	48	10-26		
Surrogate: Nitrobenzene-d5	S, X	62	ug/L	80.00	78	22-105		
Surrogate: 2-Fluorobiphenyl	S, X	26	ug/L	80.00	32	30-97		
Surrogate: 2,4,6-Tribromophenol	S, X	12	ug/L	80.00	16	10-93		
Surrogate: p-Terphenyl-d14	S, X	24	ug/L	80.00	30	22-115		



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St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 04/26/13 15:46
Report Date: 05/06/13
Customer #: 277310

Revised Laboratory Results

Notes

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

- PIA PDC Laboratories - Peoria, IL
NELAC Accreditation for Drinking Water, Wastewater, Hazardous and Solid Wastes Fields of Testing through IL EPA Lab No. 100230
Illinois Department of Public Health Bacteriological Analysis in Drinking Water Approved Laboratory Registry No. 17553
Drinking Water Certifications: Kansas (E-10338); Missouri (870); Wisconsin (998284430); Indiana (C-IL-040); Iowa (240)
Wastewater Certifications: Arkansas (88-0677); Wisconsin (998284430); Iowa (240); Kansas (E-10335)
Hazardous/Solid Waste Certifications: Arkansas (88-0677); Wisconsin (998284430); Iowa (240); Kansas (E-10335)
UST Certification; Iowa (240)
- SPM PDC Laboratories - Springfield, MO
EPA DMR-QA Program
- STL PDC Laboratories - St. Louis, MO
NELAC Accreditation for Wastewater, Hazardous and Solid Wastes Fields of Testing
Drinking Water Certifications: Kansas (E-10389)

- X Matrix spike diluted below reliable level.
- S Surrogate compound diluted below a reliable quantitation level.
- 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
- H Test performed after the expiration of the appropriate regulatory/advisory maximum allowable hold time.

Certified by: Roxann Shull, Client Services Supervisor



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

CHAIN OF CUSTODY RECORD
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 Fax (314) 432-4977

State where samples collected MO

(Instructions/Sample Acceptance Policy on Reverse)

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

1 CLIENT Bridgeton L.F. ADDRESS 13570 St. Charles Rock Rd. CITY STATE ZIP Bridgeton, MO 63044 CONTACT PERSON Ed Galbraith / SCOTT C. FEDAK		PROJECT NUMBER P. O. NUMBER MEANS SHIPPED PHONE NUMBER FAX NUMBER EMAIL ADDRESS edgalbraith@thebar.com scott.c.fedak@pdc-lab.com		3 ANALYSIS REQUESTED COD (4147, 5220C) TSS (2540D) NH ₃ as N (350.1 REU) PH (150.1) 0.1 & GreenSc (1001 PA) VOCs (624) SVOCs (625) Metals (1001 & 1002) Metals (1001 & 1002)		4 (FOR LAB USE ONLY) LOGIN # 3043767 LOGGED BY: LF LAB PROJ. # TEMPLATE: PROJ. MGR.:	
2 SAMPLE DESCRIPTION AS YOU WANT ON REPORT		DATE COLLECTED TIME COLLECTED SAMPLE TYPE MATRIX Bottle Count		ANALYSIS REQUESTED COD (4147, 5220C) TSS (2540D) NH ₃ as N (350.1 REU) PH (150.1) 0.1 & GreenSc (1001 PA) VOCs (624) SVOCs (625) Metals (1001 & 1002)		REMARKS	
MSD BATCH 07		4/26/13 1300		X		L'CHT 8	
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> Fastrak™ (3 Bus. Days) 1-2 Bus. Days Same Day DATE DUE _____ RESULTS BY: <u>E-MAIL</u> FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE		The sample temperature will be measured upon receipt at the lab. By initialing this area, you request that the lab notify you, before proceeding with analysis, if the sample temperature is outside of the range of 0.1-6.0°C. By not initialing this area, you allow the lab to proceed with analytical testing regardless of the sample temperature.					
7 RELINQUISHED BY: (SIGNATURE) Scott C. Fedak		DATE 4/26/13		TIME 1515		RECEIVED BY: Heather Calbraith	
RELINQUISHED BY: (SIGNATURE)		DATE		TIME		RECEIVED BY:	
RELINQUISHED BY: (SIGNATURE)		DATE		TIME		RECEIVED BY:	
RELINQUISHED BY: (SIGNATURE)		DATE		TIME		RECEIVED BY:	
8 COMMENTS: (FOR LAB USE ONLY) SAMPLE TEMPERATURE UPON RECEIPT 4.8 °C CHILL PROCESS STARTED PRIOR TO RECEIPT SAMPLE(S) RECEIVED ON ICE PROPER BOTTLES RECEIVED IN GOOD CONDITION BOTTLES FILLED WITH ADEQUATE VOLUME SAMPLES RECEIVED WITHIN HOLD TIME(S) (EXCLUDES TYPICAL FIELD PARAMETERS) DATE AND TIME TAKEN FROM SAMPLE BOTTLE						Y OR N Y OR N Y OR N Y OR N Y OR N	

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



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

Date Received: 04/29/13 10:27
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Sample No: **3043816-01**
Sample Description: **MSD Batch 71**

Collect Date: **04/28/13 10:40**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
General Chemistry - STL					
COD	40000 mg/L		04/29/13 13:00	DAW	SM 5220D 18Ed 04KS
Oil & Grease - total	< 60 mg/L		05/01/13 09:00	mep	EPA 1664A 04KS
pH	5.8 pH Units	H	04/29/13 10:30	ACV	SM 4500-H B 04KS 18Ed - EPA 150.1 - SW 9040B
Solids - total suspended solids (TSS)	1200 mg/L		04/29/13 15:10	DAW	SM 2540D 18Ed 04KS
Nutrients - STL					
Ammonia-N	660 mg/L		04/29/13 12:00	ACV	SM(18) 4500 NH3 04KS F
Semivolatile Organics - STL					
1,2,4-Trichlorobenzene	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
1,2-Dichlorobenzene	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625*
1,3-Dichlorobenzene	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625*
1,4-Dichlorobenzene	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625*
2,4,5-Trichlorophenol	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625*
2,4,6-Trichlorophenol	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
2,4-Dichlorophenol	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
2,4-Dimethylphenol	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
2,4-Dinitrophenol	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
2,4-Dinitrotoluene	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
2,6-Dimethylaniline	< 100 ug/L	X	05/04/13 05:50	jk	EPA 625*
2,6-Dinitrotoluene	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
2-Chloronaphthalene	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
2-Chlorophenol	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
2-Nitrophenol	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
3,3'-Dichlorobenzidine	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
4,6-Dinitro-2-methylphenol	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625*
4-Bromophenylphenyl ether	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
4-Chloro-3-methylphenol	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
4-Chlorophenylphenyl ether	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
4-Nitrophenol	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
Acenaphthene	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
Acenaphthylene	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
Anthracene	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS



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

Date Received: 04/29/13 10:27
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Sample No: **3043816-01**
Sample Description: **MSD Batch 71**

Collect Date: **04/28/13 10:40**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
Azobenzene	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625*
Benzidine	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625*
Benzo(a)anthracene	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
Benzo(a)pyrene	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
Benzo(b&k)fluoranthene	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
Benzo(b)fluoranthene	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
Benzo(g,h,i)perylene	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
Benzo(k)fluoranthene	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
Bis(2-chloroethoxy) methane	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
Bis(2-chloroethyl) ether	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
Bis(2-chloroisopropyl) ether	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
Bis(2-ethylhexyl) phthalate	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
Butyl benzyl phthalate	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
Chrysene	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
Dibenzo(a,h)anthracene	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
Diethyl phthalate	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
Dimethyl phthalate	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
Di-n-butyl phthalate	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
Di-n-octyl phthalate	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
Diphenylamine	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
Fluoranthene	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
Fluorene	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
Hexachlorobenzene	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
Hexachlorobutadiene	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
Hexachlorocyclopentadiene	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
Hexachloroethane	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
Indeno(1,2,3-cd)pyrene	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
Isophorone	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
Naphthalene	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
Nitrobenzene	530 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
N-Nitrosodimethylamine	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
N-Nitrosodi-n-propylamine	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS
Pentachlorophenol	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625 04KS



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

Date Received: 04/29/13 10:27
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Sample No: **3043816-01**
Sample Description: **MSD Batch 71**

Collect Date: **04/28/13 10:40**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
<u>Semivolatile Organics - STL</u>						
Phenanthrene	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625	04KS
Phenol	5090 ug/L	X	05/04/13 02:15	jk	EPA 625	04KS
Pyrene	< 200 ug/L	X	05/04/13 05:50	jk	EPA 625	04KS
Surrogate: 2-Fluorophenol	34 % 10-35	S, X	05/04/13 05:50	jk	EPA 625	
Surrogate: Phenol- d5	102 % 10-26	S, X	05/04/13 05:50	jk	EPA 625	
Surrogate: Nitrobenzene-d5	113 % 22-105	S, X	05/04/13 05:50	jk	EPA 625	
Surrogate: 2-Fluorobiphenyl	41 % 30-97	S, X	05/04/13 05:50	jk	EPA 625	
Surrogate: 2,4,6-Tribromophenol	16 % 10-93	S, X	05/04/13 05:50	jk	EPA 625	
Surrogate: p-Terphenyl-d14	45 % 22-115	S, X	05/04/13 05:50	jk	EPA 625	
<u>Soluble Metals - STL</u>						
Mercury	< 0.0020 mg/L		04/30/13 12:12	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Antimony	0.055 mg/L		05/01/13 13:31	WPS	EPA 200.7 R4.4	04KS
Copper	< 0.0020 mg/L		05/01/13 13:31	WPS	EPA 200.7 R4.4	04KS
Silver	< 0.0020 mg/L		05/01/13 13:31	WPS	EPA 200.7 R4.4	04KS
Arsenic	0.44 mg/L		05/01/13 13:31	WPS	EPA 200.7 R4.4	04KS
Beryllium	0.0012 mg/L		05/01/13 13:31	WPS	EPA 200.7 R4.4	04KS
Cadmium	0.048 mg/L		05/01/13 13:31	WPS	EPA 200.7 R4.4	04KS
Chromium	0.20 mg/L		05/01/13 13:31	WPS	EPA 200.7 R4.4	04KS
Iron	580 mg/L		05/01/13 12:37	WPS	EPA 200.7 R4.4	04KS
Lead	0.10 mg/L		05/01/13 13:31	WPS	EPA 200.7 R4.4	04KS
Nickel	0.071 mg/L		05/01/13 13:31	WPS	EPA 200.7 R4.4	04KS
Selenium	0.031 mg/L		05/01/13 13:31	WPS	EPA 200.7 R4.4	04KS
Thallium	0.025 mg/L		05/01/13 13:31	WPS	EPA 200.7 R4.4	04KS
Zinc	12 mg/L		05/01/13 13:31	WPS	EPA 200.7 R4.4	04KS
<u>Total Metals - STL</u>						
Mercury	0.014 mg/L		04/30/13 12:12	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Antimony	0.060 mg/L		05/01/13 13:35	WPS	EPA 200.7 R4.4	04KS
Arsenic	0.48 mg/L		05/01/13 13:35	WPS	EPA 200.7 R4.4	04KS
Beryllium	0.0017 mg/L		05/01/13 13:35	WPS	EPA 200.7 R4.4	04KS
Cadmium	0.062 mg/L		05/01/13 13:35	WPS	EPA 200.7 R4.4	04KS
Chromium	0.23 mg/L		05/01/13 13:35	WPS	EPA 200.7 R4.4	04KS
Copper	< 0.0020 mg/L		05/01/13 13:35	WPS	EPA 200.7 R4.4	04KS



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

Date Received: 04/29/13 10:27
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Sample No: **3043816-01**
Sample Description: **MSD Batch 71**

Collect Date: **04/28/13 10:40**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Total Metals - STL</u>					
Iron	780 mg/L		05/01/13 12:54	WPS	EPA 200.7 R4.4 04KS
Lead	0.16 mg/L		05/01/13 13:35	WPS	EPA 200.7 R4.4 04KS
Nickel	0.082 mg/L		05/01/13 13:35	WPS	EPA 200.7 R4.4 04KS
Selenium	0.017 mg/L		05/01/13 13:35	WPS	EPA 200.7 R4.4 04KS
Silver	< 0.0020 mg/L		05/01/13 13:35	WPS	EPA 200.7 R4.4 04KS
Thallium	< 0.020 mg/L		05/01/13 13:35	WPS	EPA 200.7 R4.4 04KS
Zinc	13 mg/L		05/01/13 13:35	WPS	EPA 200.7 R4.4 04KS
<u>Volatile Organics - STL</u>					
1,1,1-Trichloroethane	< 100 ug/L		04/30/13 23:24	BP	EPA 624 04KS
1,1,2,2-Tetrachloroethane	< 100 ug/L		04/30/13 23:24	BP	EPA 624 04KS
1,1,2-Trichloroethane	< 100 ug/L		04/30/13 23:24	BP	EPA 624 04KS
1,1-Dichloroethane	< 100 ug/L		04/30/13 23:24	BP	EPA 624 04KS
1,1-Dichloroethene	< 100 ug/L		04/30/13 23:24	BP	EPA 624 04KS
1,2-Dichlorobenzene	< 100 ug/L		04/30/13 23:24	BP	EPA 624 04KS
1,2-Dichloroethane	< 100 ug/L		04/30/13 23:24	BP	EPA 624 04KS
1,2-Dichloropropane	< 100 ug/L		04/30/13 23:24	BP	EPA 624 04KS
1,3-Dichlorobenzene	< 100 ug/L		04/30/13 23:24	BP	EPA 624 04KS
1,4-Dichlorobenzene	< 100 ug/L		04/30/13 23:24	BP	EPA 624 04KS
2-Chloroethylvinyl ether	< 100 ug/L		04/30/13 23:24	BP	EPA 624 04KS
Acrolein	< 500 ug/L		04/30/13 23:24	BP	EPA 624 04KS
Acrylonitrile	< 200 ug/L		04/30/13 23:24	BP	EPA 624 04KS
Benzene	< 100 ug/L		04/30/13 23:24	BP	EPA 624 04KS
Bromodichloromethane	< 100 ug/L		04/30/13 23:24	BP	EPA 624 04KS
Bromoform	< 100 ug/L		04/30/13 23:24	BP	EPA 624 04KS
Bromomethane	< 200 ug/L		04/30/13 23:24	BP	EPA 624 04KS
Carbon tetrachloride	< 100 ug/L		04/30/13 23:24	BP	EPA 624 04KS
Chlorobenzene	< 100 ug/L		04/30/13 23:24	BP	EPA 624 04KS
Chloroethane	< 200 ug/L		04/30/13 23:24	BP	EPA 624 04KS
Chloroform	< 100 ug/L		04/30/13 23:24	BP	EPA 624 04KS
Chloromethane	< 200 ug/L		04/30/13 23:24	BP	EPA 624 04KS
cis-1,3-Dichloropropene	< 100 ug/L		04/30/13 23:24	BP	EPA 624 04KS
Dibromochloromethane	< 100 ug/L		04/30/13 23:24	BP	EPA 624 04KS
Ethylbenzene	< 100 ug/L		04/30/13 23:24	BP	EPA 624 04KS

3043816



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

Date Received: 04/29/13 10:27
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Sample No: **3043816-01**
Sample Description: **MSD Batch 71**

Collect Date: **04/28/13 10:40**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - STL</u>					
m,p-Xylene	< 200 ug/L		04/30/13 23:24	BP	EPA 624*
Methylene chloride	< 100 ug/L		04/30/13 23:24	BP	EPA 624 04KS
o-Xylene	< 100 ug/L		04/30/13 23:24	BP	EPA 624*
Tetrachloroethene	< 100 ug/L		04/30/13 23:24	BP	EPA 624 04KS
Toluene	< 100 ug/L		04/30/13 23:24	BP	EPA 624 04KS
trans-1,2-Dichloroethene	< 100 ug/L		04/30/13 23:24	BP	EPA 624 04KS
trans-1,3-Dichloropropene	< 100 ug/L		04/30/13 23:24	BP	EPA 624 04KS
Trichloroethene	< 100 ug/L		04/30/13 23:24	BP	EPA 624 04KS
Trichlorofluoromethane	< 100 ug/L		04/30/13 23:24	BP	EPA 624 04KS
Vinyl chloride	< 100 ug/L		04/30/13 23:24	BP	EPA 624 04KS
Surrogate: 1,2-Dichloroethane-d4	103 % 65-134		04/30/13 23:24	BP	EPA 624
Surrogate: Toluene-d8	96 % 74.2-117		04/30/13 23:24	BP	EPA 624
Surrogate: Bromofluorobenzene	103 % 74.1-125		04/30/13 23:24	BP	EPA 624

Sample No: **3043816-01RE1**
Sample Description: **MSD Batch 71**

Collect Date: **04/28/13 10:40**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - STL</u>					
Acetone	57000 ug/L		05/03/13 13:43	BP	EPA 624*
Surrogate: 1,2-Dichloroethane-d4	101 % 65-134		05/03/13 13:43	BP	EPA 624
Surrogate: Toluene-d8	95 % 74.2-117		05/03/13 13:43	BP	EPA 624
Surrogate: Bromofluorobenzene	104 % 74.1-125		05/03/13 13:43	BP	EPA 624

Sample No: **3043816-02**
Sample Description: **Trip Blank**

Collect Date: **04/26/13 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - STL</u>					
1,1,1-Trichloroethane	< 5.0 ug/L		04/30/13 20:47	BP	EPA 624 04KS

3043816



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Attn: Bryan Sehie

Date Received: 04/29/13 10:27
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Sample No: **3043816-02**
Sample Description: **Trip Blank**

Collect Date: **04/26/13 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
1,1,2,2-Tetrachloroethane	< 5.0 ug/L		04/30/13 20:47	BP	EPA 624 04KS
1,1,2-Trichloroethane	< 5.0 ug/L		04/30/13 20:47	BP	EPA 624 04KS
1,1-Dichloroethane	< 5.0 ug/L		04/30/13 20:47	BP	EPA 624 04KS
1,1-Dichloroethene	< 5.0 ug/L		04/30/13 20:47	BP	EPA 624 04KS
1,2-Dichlorobenzene	< 5.0 ug/L		04/30/13 20:47	BP	EPA 624 04KS
1,2-Dichloroethane	< 5.0 ug/L		04/30/13 20:47	BP	EPA 624 04KS
1,2-Dichloropropane	< 5.0 ug/L		04/30/13 20:47	BP	EPA 624 04KS
1,3-Dichlorobenzene	< 5.0 ug/L		04/30/13 20:47	BP	EPA 624 04KS
1,4-Dichlorobenzene	< 5.0 ug/L		04/30/13 20:47	BP	EPA 624 04KS
2-Chloroethylvinyl ether	< 5.0 ug/L		04/30/13 20:47	BP	EPA 624 04KS
Acrolein	< 25 ug/L		04/30/13 20:47	BP	EPA 624 04KS
Acrylonitrile	< 10 ug/L		04/30/13 20:47	BP	EPA 624 04KS
Benzene	< 5.0 ug/L		04/30/13 20:47	BP	EPA 624 04KS
Bromodichloromethane	< 5.0 ug/L		04/30/13 20:47	BP	EPA 624 04KS
Bromoform	< 5.0 ug/L		04/30/13 20:47	BP	EPA 624 04KS
Bromomethane	< 10 ug/L		04/30/13 20:47	BP	EPA 624 04KS
Carbon tetrachloride	< 5.0 ug/L		04/30/13 20:47	BP	EPA 624 04KS
Chlorobenzene	< 5.0 ug/L		04/30/13 20:47	BP	EPA 624 04KS
Chloroethane	< 10 ug/L		04/30/13 20:47	BP	EPA 624 04KS
Chloroform	< 5.0 ug/L		04/30/13 20:47	BP	EPA 624 04KS
Chloromethane	< 10 ug/L		04/30/13 20:47	BP	EPA 624 04KS
cis-1,3-Dichloropropene	< 5.0 ug/L		04/30/13 20:47	BP	EPA 624 04KS
Dibromochloromethane	< 5.0 ug/L		04/30/13 20:47	BP	EPA 624 04KS
Ethylbenzene	< 5.0 ug/L		04/30/13 20:47	BP	EPA 624 04KS
m,p-Xylene	< 10 ug/L		04/30/13 20:47	BP	EPA 624*
Methylene chloride	< 5.0 ug/L		04/30/13 20:47	BP	EPA 624 04KS
o-Xylene	< 5.0 ug/L		04/30/13 20:47	BP	EPA 624*
Tetrachloroethene	< 5.0 ug/L		04/30/13 20:47	BP	EPA 624 04KS
Toluene	< 5.0 ug/L		04/30/13 20:47	BP	EPA 624 04KS
trans-1,2-Dichloroethene	< 5.0 ug/L		04/30/13 20:47	BP	EPA 624 04KS
trans-1,3-Dichloropropene	< 5.0 ug/L		04/30/13 20:47	BP	EPA 624 04KS
Trichloroethene	< 5.0 ug/L		04/30/13 20:47	BP	EPA 624 04KS
Trichlorofluoromethane	< 5.0 ug/L		04/30/13 20:47	BP	EPA 624 04KS



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

Date Received: 04/29/13 10:27
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Sample No: **3043816-02**
Sample Description: **Trip Blank**

Collect Date: **04/26/13 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - STL</u>					
Vinyl chloride	< 5.0 ug/L		04/30/13 20:47	BP	EPA 624 04KS
Surrogate: 1,2-Dichloroethane-d4	108 % 65-134		04/30/13 20:47	BP	EPA 624
Surrogate: Toluene-d8	100 % 74.2-117		04/30/13 20:47	BP	EPA 624
Surrogate: Bromofluorobenzene	94 % 74.1-125		04/30/13 20:47	BP	EPA 624

Sample No: **3043816-02RE1**
Sample Description: **Trip Blank**

Collect Date: **04/26/13 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - STL</u>					
Acetone	< 10 ug/L		05/03/13 12:54	BP	EPA 624*
Surrogate: 1,2-Dichloroethane-d4	114 % 65-134		05/03/13 12:54	BP	EPA 624
Surrogate: Toluene-d8	98 % 74.2-117		05/03/13 12:54	BP	EPA 624
Surrogate: Bromofluorobenzene	107 % 74.1-125		05/03/13 12:54	BP	EPA 624



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Attn: Bryan Sehie

Date Received: 04/29/13 10:27
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

General Chemistry - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306746 - 04-No Prep WC								
Blank (B306746-BLK1)			Prepared & Analyzed: 04/29/13					
COD	< 5.0	mg/L						
Blank (B306746-BLK2)			Prepared & Analyzed: 04/29/13					
COD	< 100	mg/L						
LCS (B306746-BS1)			Prepared & Analyzed: 04/29/13					
COD	98.3	mg/L	100.0		98	95-105		
LCS (B306746-BS2)			Prepared & Analyzed: 04/29/13					
COD	481	mg/L	500.0		96	95-105		
Duplicate (B306746-DUP1)			Prepared & Analyzed: 04/29/13					
COD	< 5.0	mg/L		ND				20
Duplicate (B306746-DUP2)			Prepared & Analyzed: 04/29/13					
COD	40300	mg/L		40300			0	20
Batch B306757 - 04-No Prep WC								
Calibration Check (B306757-CCV1)			Prepared & Analyzed: 04/29/13					
pH	H 7.00	pH Units	7.000		100	0-200		
Batch B306767 - 04-No Prep WC								
Blank (B306767-BLK1)			Prepared & Analyzed: 04/29/13					
Solids - total suspended solids (TSS)	< 2.0	mg/L						
LCS (B306767-BS1)			Prepared & Analyzed: 04/29/13					
Solids - total suspended solids (TSS)	97.0	mg/L	100.0		97	82.9-110		
Duplicate (B306767-DUP1)			Prepared & Analyzed: 04/29/13					
Solids - total suspended solids (TSS)	1480	mg/L		1540			4	5
Duplicate (B306767-DUP2)			Prepared & Analyzed: 04/29/13					
Solids - total suspended solids (TSS)	4.80	mg/L		4.40			9	5
Batch B306847 - 04-No Prep WC								
Blank (B306847-BLK1)			Prepared & Analyzed: 05/01/13					
Oil & Grease - total	< 5.0	mg/L						
LCS (B306847-BS1)			Prepared & Analyzed: 05/01/13					
Oil & Grease - total	36.9	mg/L	40.00		92	78-114		
LCS Dup (B306847-BSD1)			Prepared & Analyzed: 05/01/13					
Oil & Grease - total	38.0	mg/L	40.00		95	78-114	3	18



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

Date Received: 04/29/13 10:27
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Nutrients - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306823 - 04-No Prep WC								
Blank (B306823-BLK1)			Prepared & Analyzed: 04/29/13					
Ammonia-N	< 0.010	mg/L						
LCS (B306823-BS1)			Prepared & Analyzed: 04/29/13					
Ammonia-N	10.1	mg/L	10.00		101	80-120		
Matrix Spike (B306823-MS1)			Prepared & Analyzed: 04/29/13					
Ammonia-N	792	mg/L	100.0	697	95	80-120		
Matrix Spike Dup (B306823-MSD1)			Prepared & Analyzed: 04/29/13					
Ammonia-N	794	mg/L	100.0	697	97	80-120	0.3	20

Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306791 - 04-SW 7470A/245.1								
Blank (B306791-BLK1)			Prepared & Analyzed: 04/30/13					
Mercury	< 0.0002	mg/L						
Blank (B306791-BLK2)			Prepared & Analyzed: 04/30/13					
Mercury	< 0.0002	mg/L						
Blank (B306791-BLK3)			Prepared & Analyzed: 04/30/13					
Mercury	< 0.0002	mg/L						
LCS (B306791-BS1)			Prepared & Analyzed: 04/30/13					
Mercury	0.00210	mg/L	0.002000		105	85-115		
Matrix Spike (B306791-MS1)			Prepared & Analyzed: 04/30/13					
Mercury	0.00220	mg/L	0.002000	ND	110	70-130		
Matrix Spike (B306791-MS2)			Prepared & Analyzed: 04/30/13					
Mercury	Q4 < 0.0002	mg/L	0.002000	1.12	NR	70-130		
Matrix Spike (B306791-MS3)			Prepared & Analyzed: 04/30/13					
Mercury	0.00402	mg/L	0.002000	0.00176	113	70-130		
Matrix Spike Dup (B306791-MSD1)			Prepared & Analyzed: 04/30/13					
Mercury	0.00220	mg/L	0.002000	ND	110	70-130	0	20

Batch B306851 - 04 EPA 200.2 R2.8

Blank (B306851-BLK1)			Prepared: 04/30/13 Analyzed: 05/01/13					
Antimony	< 0.010	mg/L						
Arsenic	< 0.015	mg/L						

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Laboratory Results

Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306851 - 04 EPA 200.2 R2.8								
Blank (B306851-BLK1)			Prepared: 04/30/13 Analyzed: 05/01/13					
Beryllium	< 0.0010	mg/L						
Cadmium	< 0.0020	mg/L						
Chromium	< 0.0020	mg/L						
Copper	< 0.0020	mg/L						
Iron	< 0.010	mg/L						
Lead	< 0.010	mg/L						
Nickel	< 0.0020	mg/L						
Selenium	< 0.010	mg/L						
Silver	< 0.0020	mg/L						
Thallium	< 0.020	mg/L						
Zinc	< 0.010	mg/L						
LCS (B306851-BS1)			Prepared: 04/30/13 Analyzed: 05/01/13					
Antimony	0.0890	mg/L	0.1000		89	85-115		
Arsenic	0.0882	mg/L	0.1000		88	85-115		
Beryllium	0.109	mg/L	0.1000		109	85-115		
Cadmium	0.0994	mg/L	0.1000		99	85-115		
Chromium	0.103	mg/L	0.1000		103	85-115		
Copper	0.102	mg/L	0.1000		102	85-115		
Iron	0.100	mg/L	0.1000		100	85-115		
Lead	0.102	mg/L	0.1000		102	85-115		
Nickel	0.105	mg/L	0.1000		105	85-115		
Selenium	0.100	mg/L	0.1000		100	85-115		
Silver	0.0255	mg/L	0.02500		102	85-115		
Thallium	0.0940	mg/L	0.1000		94	85-115		
Zinc	0.102	mg/L	0.1000		102	85-115		
LCS (B306851-BS2)			Prepared: 04/30/13 Analyzed: 05/01/13					
Antimony	0.103	mg/L	0.1000		103	85-115		
Arsenic	< 0.015	mg/L				85-115		
Beryllium	< 0.0010	mg/L				85-115		
Cadmium	< 0.0020	mg/L				85-115		
Chromium	< 0.0020	mg/L				85-115		
Copper	< 0.0020	mg/L				85-115		
Iron	< 0.010	mg/L				85-115		
Lead	< 0.010	mg/L				85-115		
Nickel	< 0.0020	mg/L				85-115		
Selenium	< 0.010	mg/L				85-115		
Silver	< 0.0020	mg/L				85-115		
Thallium	< 0.020	mg/L				85-115		



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Attn: Bryan Sehie

Date Received: 04/29/13 10:27
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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
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Batch B306851 - 04 EPA 200.2 R2.8

LCS (B306851-BS2) Prepared: 04/30/13 Analyzed: 05/01/13

Zinc	< 0.010	mg/L				85-115		
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Matrix Spike (B306851-MS1) Source: 3043804-02 Prepared: 04/30/13 Analyzed: 05/01/13

Antimony	0.109	mg/L	0.1000	ND	109	70-130		
Arsenic	0.103	mg/L	0.1000	ND	103	70-130		
Beryllium	0.118	mg/L	0.1000	ND	118	70-130		
Cadmium	0.0970	mg/L	0.1000	ND	97	70-130		
Chromium	0.105	mg/L	0.1000	0.00160	104	70-130		
Copper	0.102	mg/L	0.1000	0.00284	100	70-130		
Iron	0.401	mg/L	0.1000	0.301	101	70-130		
Lead	0.0954	mg/L	0.1000	0.00519	90	70-130		
Nickel	0.101	mg/L	0.1000	ND	101	70-130		
Selenium	0.107	mg/L	0.1000	ND	107	70-130		
Silver	0.0254	mg/L	0.02500	ND	101	70-130		
Thallium	0.0821	mg/L	0.1000	ND	82	70-130		
Zinc	0.124	mg/L	0.1000	0.0186	105	70-130		

Matrix Spike Dup (B306851-MSD1) Source: 3043804-02 Prepared: 04/30/13 Analyzed: 05/01/13

Antimony	0.111	mg/L	0.1000	ND	111	70-130	1	20
Arsenic	0.102	mg/L	0.1000	ND	102	70-130	1	20
Beryllium	0.116	mg/L	0.1000	ND	116	70-130	2	20
Cadmium	0.0965	mg/L	0.1000	ND	97	70-130	0.4	20
Chromium	0.105	mg/L	0.1000	0.00160	103	70-130	0.5	20
Copper	0.102	mg/L	0.1000	0.00284	99	70-130	0.6	20
Iron	0.400	mg/L	0.1000	0.301	99	70-130	0.3	20
Lead	0.0953	mg/L	0.1000	0.00519	90	70-130	0.09	20
Nickel	0.101	mg/L	0.1000	ND	101	70-130	0.2	20
Selenium	0.118	mg/L	0.1000	ND	118	70-130	10	20
Silver	0.0248	mg/L	0.02500	ND	99	70-130	2	20
Thallium	0.0775	mg/L	0.1000	ND	77	70-130	6	20
Zinc	0.123	mg/L	0.1000	0.0186	105	70-130	0.4	20

Soluble Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B306791 - 04-SW 7470A/245.1

Blank (B306791-BLK1) Prepared & Analyzed: 04/30/13

Mercury	< 0.0002	mg/L						
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St. Louis, MO 63044
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Date Received: 04/29/13 10:27
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Laboratory Results

Soluble Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306791 - 04-SW 7470A/245.1								
Blank (B306791-BLK2)			Prepared & Analyzed: 04/30/13					
Mercury	< 0.0002	mg/L						
Blank (B306791-BLK3)			Prepared & Analyzed: 04/30/13					
Mercury	< 0.0002	mg/L						
LCS (B306791-BS1)			Prepared & Analyzed: 04/30/13					
Mercury	0.00210	mg/L	0.002000		105	85-115		
Matrix Spike (B306791-MS1)			Prepared & Analyzed: 04/30/13					
Mercury	0.00220	mg/L	0.002000	ND	110	70-130		
Matrix Spike (B306791-MS2)			Prepared & Analyzed: 04/30/13					
Mercury	Q4 < 0.0002	mg/L	0.002000	1.12	NR	70-130		
Matrix Spike (B306791-MS3)			Prepared & Analyzed: 04/30/13					
Mercury	0.00402	mg/L	0.002000	0.00176	113	70-130		
Matrix Spike Dup (B306791-MSD1)			Prepared & Analyzed: 04/30/13					
Mercury	0.00220	mg/L	0.002000	ND	110	70-130	0	20
Batch B306851 - 04 EPA 200.2 R2.8								
Blank (B306851-BLK1)			Prepared: 04/30/13 Analyzed: 05/01/13					
Copper	< 0.0020	mg/L						
Antimony	< 0.010	mg/L						
Silver	< 0.0020	mg/L						
Arsenic	< 0.015	mg/L						
Beryllium	< 0.0010	mg/L						
Cadmium	< 0.0020	mg/L						
Chromium	< 0.0020	mg/L						
Iron	< 0.010	mg/L						
Lead	< 0.010	mg/L						
Nickel	< 0.0020	mg/L						
Selenium	< 0.010	mg/L						
Thallium	< 0.020	mg/L						
Zinc	< 0.010	mg/L						
Blank (B306851-BLK2)			Prepared: 04/30/13 Analyzed: 05/01/13					
Copper	< 0.0020	mg/L						
Silver	< 0.0020	mg/L						
Antimony	< 0.010	mg/L						
Arsenic	< 0.015	mg/L						
Beryllium	< 0.0010	mg/L						
Cadmium	< 0.0020	mg/L						
Chromium	< 0.0020	mg/L						



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Laboratory Results

Soluble Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306851 - 04 EPA 200.2 R2.8								
Blank (B306851-BLK2)			Prepared: 04/30/13 Analyzed: 05/01/13					
Iron	< 0.010	mg/L						
Lead	< 0.010	mg/L						
Nickel	< 0.0020	mg/L						
Selenium	< 0.010	mg/L						
Thallium	< 0.020	mg/L						
Zinc	< 0.010	mg/L						
LCS (B306851-BS1)			Prepared: 04/30/13 Analyzed: 05/01/13					
Antimony	0.0890	mg/L	0.1000		89	85-115		
Copper	0.102	mg/L	0.1000		102	85-115		
Silver	0.0255	mg/L	0.02500		102	85-115		
Arsenic	0.0882	mg/L	0.1000		88	85-115		
Beryllium	0.109	mg/L	0.1000		109	85-115		
Cadmium	0.0994	mg/L	0.1000		99	85-115		
Chromium	0.103	mg/L	0.1000		103	85-115		
Iron	0.100	mg/L	0.1000		100	85-115		
Lead	0.102	mg/L	0.1000		102	85-115		
Nickel	0.105	mg/L	0.1000		105	85-115		
Selenium	0.100	mg/L	0.1000		100	85-115		
Thallium	0.0940	mg/L	0.1000		94	85-115		
Zinc	0.102	mg/L	0.1000		102	85-115		
LCS (B306851-BS2)			Prepared: 04/30/13 Analyzed: 05/01/13					
Copper	< 0.0020	mg/L				85-115		
Silver	< 0.0020	mg/L				85-115		
Antimony	< 0.010	mg/L	0.1000			85-115		
Arsenic	< 0.015	mg/L				85-115		
Beryllium	< 0.0010	mg/L				85-115		
Cadmium	< 0.0020	mg/L				85-115		
Chromium	< 0.0020	mg/L				85-115		
Iron	< 0.010	mg/L				85-115		
Lead	< 0.010	mg/L				85-115		
Nickel	< 0.0020	mg/L				85-115		
Selenium	< 0.010	mg/L				85-115		
Thallium	< 0.020	mg/L				85-115		
Zinc	< 0.010	mg/L				85-115		
Matrix Spike (B306851-MS1)			Source: 3043804-02			Prepared: 04/30/13 Analyzed: 05/01/13		
Copper	0.102	mg/L	0.1000	0.00284	100	70-130		
Antimony	0.109	mg/L	0.1000	ND	109	70-130		
Silver	0.0254	mg/L	0.02500	ND	101	70-130		



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Laboratory Results

Soluble Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B306851 - 04 EPA 200.2 R2.8

Matrix Spike (B306851-MS1)	Source: 3043804-02	Prepared: 04/30/13 Analyzed: 05/01/13						
Arsenic	0.103	mg/L	0.1000	ND	103	70-130		
Beryllium	0.118	mg/L	0.1000	ND	118	70-130		
Cadmium	0.0970	mg/L	0.1000	ND	97	70-130		
Chromium	0.105	mg/L	0.1000	0.00160	104	70-130		
Iron	0.401	mg/L	0.1000	0.301	101	70-130		
Lead	0.0954	mg/L	0.1000	0.00519	90	70-130		
Nickel	0.101	mg/L	0.1000	ND	101	70-130		
Selenium	0.107	mg/L	0.1000	ND	107	70-130		
Thallium	0.0821	mg/L	0.1000	ND	82	70-130		
Zinc	0.124	mg/L	0.1000	0.0186	105	70-130		

Matrix Spike Dup (B306851-MSD1)	Source: 3043804-02	Prepared: 04/30/13 Analyzed: 05/01/13						
Antimony	0.111	mg/L	0.1000	ND	111	70-130	1	20
Silver	0.0248	mg/L	0.02500	ND	99	70-130	2	20
Copper	0.102	mg/L	0.1000	0.00284	99	70-130	0.6	20
Arsenic	0.102	mg/L	0.1000	ND	102	70-130	1	20
Beryllium	0.116	mg/L	0.1000	ND	116	70-130	2	20
Cadmium	0.0965	mg/L	0.1000	ND	97	70-130	0.4	20
Chromium	0.105	mg/L	0.1000	0.00160	103	70-130	0.5	20
Iron	0.400	mg/L	0.1000	0.301	99	70-130	0.3	20
Lead	0.0953	mg/L	0.1000	0.00519	90	70-130	0.09	20
Nickel	0.101	mg/L	0.1000	ND	101	70-130	0.2	20
Selenium	0.118	mg/L	0.1000	ND	118	70-130	10	20
Thallium	0.0775	mg/L	0.1000	ND	77	70-130	6	20
Zinc	0.123	mg/L	0.1000	0.0186	105	70-130	0.4	20

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B306854 - 04-No Prep VOA

Blank (B306854-BLK1)	Prepared & Analyzed: 04/30/13							
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						

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Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306854 - 04-No Prep VOA								
Blank (B306854-BLK1)			Prepared & Analyzed: 04/30/13					
1,2-Dichloropropane	< 5.0	ug/L						
1,3-Dichlorobenzene	< 5.0	ug/L						
1,4-Dichlorobenzene	< 5.0	ug/L						
2-Chloroethylvinyl ether	< 5.0	ug/L						
Acetone	< 10	ug/L						
Acrolein	< 25	ug/L						
Acrylonitrile	< 10	ug/L						
Benzene	< 5.0	ug/L						
Bromodichloromethane	< 5.0	ug/L						
Bromoform	< 5.0	ug/L						
Bromomethane	< 10	ug/L						
Carbon tetrachloride	< 5.0	ug/L						
Chlorobenzene	< 5.0	ug/L						
Chloroethane	< 10	ug/L						
Chloroform	< 5.0	ug/L						
Chloromethane	< 10	ug/L						
cis-1,3-Dichloropropene	< 5.0	ug/L						
Dibromochloromethane	< 5.0	ug/L						
Ethylbenzene	< 5.0	ug/L						
m,p-Xylene	< 10	ug/L						
Methylene chloride	< 5.0	ug/L						
o-Xylene	< 5.0	ug/L						
Tetrachloroethene	< 5.0	ug/L						
Toluene	< 5.0	ug/L						
trans-1,2-Dichloroethene	< 5.0	ug/L						
trans-1,3-Dichloropropene	< 5.0	ug/L						
Trichloroethene	< 5.0	ug/L						
Trichlorofluoromethane	< 5.0	ug/L						
Vinyl chloride	< 5.0	ug/L						
Surrogate: 1,2-Dichloroethane-d4	35.0	ug/L	30.00		117	65-134		
Surrogate: Toluene-d8	29.3	ug/L	30.00		98	74.2-117		
Surrogate: Bromofluorobenzene	30.0	ug/L	30.00		100	74.1-125		
LCS (B306854-BS1)			Prepared & Analyzed: 04/30/13					
1,1,1-Trichloroethane	18.5	ug/L	20.00		93	76-131		
1,1,2,2-Tetrachloroethane	18.6	ug/L	20.00		93	79-126		
1,1,2-Trichloroethane	19.5	ug/L	20.00		98	79-123		
1,1-Dichloroethane	20.8	ug/L	20.00		104	74-133		
1,1-Dichloroethene	19.4	ug/L	20.00		97	71-135		
1,2-Dichlorobenzene	19.1	ug/L	20.00		95	76-113		



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Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306854 - 04-No Prep VOA								
LCS (B306854-BS1)			Prepared & Analyzed: 04/30/13					
1,2-Dichloroethane	21.5	ug/L	20.00		107	80-135		
1,2-Dichloropropane	20.2	ug/L	20.00		101	78-127		
1,3-Dichlorobenzene	19.5	ug/L	20.00		98	82-119		
1,4-Dichlorobenzene	18.7	ug/L	20.00		94	78-118		
2-Chloroethylvinyl ether	18.5	ug/L	20.00		93	66-138		
Acrolein	76.7	ug/L	100.0		77	38-156		
Acrylonitrile	17.8	ug/L	20.00		89	43-121		
Benzene	19.0	ug/L	20.00		95	84-114		
Bromodichloromethane	18.8	ug/L	20.00		94	82-116		
Bromoform	19.2	ug/L	20.00		96	65-115		
Bromomethane	17.6	ug/L	20.00		88	28-143		
Carbon tetrachloride	18.9	ug/L	20.00		94	72-131		
Chlorobenzene	18.7	ug/L	20.00		94	82-112		
Chloroethane	16.4	ug/L	20.00		82	41-126		
Chloroform	18.3	ug/L	20.00		91	78-124		
Chloromethane	15.5	ug/L	20.00		77	52-110		
cis-1,3-Dichloropropene	18.4	ug/L	20.00		92	82-116		
Dibromochloromethane	19.0	ug/L	20.00		95	83-119		
Ethylbenzene	19.6	ug/L	20.00		98	85-118		
m,p-Xylene	37.9	ug/L	40.00		95	80-111		
Methylene chloride	20.4	ug/L	20.00		102	78-140		
o-Xylene	19.1	ug/L	20.00		95	81-111		
Tetrachloroethene	20.9	ug/L	20.00		105	65-135		
Toluene	19.3	ug/L	20.00		97	81-120		
trans-1,2-Dichloroethene	18.5	ug/L	20.00		93	70-136		
trans-1,3-Dichloropropene	17.7	ug/L	20.00		89	82-113		
Trichloroethene	20.1	ug/L	20.00		101	84-125		
Trichlorofluoromethane	20.7	ug/L	20.00		104	70-138		
Vinyl chloride	19.5	ug/L	20.00		98	56-112		
Surrogate: 1,2-Dichloroethane-d4	33.9	ug/L	30.00		113	65.3-134		
Surrogate: Toluene-d8	30.1	ug/L	30.00		100	73.2-119		
Surrogate: Bromofluorobenzene	30.9	ug/L	30.00		103	77.8-123		
Matrix Spike (B306854-MS1)			Source: 3043570-02		Prepared & Analyzed: 04/30/13			
1,1,1-Trichloroethane	18.2	ug/L	20.00	ND	91	58-143		
1,1,2,2-Tetrachloroethane	20.3	ug/L	20.00	ND	102	70-133		
1,1,2-Trichloroethane	18.8	ug/L	20.00	ND	94	73-130		
1,1-Dichloroethane	20.6	ug/L	20.00	ND	103	55-146		
1,1-Dichloroethene	19.5	ug/L	20.00	ND	97	51-150		
1,2-Dichlorobenzene	19.8	ug/L	20.00	ND	99	62-120		



PDC Laboratories, Inc.

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

Date Received: 04/29/13 10:27
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306854 - 04-No Prep VOA								
Matrix Spike (B306854-MS1)		Source: 3043570-02		Prepared & Analyzed: 04/30/13				
1,2-Dichloroethane	20.1	ug/L	20.00	ND	101	67-143		
1,2-Dichloropropane	19.5	ug/L	20.00	ND	97	66-134		
1,3-Dichlorobenzene	20.6	ug/L	20.00	ND	103	67-124		
1,4-Dichlorobenzene	19.1	ug/L	20.00	ND	95	66-123		
Acrolein	57.7	ug/L	100.0	ND	58	14-156		
Acrylonitrile	19.0	ug/L	20.00	ND	95	46-116		
Benzene	18.5	ug/L	20.00	ND	93	69-126		
Bromodichloromethane	19.7	ug/L	20.00	ND	99	67-128		
Bromoform	20.5	ug/L	20.00	ND	103	42-132		
Bromomethane	29.2	ug/L	20.00	20.0	46	5-138		
Carbon tetrachloride	19.8	ug/L	20.00	ND	99	53-151		
Chlorobenzene	18.3	ug/L	20.00	ND	91	67-124		
Chloroethane	13.9	ug/L	20.00	ND	70	35-123		
Chloroform	18.5	ug/L	20.00	ND	93	41-155		
Chloromethane	11.3	ug/L	20.00	ND	56	39-120		
cis-1,3-Dichloropropene	18.9	ug/L	20.00	ND	94	68-126		
Dibromochloromethane	19.7	ug/L	20.00	ND	99	68-131		
Ethylbenzene	19.2	ug/L	20.00	ND	96	68-128		
m,p-Xylene	36.5	ug/L	40.00	ND	91	64-122		
Methylene chloride	23.3	ug/L	20.00	ND	117	70-150		
o-Xylene	18.4	ug/L	20.00	ND	92	65-122		
Tetrachloroethene	14.5	ug/L	20.00	ND	73	42-132		
Toluene	18.6	ug/L	20.00	ND	93	64-137		
trans-1,2-Dichloroethene	Q1 9.65	ug/L	20.00	ND	48	57-145		
trans-1,3-Dichloropropene	17.5	ug/L	20.00	ND	87	66-121		
Trichloroethene	19.2	ug/L	20.00	ND	96	69-131		
Trichlorofluoromethane	18.1	ug/L	20.00	ND	90	36-162		
Vinyl chloride	14.3	ug/L	20.00	ND	71	24-137		
Surrogate: 1,2-Dichloroethane-d4	35.6	ug/L	30.00		119	63.3-137		
Surrogate: Toluene-d8	30.8	ug/L	30.00		103	71-122		
Surrogate: Bromofluorobenzene	30.3	ug/L	30.00		101	74.6-123		
Matrix Spike Dup (B306854-MSD1)		Source: 3043570-02		Prepared & Analyzed: 04/30/13				
1,1,1-Trichloroethane	16.2	ug/L	20.00	ND	81	58-143	12	40
1,1,2,2-Tetrachloroethane	17.0	ug/L	20.00	ND	85	70-133	17	40
1,1,2-Trichloroethane	16.7	ug/L	20.00	ND	84	73-130	12	40
1,1-Dichloroethane	19.6	ug/L	20.00	ND	98	55-146	5	40
1,1-Dichloroethene	17.8	ug/L	20.00	ND	89	51-150	9	40
1,2-Dichlorobenzene	16.8	ug/L	20.00	ND	84	62-120	17	40
1,2-Dichloroethane	18.5	ug/L	20.00	ND	93	67-143	8	40



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

Date Received: 04/29/13 10:27
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306854 - 04-No Prep VOA								
Matrix Spike Dup (B306854-MSD1)	Source: 3043570-02		Prepared & Analyzed: 04/30/13					
1,2-Dichloropropane	16.8	ug/L	20.00	ND	84	66-134	15	40
1,3-Dichlorobenzene	18.6	ug/L	20.00	ND	93	67-124	10	40
1,4-Dichlorobenzene	17.2	ug/L	20.00	ND	86	66-123	10	40
Acrolein	52.0	ug/L	100.0	ND	52	14-156	10	40
Acrylonitrile	16.4	ug/L	20.00	ND	82	46-116	15	40
Benzene	15.9	ug/L	20.00	ND	80	69-126	15	40
Bromodichloromethane	17.4	ug/L	20.00	ND	87	67-128	13	40
Bromoform	18.0	ug/L	20.00	ND	90	42-132	13	40
Bromomethane	27.2	ug/L	20.00	20.0	36	5-138	7	40
Carbon tetrachloride	18.1	ug/L	20.00	ND	90	53-151	9	40
Chlorobenzene	16.0	ug/L	20.00	ND	80	67-124	13	40
Chloroethane	13.3	ug/L	20.00	ND	67	35-123	4	40
Chloroform	17.5	ug/L	20.00	ND	88	41-155	5	40
Chloromethane	9.58	ug/L	20.00	ND	48	39-120	16	40
cis-1,3-Dichloropropene	17.4	ug/L	20.00	ND	87	68-126	8	40
Dibromochloromethane	16.8	ug/L	20.00	ND	84	68-131	16	40
Ethylbenzene	16.4	ug/L	20.00	ND	82	68-128	16	40
m,p-Xylene	31.8	ug/L	40.00	ND	80	64-122	14	40
Methylene chloride	20.8	ug/L	20.00	ND	104	70-150	11	40
o-Xylene	15.8	ug/L	20.00	ND	79	65-122	15	40
Tetrachloroethene	12.7	ug/L	20.00	ND	64	42-132	13	40
Toluene	16.2	ug/L	20.00	ND	81	64-137	13	40
trans-1,2-Dichloroethene	11.7	ug/L	20.00	ND	59	57-145	19	40
trans-1,3-Dichloropropene	15.6	ug/L	20.00	ND	78	66-121	11	40
Trichloroethene	16.6	ug/L	20.00	ND	83	69-131	15	40
Trichlorofluoromethane	17.4	ug/L	20.00	ND	87	36-162	4	40
Vinyl chloride	13.1	ug/L	20.00	ND	65	24-137	9	40
Surrogate: 1,2-Dichloroethane-d4	29.8	ug/L	30.00		99	63.3-137		
Surrogate: Toluene-d8	26.3	ug/L	30.00		88	71-122		
Surrogate: Bromofluorobenzene	26.6	ug/L	30.00		89	74.6-123		

Batch B307057 - 04-No Prep VOA

Blank (B307057-BLK1)		Prepared & Analyzed: 05/03/13						
1,1,1-Trichloroethane	< 5.0	ug/L						
1,1,1,2-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						



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Bridgeton Landfill
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St. Louis, MO 63044
Attn: Bryan Sehie

Date Received: 04/29/13 10:27
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307057 - 04-No Prep VOA								
Blank (B307057-BLK1)			Prepared & Analyzed: 05/03/13					
1,2-Dichloroethane	< 5.0	ug/L						
1,2-Dichloropropane	< 5.0	ug/L						
1,3-Dichlorobenzene	< 5.0	ug/L						
1,4-Dichlorobenzene	< 5.0	ug/L						
2-Chloroethylvinyl ether	< 5.0	ug/L						
Acetone	< 10	ug/L						
Acrolein	< 25	ug/L						
Acrylonitrile	< 10	ug/L						
Benzene	< 5.0	ug/L						
Bromodichloromethane	< 5.0	ug/L						
Bromoform	< 5.0	ug/L						
Bromomethane	< 10	ug/L						
Carbon tetrachloride	< 5.0	ug/L						
Chlorobenzene	< 5.0	ug/L						
Chloroethane	< 10	ug/L						
Chloroform	< 5.0	ug/L						
Chloromethane	< 10	ug/L						
cis-1,3-Dichloropropene	< 5.0	ug/L						
Dibromochloromethane	< 5.0	ug/L						
Ethylbenzene	< 5.0	ug/L						
m,p-Xylene	< 10	ug/L						
Methylene chloride	< 5.0	ug/L						
o-Xylene	< 5.0	ug/L						
Tetrachloroethene	< 5.0	ug/L						
Toluene	< 5.0	ug/L						
trans-1,2-Dichloroethene	< 5.0	ug/L						
trans-1,3-Dichloropropene	< 5.0	ug/L						
Trichloroethene	< 5.0	ug/L						
Trichlorofluoromethane	< 5.0	ug/L						
Vinyl chloride	< 5.0	ug/L						
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>31.8</i>	<i>ug/L</i>	<i>30.00</i>		<i>106</i>	<i>65-134</i>		
<i>Surrogate: Toluene-d8</i>	<i>28.8</i>	<i>ug/L</i>	<i>30.00</i>		<i>96</i>	<i>74.2-117</i>		
<i>Surrogate: Bromofluorobenzene</i>	<i>30.6</i>	<i>ug/L</i>	<i>30.00</i>		<i>102</i>	<i>74.1-125</i>		
LCS (B307057-BS1)			Prepared & Analyzed: 05/03/13					
1,1,1-Trichloroethane	15.7	ug/L	20.00		79	76-131		
1,1,2,2-Tetrachloroethane	18.5	ug/L	20.00		93	79-126		
1,1,2-Trichloroethane	18.7	ug/L	20.00		94	79-123		
1,1-Dichloroethane	19.1	ug/L	20.00		96	74-133		
1,1-Dichloroethene	17.2	ug/L	20.00		86	71-135		



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St. Louis, MO 63044
Attn: Bryan Sehie

Date Received: 04/29/13 10:27
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307057 - 04-No Prep VOA								
LCS (B307057-BS1)			Prepared & Analyzed: 05/03/13					
1,2-Dichlorobenzene	16.7	ug/L	20.00		83	76-113		
1,2-Dichloroethane	21.1	ug/L	20.00		105	80-135		
1,2-Dichloropropane	18.6	ug/L	20.00		93	78-127		
1,3-Dichlorobenzene	17.7	ug/L	20.00		88	82-119		
1,4-Dichlorobenzene	16.4	ug/L	20.00		82	78-118		
2-Chloroethylvinyl ether	17.9	ug/L	20.00		89	66-138		
Acrolein	81.3	ug/L	100.0		81	38-156		
Acrylonitrile	18.6	ug/L	20.00		93	43-121		
Benzene	17.2	ug/L	20.00		86	84-114		
Bromodichloromethane	17.6	ug/L	20.00		88	82-116		
Bromoform	18.8	ug/L	20.00		94	65-115		
Bromomethane	21.3	ug/L	20.00		107	28-143		
Carbon tetrachloride	16.1	ug/L	20.00		80	72-131		
Chlorobenzene	16.7	ug/L	20.00		84	82-112		
Chloroethane	13.5	ug/L	20.00		68	41-126		
Chloroform	17.1	ug/L	20.00		85	78-124		
Chloromethane	16.0	ug/L	20.00		80	52-110		
cis-1,3-Dichloropropene	17.3	ug/L	20.00		87	82-116		
Dibromochloromethane	19.0	ug/L	20.00		95	83-119		
Ethylbenzene	17.2	ug/L	20.00		86	85-118		
m,p-Xylene	34.9	ug/L	40.00		87	80-111		
Methylene chloride	18.9	ug/L	20.00		94	78-140		
o-Xylene	16.6	ug/L	20.00		83	81-111		
Tetrachloroethene	15.6	ug/L	20.00		78	65-135		
Toluene	17.2	ug/L	20.00		86	81-120		
trans-1,2-Dichloroethene	16.0	ug/L	20.00		80	70-136		
trans-1,3-Dichloropropene	16.5	ug/L	20.00		82	82-113		
Trichloroethene	17.6	ug/L	20.00		88	84-125		
Trichlorofluoromethane	15.3	ug/L	20.00		77	70-138		
Vinyl chloride	17.6	ug/L	20.00		88	56-112		
Surrogate: 1,2-Dichloroethane-d4	34.1	ug/L	30.00		114	65.3-134		
Surrogate: Toluene-d8	30.8	ug/L	30.00		103	73.2-119		
Surrogate: Bromofluorobenzene	31.2	ug/L	30.00		104	77.8-123		
Matrix Spike (B307057-MS1)			Source: 3043573-02		Prepared & Analyzed: 05/03/13			
1,1,1-Trichloroethane	14.0	ug/L	20.00	ND	70	58-143		
1,1,2,2-Tetrachloroethane	17.0	ug/L	20.00	ND	85	70-133		
1,1,2-Trichloroethane	16.4	ug/L	20.00	ND	82	73-130		
1,1-Dichloroethane	18.1	ug/L	20.00	ND	90	55-146		
1,1-Dichloroethene	14.4	ug/L	20.00	ND	72	51-150		



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

Date Received: 04/29/13 10:27
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

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

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B306814 - 04 SW 3510 (625/8270)



PDC Laboratories, Inc.

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
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Date Received: 04/29/13 10:27
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306814 - 04 SW 3510 (625/8270)								
Blank (B306814-BLK1)			Prepared: 05/01/13 Analyzed: 05/04/13					
1,2,4-Trichlorobenzene	< 10.0	ug/L						
1,2-Dichlorobenzene	< 10.0	ug/L						
1,3-Dichlorobenzene	< 10.0	ug/L						
1,4-Dichlorobenzene	< 10.0	ug/L						
2,4,5-Trichlorophenol	< 10.0	ug/L						
2,4,6-Trichlorophenol	< 10.0	ug/L						
2,4-Dichlorophenol	< 10.0	ug/L						
2,4-Dimethylphenol	< 10.0	ug/L						
2,4-Dinitrophenol	< 10.0	ug/L						
2,4-Dinitrotoluene	< 10.0	ug/L						
2,6-Dimethylaniline	< 5.00	ug/L						
2,6-Dinitrotoluene	< 10.0	ug/L						
2-Chloronaphthalene	< 10.0	ug/L						
2-Chlorophenol	< 10.0	ug/L						
2-Nitrophenol	< 10.0	ug/L						
3,3'-Dichlorobenzidine	< 10.0	ug/L						
4,6-Dinitro-2-methylphenol	< 10.0	ug/L						
4-Bromophenylphenyl ether	< 10.0	ug/L						
4-Chloro-3-methylphenol	< 10.0	ug/L						
4-Chlorophenylphenyl ether	< 10.0	ug/L						
4-Nitrophenol	< 10.0	ug/L						
Acenaphthene	< 10.0	ug/L						
Acenaphthylene	< 10.0	ug/L						
Anthracene	< 10.0	ug/L						
Azobenzene	< 10.0	ug/L						
Benzidine	< 10.0	ug/L						
Benzo(a)anthracene	< 10.0	ug/L						
Benzo(a)pyrene	< 10.0	ug/L						
Benzo(b&k)fluoranthene	< 10.0	ug/L						
Benzo(b)fluoranthene	< 10.0	ug/L						
Benzo(g,h,i)perylene	< 10.0	ug/L						
Benzo(k)fluoranthene	< 10.0	ug/L						
Bis(2-chloroethoxy) methane	< 10.0	ug/L						
Bis(2-chloroethyl) ether	< 10.0	ug/L						
Bis(2-chloroisopropyl) ether	< 10.0	ug/L						
Bis(2-ethylhexyl) phthalate	< 10.0	ug/L						
Butyl benzyl phthalate	< 10.0	ug/L						
Chrysene	< 10.0	ug/L						
Dibenzo(a,h)anthracene	< 10.0	ug/L						
Diethyl phthalate	< 10.0	ug/L						



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Bridgeton Landfill
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St. Louis, MO 63044
Attn: Bryan Sehie

Date Received: 04/29/13 10:27
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Customer #: 277310

Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306814 - 04 SW 3510 (625/8270)								
Blank (B306814-BLK1)			Prepared: 05/01/13 Analyzed: 05/04/13					
Dimethyl phthalate	< 10.0	ug/L						
Di-n-butyl phthalate	< 10.0	ug/L						
Di-n-octyl phthalate	< 10.0	ug/L						
Diphenylamine	< 10.0	ug/L						
Fluoranthene	< 10.0	ug/L						
Fluorene	< 10.0	ug/L						
Hexachlorobenzene	< 10.0	ug/L						
Hexachlorobutadiene	< 10.0	ug/L						
Hexachlorocyclopentadiene	< 10.0	ug/L						
Hexachloroethane	< 10.0	ug/L						
Indeno(1,2,3-cd)pyrene	< 10.0	ug/L						
Isophorone	< 10.0	ug/L						
Naphthalene	< 10.0	ug/L						
Nitrobenzene	< 10.0	ug/L						
N-Nitrosodimethylamine	< 10.0	ug/L						
N-Nitrosodi-n-propylamine	< 10.0	ug/L						
Pentachlorophenol	< 10.0	ug/L						
Phenanthrene	< 10.0	ug/L						
Phenol	< 10.0	ug/L						
Pyrene	< 10.0	ug/L						
1,4-Dichlorobenzene-d4	40	ug/L				0-200		
Naphthalene-d8	40	ug/L				0-200		
Acenaphthene-d10	40	ug/L				0-200		
Phenanthrene-d10	40	ug/L				0-200		
Chrysene-d12	40	ug/L				0-200		
Perylene-d12	40	ug/L				0-200		
Surrogate: 2-Fluorophenol	49	ug/L	80.00		61	52.2-99.4		
Surrogate: Phenol- d5	51	ug/L	80.00		63	56.8-100		
Surrogate: Nitrobenzene-d5	57	ug/L	80.00		71	62.4-112		
Surrogate: 2-Fluorobiphenyl	57	ug/L	80.00		72	58-107		
Surrogate: 2,4,6-Tribromophenol	45	ug/L	80.00		57	37.6-118		
Surrogate: p-Terphenyl-d14	55	ug/L	80.00		69	42.1-123		
LCS (B306814-BS1)			Prepared: 05/01/13 Analyzed: 05/04/13					
1,2,4-Trichlorobenzene	52	ug/L	80.00		65	56-88		
1,2-Dichlorobenzene	53	ug/L	80.00		67	56-86		
1,3-Dichlorobenzene	51	ug/L	80.00		64	54-84		
1,4-Dichlorobenzene	53	ug/L	80.00		67	55-87		
2,4,5-Trichlorophenol	61	ug/L	80.00		76	54-107		
2,4,6-Trichlorophenol	61	ug/L	80.00		76	53-108		



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

Date Received: 04/29/13 10:27
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306814 - 04 SW 3510 (625/8270)								
LCS (B306814-BS1)			Prepared: 05/01/13 Analyzed: 05/04/13					
2,4-Dichlorophenol	59	ug/L	80.00		74	57-100		
2,4-Dimethylphenol	59	ug/L	80.00		74	58-99		
2,4-Dinitrophenol	69	ug/L	80.00		86	41-122		
2,4-Dinitrotoluene	53	ug/L	80.00		67	46-100		
2,6-Dimethylaniline	53	ug/L				56-92		
2,6-Dinitrotoluene	54	ug/L	80.00		67	53-100		
2-Chloronaphthalene	50	ug/L	80.00		62	54-90		
2-Chlorophenol	61	ug/L	80.00		76	59-97		
2-Methylnaphthalene	58	ug/L				51-95		
2-Methylphenol	59	ug/L	80.00		74	56-107		
2-Nitroaniline	56	ug/L				51-97		
2-Nitrophenol	60	ug/L	80.00		75	56-105		
3- & 4-Methylphenol	63	ug/L	80.00		79	56-100		
3,3'-Dichlorobenzidine	59	ug/L	80.00		74	50-107		
3-Nitroaniline	52	ug/L				54-93		
4,6-Dinitro-2-methylphenol	66	ug/L	80.00		83	51-102		
4-Bromophenylphenyl ether	51	ug/L	80.00		64	52-97		
4-Chloro-3-methylphenol	62	ug/L	80.00		78	58-102		
4-Chloroaniline	53	ug/L				59-89		
4-Chlorophenylphenyl ether	55	ug/L	80.00		69	52-98		
4-Nitroaniline	52	ug/L				58-88		
4-Nitrophenol	64	ug/L	80.00		80	47-114		
Acenaphthene	52	ug/L	80.00		65	54-93		
Acenaphthylene	51	ug/L	80.00		64	56-93		
Aniline	53	ug/L				53-96		
Anthracene	55	ug/L	80.00		68	57-94		
Azobenzene	55	ug/L	80.00		69	44-98		
Benzidine	10	ug/L	80.00		12	10-68		
Benzo(a)anthracene	51	ug/L	80.00		64	45-94		
Benzo(a)pyrene	56	ug/L	80.00		69	50-111		
Benzo(b&k)fluoranthene	115	ug/L	160.0		72	52-102		
Benzo(b)fluoranthene	55	ug/L	80.00		68	50-108		
Benzo(g,h,i)perylene	59	ug/L	80.00		74	45-102		
Benzo(k)fluoranthene	72	ug/L	80.00		90	50-98		
Benzoic Acid	75	ug/L	80.00		94	43-117		
Benzyl alcohol	54	ug/L				53-92		
Bis(2-chloroethoxy) methane	51	ug/L	80.00		64	52-89		
Bis(2-chloroethyl) ether	50	ug/L	80.00		63	55-88		
Bis(2-chloroisopropyl) ether	55	ug/L	80.00		69	37-81		



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Attn: Bryan Sehie

Date Received: 04/29/13 10:27
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306814 - 04 SW 3510 (625/8270)								
LCS (B306814-BS1)			Prepared: 05/01/13 Analyzed: 05/04/13					
Bis(2-ethylhexyl) phthalate	52	ug/L	80.00		66	44-97		
Butyl benzyl phthalate	52	ug/L	80.00		65	44-96		
Carbazole	49	ug/L				57-88		
Chrysene	55	ug/L	80.00		69	50-100		
Dibenzo(a,h)anthracene	59	ug/L	80.00		74	53-99		
Dibenzofuran	56	ug/L				58-91		
Diethyl phthalate	52	ug/L	80.00		65	53-92		
Dimethyl phthalate	53	ug/L	80.00		66	53-93		
Di-n-butyl phthalate	52	ug/L	80.00		65	55-96		
Di-n-octyl phthalate	56	ug/L	80.00		70	42-110		
Diphenylamine	62	ug/L	80.00		77	49-97		
Fluoranthene	53	ug/L	80.00		66	56-92		
Fluorene	53	ug/L	80.00		67	52-97		
Hexachlorobenzene	51	ug/L	80.00		63	51-98		
Hexachlorobutadiene	51	ug/L	80.00		64	54-92		
Hexachlorocyclopentadiene	27	ug/L	80.00		34	27-85		
Hexachloroethane	53	ug/L	80.00		66	56-83		
Indeno(1,2,3-cd)pyrene	58	ug/L	80.00		72	50-106		
Isophorone	47	ug/L	80.00		59	52-85		
Naphthalene	52	ug/L	80.00		65	59-87		
Nitrobenzene	51	ug/L	80.00		64	48-95		
N-Nitrosodimethylamine	48	ug/L	80.00		60	53-90		
N-Nitrosodi-n-propylamine	42	ug/L	80.00		52	47-87		
Pentachlorophenol	68	ug/L	80.00		85	49-128		
Phenanthrene	52	ug/L	80.00		65	55-95		
Phenol	58	ug/L	80.00		73	55-96		
Pyrene	54	ug/L	80.00		68	51-98		
Pyridine	50	ug/L				44-89		
1,4-Dichlorobenzene-d4	40	ug/L				0-200		
Naphthalene-d8	40	ug/L				0-200		
Acenaphthene-d10	40	ug/L				0-200		
Phenanthrene-d10	40	ug/L				0-200		
Chrysene-d12	40	ug/L				0-200		
Perylene-d12	40	ug/L				0-200		
Surrogate: 2-Fluorophenol	55	ug/L	80.00		68	52.2-99.4		
Surrogate: Phenol- d5	57	ug/L	80.00		71	56.8-100		
Surrogate: Nitrobenzene-d5	60	ug/L	80.00		75	62.4-112		
Surrogate: 2-Fluorobiphenyl	61	ug/L	80.00		76	58-107		
Surrogate: 2,4,6-Tribromophenol	57	ug/L	80.00		71	37.6-118		



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St. Louis, MO 63044
Attn: Bryan Sehie

Date Received: 04/29/13 10:27
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306814 - 04 SW 3510 (625/8270)								
LCS (B306814-BS1)			Prepared: 05/01/13 Analyzed: 05/04/13					
Surrogate: <i>p</i> -Terphenyl-d14	55	ug/L	80.00		69	42.1-123		
Matrix Spike (B306814-MS1)			Source: 3043816-01 Prepared: 05/01/13 Analyzed: 05/04/13					
1,2,4-Trichlorobenzene	X 34	ug/L	80.00	ND	42	36-94		
1,2-Dichlorobenzene	X < 200	ug/L	80.00	ND		17-110		
1,3-Dichlorobenzene	X 28	ug/L	80.00	ND	35	27-89		
1,4-Dichlorobenzene	X 40	ug/L	80.00	ND	50	34-87		
2,4,5-Trichlorophenol	X 30	ug/L	80.00	ND	38	15-100		
2,4,6-Trichlorophenol	X 30	ug/L	80.00	ND	37	22-101		
2,4-Dichlorophenol	X < 200	ug/L	80.00	ND		10-100		
2,4-Dimethylphenol	X 141	ug/L	80.00	141	NR	10-94		
2,4-Dinitrophenol	X < 200	ug/L	80.00	ND		10-117		
2,4-Dinitrotoluene	X < 200	ug/L	80.00	ND		34-99		
2,6-Dimethylaniline	X 22	ug/L		ND		10-76		
2,6-Dinitrotoluene	X 67	ug/L	80.00	ND	83	39-101		
2-Chloronaphthalene	X 43	ug/L	80.00	ND	53	39-94		
2-Chlorophenol	X < 200	ug/L	80.00	ND		12-79		
2-Methylnaphthalene	X 58	ug/L		ND		38-98		
2-Methylphenol	X 611	ug/L	80.00	579	41	10-98		
2-Nitroaniline	X 49	ug/L		ND		39-95		
2-Nitrophenol	X < 200	ug/L	80.00	ND		16-102		
3- & 4-Methylphenol	X 1410	ug/L	80.00	2310	NR	10-87		
3,3'-Dichlorobenzidine	X < 200	ug/L	80.00	ND		10-112		
3-Nitroaniline	X < 200	ug/L		ND		10-87		
4,6-Dinitro-2-methylphenol	X < 200	ug/L	80.00	ND		10-113		
4-Bromophenylphenyl ether	X 31	ug/L	80.00	ND	39	38-103		
4-Chloro-3-methylphenol	X 40	ug/L	80.00	ND	49	10-90		
4-Chloroaniline	X < 200	ug/L		ND		10-75		
4-Chlorophenylphenyl ether	X 36	ug/L	80.00	ND	45	40-101		
4-Nitroaniline	X 636	ug/L		ND		10-104		
4-Nitrophenol	X < 200	ug/L	80.00	ND		10-72		
Acenaphthene	X 38	ug/L	80.00	ND	48	41-98		
Acenaphthylene	X 32	ug/L	80.00	ND	41	41-98		
Aniline	X 44	ug/L		ND		10-81		
Anthracene	X 49	ug/L	80.00	17	39	40-102		
Azobenzene	X < 200	ug/L	80.00	ND		36-100		
Benzidine	X < 200	ug/L	80.00	ND		10-55		
Benzo(a)anthracene	X < 200	ug/L	80.00	ND		34-99		
Benzo(a)pyrene	X 33	ug/L	80.00	ND	41	39-114		
Benzo(b&k)fluoranthene	X 68	ug/L	160.0	ND	42	37-112		



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St. Louis, MO 63044
Attn: Bryan Sehie

Date Received: 04/29/13 10:27
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306814 - 04 SW 3510 (625/8270)								
Matrix Spike (B306814-MS1)	Source: 3043816-01		Prepared: 05/01/13 Analyzed: 05/04/13					
Benzo(b)fluoranthene	X 31	ug/L	80.00	ND	39	33-128		
Benzo(g,h,i)perylene	X < 200	ug/L	80.00	ND		25-106		
Benzo(k)fluoranthene	X 82	ug/L	80.00	ND	102	33-104		
Benzoic Acid	X 3450	ug/L	80.00	4520	NR	10-62		
Benzyl alcohol	X 1060	ug/L		ND		10-85		
Bis(2-chloroethoxy) methane	X 38	ug/L	80.00	ND	47	28-91		
Bis(2-chloroethyl) ether	X < 200	ug/L	80.00	ND		10-109		
Bis(2-chloroisopropyl) ether	X < 200	ug/L	80.00	ND		10-105		
Bis(2-ethylhexyl) phthalate	X < 200	ug/L	80.00	ND		32-106		
Butyl benzyl phthalate	X < 200	ug/L	80.00	ND		32-98		
Carbazole	X 51	ug/L		ND		50-97		
Chrysene	X 35	ug/L	80.00	ND	43	40-104		
Dibenzo(a,h)anthracene	X < 200	ug/L	80.00	ND		32-104		
Dibenzofuran	X 43	ug/L		ND		29-117		
Diethyl phthalate	X 36	ug/L	80.00	ND	45	36-99		
Dimethyl phthalate	X 35	ug/L	80.00	ND	44	30-94		
Di-n-butyl phthalate	X < 200	ug/L	80.00	ND		42-101		
Di-n-octyl phthalate	X 37	ug/L	80.00	ND	46	30-123		
Diphenylamine	X 42	ug/L	80.00	ND	52	23-110		
Fluoranthene	X < 200	ug/L	80.00	ND		39-100		
Fluorene	X 42	ug/L	80.00	ND	52	40-100		
Hexachlorobenzene	X 32	ug/L	80.00	ND	40	35-104		
Hexachlorobutadiene	X < 200	ug/L	80.00	ND		32-99		
Hexachlorocyclopentadiene	X < 200	ug/L	80.00	ND		10-90		
Hexachloroethane	X < 200	ug/L	80.00	ND		15-102		
Indeno(1,2,3-cd)pyrene	X 31	ug/L	80.00	ND	39	32-108		
Isophorone	X < 200	ug/L	80.00	ND		29-85		
Naphthalene	X 84	ug/L	80.00	57	33	38-97		
Nitrobenzene	X 446	ug/L	80.00	530	NR	22-102		
N-Nitrosodimethylamine	X 127	ug/L	80.00	ND	158	10-60		
N-Nitrosodi-n-propylamine	X 369	ug/L	80.00	ND	461	10-110		
Pentachlorophenol	X 154	ug/L	80.00	ND	193	11-127		
Phenanthrene	X 37	ug/L	80.00	ND	47	39-101		
Phenol	X 3120	ug/L	80.00	5090	NR	10-39		
Pyrene	X 37	ug/L	80.00	ND	46	38-106		
Pyridine	X 118	ug/L		105		10-23		
1,4-Dichlorobenzene-d4	X 800	ug/L				0-200		
Naphthalene-d8	X 800	ug/L				0-200		
Acenaphthene-d10	X 800	ug/L				0-200		



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Bridgeton Landfill
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St. Louis, MO 63044
Attn: Bryan Sehie

Date Received: 04/29/13 10:27
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306814 - 04 SW 3510 (625/8270)								
Matrix Spike (B306814-MS1)		Source: 3043816-01		Prepared: 05/01/13 Analyzed: 05/04/13				
Phenanthrene-d10	X	800	ug/L			0-200		
Chrysene-d12	X	800	ug/L			0-200		
Perylene-d12	X	800	ug/L			0-200		
Surrogate: 2-Fluorophenol	S, X	31	ug/L	80.00	39	10-35		
Surrogate: Phenol- d5	X, S	63	ug/L	80.00	78	10-26		
Surrogate: Nitrobenzene-d5	S, X	40	ug/L	80.00	50	22-105		
Surrogate: 2-Fluorobiphenyl	S, X	39	ug/L	80.00	49	30-97		
Surrogate: 2,4,6-Tribromophenol	S, X	10	ug/L	80.00	12	10-93		
Surrogate: p-Terphenyl-d14	S, X	41	ug/L	80.00	51	22-115		



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Date Received: 04/29/13 10:27
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Notes

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- PIA PDC Laboratories - Peoria, IL
NELAC Accreditation for Drinking Water, Wastewater, Hazardous and Solid Wastes Fields of Testing through IL EPA Lab No. 100230
Illinois Department of Public Health Bacteriological Analysis in Drinking Water Approved Laboratory Registry No. 17553
Drinking Water Certifications: Kansas (E-10338); Missouri (870); Wisconsin (998284430); Indiana (C-IL-040); Iowa (240)
Wastewater Certifications: Arkansas (88-0677); Wisconsin (998284430); Iowa (240); Kansas (E-10335)
Hazardous/Solid Waste Certifications: Arkansas (88-0677); Wisconsin (998284430); Iowa (240); Kansas (E-10335)
UST Certification; Iowa (240)
- SPM PDC Laboratories - Springfield, MO
EPA DMR-QA Program
- STL PDC Laboratories - St. Louis, MO
NELAC Accreditation for Wastewater, Hazardous and Solid Wastes Fields of Testing
Drinking Water Certifications: Kansas (E-10389)

- X Matrix spike diluted below reliable level.
- S Surrogate compound diluted below a reliable quantitation level.
- 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
- H Test performed after the expiration of the appropriate regulatory/advisory maximum allowable hold time.

Certified by: Roxann Shull, Client Services Supervisor



PDC Laboratories, Inc. – St. Louis
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Florissant, MO 63033
 www.pdclab.com

CHAIN OF CUSTODY RECORD
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State where samples collected MO

(Instructions/Sample Acceptance Policy on Reverse)

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

1 CLIENT BRIDGETON LANDFILL ADDRESS 13510 ST. CHARLES ROCK RD. CITY BRIDGETON, MO 63044 CONTACT PERSON BILL ABERNATHY		PROJECT NUMBER PHONE NUMBER FAX NUMBER P. O. NUMBER FAX NUMBER MEANS SHIPPED EMAIL ADDRESS babernathy@pdc-lab.com	3 ANALYSIS REQUESTED COD (410.4 5220C) TSS (8540D) NH305 N (350.1) PH (150.1) O+C (1664 Rev A) VOCs (624) SVOCs (625) Total + Diss Metals (200.7 335.1 245.2)		4 (FOR LAB USE ONLY) LOGIN # 3043816 LOGGED BY: HE LAB PROJ. # TEMPLATE: PROJ. MGR.:				
2 SAMPLE DESCRIPTION AS YOU WANT ON REPORT		DATE COLLECTED 4/28/13	TIME COLLECTED 1040	SAMPLE TYPE GRAB	MATRIX LCHT	Bottle Count 8 2	REMARKS ← 1 Trip Blank vial broke		
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		RESULTS BY: <u>E-MAIL</u> FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE		The sample temperature will be measured upon receipt at the lab. By initialing this area, you request that the lab notify you, before proceeding with analysis, if the sample temperature is outside of the range of 0.1-6.0°C. By not initialing this area, you allow the lab to proceed with analytical testing regardless of the sample temperature.					
7 RELINQUISHED BY: (SIGNATURE) [Signature]		DATE 4/29/13	TIME 0912	RECEIVED BY: Heather Gault		DATE 4/29/13	TIME 0912	8 COMMENTS (FOR LAB USE ONLY) SAMPLE TEMPERATURE UPON RECEIPT _____ °C CHILL PROCESS STARTED PRIOR TO RECEIPT Y OR N SAMPLE(S) RECEIVED ON ICE Y OR N PROPER BOTTLES RECEIVED IN GOOD CONDITION Y OR N BOTTLES FILLED WITH ADEQUATE VOLUME Y OR N SAMPLES RECEIVED WITHIN HOLD TIME(S) (EXCLUDES TYPICAL FIELD PARAMETERS) Y OR N DATE AND TIME TAKEN FROM SAMPLE BOTTLE	

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

Date Received: 04/29/13 10:37
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Sample No: **3043821-01**
Sample Description: **MSD Batch 74**

Collect Date: **04/28/13 14:31**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
General Chemistry - STL					
COD	40000 mg/L		04/29/13 13:00	DAW	SM 5220D 18Ed 04KS
Oil & Grease - total	< 53 mg/L		05/01/13 09:00	mep	EPA 1664A 04KS
pH	6.0 pH Units	H	04/29/13 10:30	ACV	SM 4500-H B 04KS 18Ed - EPA 150.1 - SW 9040B
Solids - total suspended solids (TSS)	960 mg/L		04/29/13 15:10	DAW	SM 2540D 18Ed 04KS
Nutrients - STL					
Ammonia-N	650 mg/L		04/29/13 12:00	ACV	SM(18) 4500 NH3 04KS F
Semivolatile Organics - STL					
1,2,4-Trichlorobenzene	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
1,2-Dichlorobenzene	< 200 ug/L		05/04/13 07:59	jk	EPA 625*
1,3-Dichlorobenzene	< 200 ug/L		05/04/13 07:59	jk	EPA 625*
1,4-Dichlorobenzene	< 200 ug/L		05/04/13 07:59	jk	EPA 625*
2,4,5-Trichlorophenol	< 200 ug/L		05/04/13 07:59	jk	EPA 625*
2,4,6-Trichlorophenol	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
2,4-Dichlorophenol	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
2,4-Dimethylphenol	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
2,4-Dinitrophenol	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
2,4-Dinitrotoluene	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
2,6-Dimethylaniline	< 100 ug/L		05/04/13 07:59	jk	EPA 625*
2,6-Dinitrotoluene	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
2-Chloronaphthalene	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
2-Chlorophenol	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
2-Nitrophenol	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
3,3'-Dichlorobenzidine	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
4,6-Dinitro-2-methylphenol	< 200 ug/L		05/04/13 07:59	jk	EPA 625*
4-Bromophenylphenyl ether	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
4-Chloro-3-methylphenol	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
4-Chlorophenylphenyl ether	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
4-Nitrophenol	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
Acenaphthene	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
Acenaphthylene	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
Anthracene	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS



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

Date Received: 04/29/13 10:37
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Sample No: **3043821-01**
Sample Description: **MSD Batch 74**

Collect Date: **04/28/13 14:31**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
Azobenzene	< 200 ug/L		05/04/13 07:59	jk	EPA 625*
Benzidine	< 200 ug/L		05/04/13 07:59	jk	EPA 625*
Benzo(a)anthracene	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
Benzo(a)pyrene	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
Benzo(b&k)fluoranthene	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
Benzo(b)fluoranthene	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
Benzo(g,h,i)perylene	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
Benzo(k)fluoranthene	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
Bis(2-chloroethoxy) methane	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
Bis(2-chloroethyl) ether	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
Bis(2-chloroisopropyl) ether	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
Bis(2-ethylhexyl) phthalate	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
Butyl benzyl phthalate	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
Chrysene	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
Dibenzo(a,h)anthracene	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
Diethyl phthalate	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
Dimethyl phthalate	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
Di-n-butyl phthalate	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
Di-n-octyl phthalate	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
Diphenylamine	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
Fluoranthene	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
Fluorene	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
Hexachlorobenzene	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
Hexachlorobutadiene	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
Hexachlorocyclopentadiene	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
Hexachloroethane	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
Indeno(1,2,3-cd)pyrene	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
Isophorone	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
Naphthalene	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
Nitrobenzene	484 ug/L		05/04/13 07:59	jk	EPA 625 04KS
N-Nitrosodimethylamine	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
N-Nitrosodi-n-propylamine	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
Pentachlorophenol	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS



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

Date Received: 04/29/13 10:37
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Sample No: **3043821-01**
Sample Description: **MSD Batch 74**

Collect Date: **04/28/13 14:31**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
Phenanthrene	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
Phenol	5190 ug/L		05/04/13 04:24	jk	EPA 625 04KS
Pyrene	< 200 ug/L		05/04/13 07:59	jk	EPA 625 04KS
Surrogate: 2-Fluorophenol	46 % 10-35	S	05/04/13 07:59	jk	EPA 625
Surrogate: Phenol- d5	103 % 10-26	S	05/04/13 07:59	jk	EPA 625
Surrogate: Nitrobenzene-d5	105 % 22-105	S	05/04/13 07:59	jk	EPA 625
Surrogate: 2-Fluorobiphenyl	29 % 30-97	S	05/04/13 07:59	jk	EPA 625
Surrogate: 2,4,6-Tribromophenol	8 % 10-93	S	05/04/13 07:59	jk	EPA 625
Surrogate: p-Terphenyl-d14	32 % 22-115	S	05/04/13 07:59	jk	EPA 625
Soluble Metals - STL					
Mercury	< 0.0020 mg/L		04/30/13 12:12	WPS	EPA 245.1 R3.0 / SW 7470A 04KS
Antimony	0.062 mg/L		05/01/13 13:39	WPS	EPA 200.7 R4.4 04KS
Copper	< 0.0020 mg/L		05/01/13 13:39	WPS	EPA 200.7 R4.4 04KS
Silver	0.0021 mg/L		05/01/13 13:39	WPS	EPA 200.7 R4.4 04KS
Arsenic	0.53 mg/L		05/01/13 13:39	WPS	EPA 200.7 R4.4 04KS
Beryllium	0.0013 mg/L		05/01/13 13:39	WPS	EPA 200.7 R4.4 04KS
Cadmium	0.047 mg/L		05/01/13 13:39	WPS	EPA 200.7 R4.4 04KS
Chromium	0.20 mg/L		05/01/13 13:39	WPS	EPA 200.7 R4.4 04KS
Iron	580 mg/L		05/01/13 12:58	WPS	EPA 200.7 R4.4 04KS
Lead	0.11 mg/L		05/01/13 13:39	WPS	EPA 200.7 R4.4 04KS
Nickel	0.070 mg/L		05/01/13 13:39	WPS	EPA 200.7 R4.4 04KS
Selenium	0.023 mg/L		05/01/13 13:39	WPS	EPA 200.7 R4.4 04KS
Thallium	0.030 mg/L		05/01/13 13:39	WPS	EPA 200.7 R4.4 04KS
Zinc	12 mg/L		05/01/13 13:39	WPS	EPA 200.7 R4.4 04KS
Total Metals - STL					
Mercury	0.029 mg/L		04/30/13 12:12	WPS	EPA 245.1 R3.0 / SW 7470A 04KS
Antimony	0.066 mg/L		05/01/13 13:43	WPS	EPA 200.7 R4.4 04KS
Arsenic	0.55 mg/L		05/01/13 13:43	WPS	EPA 200.7 R4.4 04KS
Beryllium	0.0019 mg/L		05/01/13 13:43	WPS	EPA 200.7 R4.4 04KS
Cadmium	0.064 mg/L		05/01/13 13:43	WPS	EPA 200.7 R4.4 04KS
Chromium	0.23 mg/L		05/01/13 13:43	WPS	EPA 200.7 R4.4 04KS
Copper	0.0023 mg/L		05/01/13 13:43	WPS	EPA 200.7 R4.4 04KS



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

Date Received: 04/29/13 10:37
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Sample No: **3043821-01**
Sample Description: **MSD Batch 74**

Collect Date: **04/28/13 14:31**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Total Metals - STL					
Iron	850 mg/L		05/01/13 13:03	WPS	EPA 200.7 R4.4 04KS
Lead	0.20 mg/L		05/01/13 13:43	WPS	EPA 200.7 R4.4 04KS
Nickel	0.086 mg/L		05/01/13 13:43	WPS	EPA 200.7 R4.4 04KS
Selenium	< 0.010 mg/L		05/01/13 13:43	WPS	EPA 200.7 R4.4 04KS
Silver	< 0.0020 mg/L		05/01/13 13:43	WPS	EPA 200.7 R4.4 04KS
Thallium	< 0.020 mg/L		05/01/13 13:43	WPS	EPA 200.7 R4.4 04KS
Zinc	13 mg/L		05/01/13 13:43	WPS	EPA 200.7 R4.4 04KS
Volatile Organics - STL					
1,1,1-Trichloroethane	< 100 ug/L		04/30/13 23:51	BP	EPA 624 04KS
1,1,2,2-Tetrachloroethane	< 100 ug/L		04/30/13 23:51	BP	EPA 624 04KS
1,1,2-Trichloroethane	< 100 ug/L		04/30/13 23:51	BP	EPA 624 04KS
1,1-Dichloroethane	< 100 ug/L		04/30/13 23:51	BP	EPA 624 04KS
1,1-Dichloroethene	< 100 ug/L		04/30/13 23:51	BP	EPA 624 04KS
1,2-Dichlorobenzene	< 100 ug/L		04/30/13 23:51	BP	EPA 624 04KS
1,2-Dichloroethane	< 100 ug/L		04/30/13 23:51	BP	EPA 624 04KS
1,2-Dichloropropane	< 100 ug/L		04/30/13 23:51	BP	EPA 624 04KS
1,3-Dichlorobenzene	< 100 ug/L		04/30/13 23:51	BP	EPA 624 04KS
1,4-Dichlorobenzene	< 100 ug/L		04/30/13 23:51	BP	EPA 624 04KS
2-Chloroethylvinyl ether	< 100 ug/L		04/30/13 23:51	BP	EPA 624 04KS
Acrolein	< 500 ug/L		04/30/13 23:51	BP	EPA 624 04KS
Acrylonitrile	< 200 ug/L		04/30/13 23:51	BP	EPA 624 04KS
Benzene	< 100 ug/L		04/30/13 23:51	BP	EPA 624 04KS
Bromodichloromethane	< 100 ug/L		04/30/13 23:51	BP	EPA 624 04KS
Bromoform	< 100 ug/L		04/30/13 23:51	BP	EPA 624 04KS
Bromomethane	< 200 ug/L		04/30/13 23:51	BP	EPA 624 04KS
Carbon tetrachloride	< 100 ug/L		04/30/13 23:51	BP	EPA 624 04KS
Chlorobenzene	< 100 ug/L		04/30/13 23:51	BP	EPA 624 04KS
Chloroethane	< 200 ug/L		04/30/13 23:51	BP	EPA 624 04KS
Chloroform	< 100 ug/L		04/30/13 23:51	BP	EPA 624 04KS
Chloromethane	< 200 ug/L		04/30/13 23:51	BP	EPA 624 04KS
cis-1,3-Dichloropropene	< 100 ug/L		04/30/13 23:51	BP	EPA 624 04KS
Dibromochloromethane	< 100 ug/L		04/30/13 23:51	BP	EPA 624 04KS
Ethylbenzene	< 100 ug/L		04/30/13 23:51	BP	EPA 624 04KS

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

Date Received: 04/29/13 10:37
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Sample No: **3043821-01**
Sample Description: **MSD Batch 74**

Collect Date: **04/28/13 14:31**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - STL</u>					
m,p-Xylene	< 200 ug/L		04/30/13 23:51	BP	EPA 624*
Methylene chloride	< 100 ug/L		04/30/13 23:51	BP	EPA 624 04KS
o-Xylene	< 100 ug/L		04/30/13 23:51	BP	EPA 624*
Tetrachloroethene	< 100 ug/L		04/30/13 23:51	BP	EPA 624 04KS
Toluene	< 100 ug/L		04/30/13 23:51	BP	EPA 624 04KS
trans-1,2-Dichloroethene	< 100 ug/L		04/30/13 23:51	BP	EPA 624 04KS
trans-1,3-Dichloropropene	< 100 ug/L		04/30/13 23:51	BP	EPA 624 04KS
Trichloroethene	< 100 ug/L		04/30/13 23:51	BP	EPA 624 04KS
Trichlorofluoromethane	< 100 ug/L		04/30/13 23:51	BP	EPA 624 04KS
Vinyl chloride	< 100 ug/L		04/30/13 23:51	BP	EPA 624 04KS
Surrogate: 1,2-Dichloroethane-d4	113 % 65-134		04/30/13 23:51	BP	EPA 624
Surrogate: Toluene-d8	95 % 74.2-117		04/30/13 23:51	BP	EPA 624
Surrogate: Bromofluorobenzene	106 % 74.1-125		04/30/13 23:51	BP	EPA 624

Sample No: **3043821-01RE1**
Sample Description: **MSD Batch 74**

Collect Date: **04/28/13 14:31**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - STL</u>					
Acetone	36000 ug/L		05/03/13 14:08	BP	EPA 624*
Surrogate: 1,2-Dichloroethane-d4	100 % 65-134		05/03/13 14:08	BP	EPA 624
Surrogate: Toluene-d8	96 % 74.2-117		05/03/13 14:08	BP	EPA 624
Surrogate: Bromofluorobenzene	105 % 74.1-125		05/03/13 14:08	BP	EPA 624



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Attn: Bryan Sehie

Date Received: 04/29/13 10:37
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

General Chemistry - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306746 - 04-No Prep WC								
Blank (B306746-BLK1)			Prepared & Analyzed: 04/29/13					
COD	< 5.0	mg/L						
Blank (B306746-BLK2)			Prepared & Analyzed: 04/29/13					
COD	< 100	mg/L						
LCS (B306746-BS1)			Prepared & Analyzed: 04/29/13					
COD	98.3	mg/L	100.0		98	95-105		
LCS (B306746-BS2)			Prepared & Analyzed: 04/29/13					
COD	481	mg/L	500.0		96	95-105		
Duplicate (B306746-DUP1)			Prepared & Analyzed: 04/29/13					
COD	< 5.0	mg/L		ND				20
Duplicate (B306746-DUP2)			Prepared & Analyzed: 04/29/13					
COD	40300	mg/L		40300			0	20
Batch B306757 - 04-No Prep WC								
Calibration Check (B306757-CCV1)			Prepared & Analyzed: 04/29/13					
pH	H 7.00	pH Units	7.000		100	0-200		
Batch B306767 - 04-No Prep WC								
Blank (B306767-BLK1)			Prepared & Analyzed: 04/29/13					
Solids - total suspended solids (TSS)	< 2.0	mg/L						
LCS (B306767-BS1)			Prepared & Analyzed: 04/29/13					
Solids - total suspended solids (TSS)	97.0	mg/L	100.0		97	82.9-110		
Duplicate (B306767-DUP1)			Prepared & Analyzed: 04/29/13					
Solids - total suspended solids (TSS)	1480	mg/L		1540			4	5
Duplicate (B306767-DUP2)			Prepared & Analyzed: 04/29/13					
Solids - total suspended solids (TSS)	4.80	mg/L		4.40			9	5
Batch B306847 - 04-No Prep WC								
Blank (B306847-BLK1)			Prepared & Analyzed: 05/01/13					
Oil & Grease - total	< 5.0	mg/L						
LCS (B306847-BS1)			Prepared & Analyzed: 05/01/13					
Oil & Grease - total	36.9	mg/L	40.00		92	78-114		
LCS Dup (B306847-BSD1)			Prepared & Analyzed: 05/01/13					
Oil & Grease - total	38.0	mg/L	40.00		95	78-114	3	18



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Date Received: 04/29/13 10:37
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Customer #: 277310

Laboratory Results

Nutrients - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306823 - 04-No Prep WC								
Blank (B306823-BLK1)			Prepared & Analyzed: 04/29/13					
Ammonia-N	< 0.010	mg/L						
LCS (B306823-BS1)			Prepared & Analyzed: 04/29/13					
Ammonia-N	10.1	mg/L	10.00		101	80-120		
Matrix Spike (B306823-MS1)			Prepared & Analyzed: 04/29/13					
Ammonia-N	792	mg/L	100.0	697	95	80-120		
Matrix Spike Dup (B306823-MSD1)			Prepared & Analyzed: 04/29/13					
Ammonia-N	794	mg/L	100.0	697	97	80-120	0.3	20

Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306791 - 04-SW 7470A/245.1								
Blank (B306791-BLK1)			Prepared & Analyzed: 04/30/13					
Mercury	< 0.0002	mg/L						
Blank (B306791-BLK2)			Prepared & Analyzed: 04/30/13					
Mercury	< 0.0002	mg/L						
Blank (B306791-BLK3)			Prepared & Analyzed: 04/30/13					
Mercury	< 0.0002	mg/L						
LCS (B306791-BS1)			Prepared & Analyzed: 04/30/13					
Mercury	0.00210	mg/L	0.002000		105	85-115		
Matrix Spike (B306791-MS1)			Prepared & Analyzed: 04/30/13					
Mercury	0.00220	mg/L	0.002000	ND	110	70-130		
Matrix Spike (B306791-MS2)			Prepared & Analyzed: 04/30/13					
Mercury	Q4 < 0.0002	mg/L	0.002000	1.12	NR	70-130		
Matrix Spike (B306791-MS3)			Prepared & Analyzed: 04/30/13					
Mercury	0.00402	mg/L	0.002000	0.00176	113	70-130		
Matrix Spike Dup (B306791-MSD1)			Prepared & Analyzed: 04/30/13					
Mercury	0.00220	mg/L	0.002000	ND	110	70-130	0	20

Batch B306851 - 04 EPA 200.2 R2.8

Blank (B306851-BLK1)			Prepared: 04/30/13 Analyzed: 05/01/13					
Antimony	< 0.010	mg/L						
Arsenic	< 0.015	mg/L						

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Date Received: 04/29/13 10:37
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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 B306851 - 04 EPA 200.2 R2.8								
Blank (B306851-BLK1)			Prepared: 04/30/13 Analyzed: 05/01/13					
Beryllium	< 0.0010	mg/L						
Cadmium	< 0.0020	mg/L						
Chromium	< 0.0020	mg/L						
Copper	< 0.0020	mg/L						
Iron	< 0.010	mg/L						
Lead	< 0.010	mg/L						
Nickel	< 0.0020	mg/L						
Selenium	< 0.010	mg/L						
Silver	< 0.0020	mg/L						
Thallium	< 0.020	mg/L						
Zinc	< 0.010	mg/L						
LCS (B306851-BS1)			Prepared: 04/30/13 Analyzed: 05/01/13					
Antimony	0.0890	mg/L	0.1000		89	85-115		
Arsenic	0.0882	mg/L	0.1000		88	85-115		
Beryllium	0.109	mg/L	0.1000		109	85-115		
Cadmium	0.0994	mg/L	0.1000		99	85-115		
Chromium	0.103	mg/L	0.1000		103	85-115		
Copper	0.102	mg/L	0.1000		102	85-115		
Iron	0.100	mg/L	0.1000		100	85-115		
Lead	0.102	mg/L	0.1000		102	85-115		
Nickel	0.105	mg/L	0.1000		105	85-115		
Selenium	0.100	mg/L	0.1000		100	85-115		
Silver	0.0255	mg/L	0.02500		102	85-115		
Thallium	0.0940	mg/L	0.1000		94	85-115		
Zinc	0.102	mg/L	0.1000		102	85-115		
LCS (B306851-BS2)			Prepared: 04/30/13 Analyzed: 05/01/13					
Antimony	0.103	mg/L	0.1000		103	85-115		
Arsenic	< 0.015	mg/L				85-115		
Beryllium	< 0.0010	mg/L				85-115		
Cadmium	< 0.0020	mg/L				85-115		
Chromium	< 0.0020	mg/L				85-115		
Copper	< 0.0020	mg/L				85-115		
Iron	< 0.010	mg/L				85-115		
Lead	< 0.010	mg/L				85-115		
Nickel	< 0.0020	mg/L				85-115		
Selenium	< 0.010	mg/L				85-115		
Silver	< 0.0020	mg/L				85-115		
Thallium	< 0.020	mg/L				85-115		



PDC Laboratories, Inc.

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

Date Received: 04/29/13 10:37
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B306851 - 04 EPA 200.2 R2.8

LCS (B306851-BS2) Prepared: 04/30/13 Analyzed: 05/01/13

Zinc	< 0.010	mg/L				85-115		
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Matrix Spike (B306851-MS1) Source: 3043804-02 Prepared: 04/30/13 Analyzed: 05/01/13

Antimony	0.109	mg/L	0.1000	ND	109	70-130		
Arsenic	0.103	mg/L	0.1000	ND	103	70-130		
Beryllium	0.118	mg/L	0.1000	ND	118	70-130		
Cadmium	0.0970	mg/L	0.1000	ND	97	70-130		
Chromium	0.105	mg/L	0.1000	0.00160	104	70-130		
Copper	0.102	mg/L	0.1000	0.00284	100	70-130		
Iron	0.401	mg/L	0.1000	0.301	101	70-130		
Lead	0.0954	mg/L	0.1000	0.00519	90	70-130		
Nickel	0.101	mg/L	0.1000	ND	101	70-130		
Selenium	0.107	mg/L	0.1000	ND	107	70-130		
Silver	0.0254	mg/L	0.02500	ND	101	70-130		
Thallium	0.0821	mg/L	0.1000	ND	82	70-130		
Zinc	0.124	mg/L	0.1000	0.0186	105	70-130		

Matrix Spike Dup (B306851-MSD1) Source: 3043804-02 Prepared: 04/30/13 Analyzed: 05/01/13

Antimony	0.111	mg/L	0.1000	ND	111	70-130	1	20
Arsenic	0.102	mg/L	0.1000	ND	102	70-130	1	20
Beryllium	0.116	mg/L	0.1000	ND	116	70-130	2	20
Cadmium	0.0965	mg/L	0.1000	ND	97	70-130	0.4	20
Chromium	0.105	mg/L	0.1000	0.00160	103	70-130	0.5	20
Copper	0.102	mg/L	0.1000	0.00284	99	70-130	0.6	20
Iron	0.400	mg/L	0.1000	0.301	99	70-130	0.3	20
Lead	0.0953	mg/L	0.1000	0.00519	90	70-130	0.09	20
Nickel	0.101	mg/L	0.1000	ND	101	70-130	0.2	20
Selenium	0.118	mg/L	0.1000	ND	118	70-130	10	20
Silver	0.0248	mg/L	0.02500	ND	99	70-130	2	20
Thallium	0.0775	mg/L	0.1000	ND	77	70-130	6	20
Zinc	0.123	mg/L	0.1000	0.0186	105	70-130	0.4	20

Soluble Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B306791 - 04-SW 7470A/245.1

Blank (B306791-BLK1) Prepared & Analyzed: 04/30/13

Mercury	< 0.0002	mg/L						
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Bridgeton Landfill
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St. Louis, MO 63044
Attn: Bryan Sehie

Date Received: 04/29/13 10:37
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Soluble Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306791 - 04-SW 7470A/245.1								
Blank (B306791-BLK2)			Prepared & Analyzed: 04/30/13					
Mercury	< 0.0002	mg/L						
Blank (B306791-BLK3)			Prepared & Analyzed: 04/30/13					
Mercury	< 0.0002	mg/L						
LCS (B306791-BS1)			Prepared & Analyzed: 04/30/13					
Mercury	0.00210	mg/L	0.002000		105	85-115		
Matrix Spike (B306791-MS1)			Prepared & Analyzed: 04/30/13					
Mercury	0.00220	mg/L	0.002000	ND	110	70-130		
Matrix Spike (B306791-MS2)			Prepared & Analyzed: 04/30/13					
Mercury	Q4 < 0.0002	mg/L	0.002000	1.12	NR	70-130		
Matrix Spike (B306791-MS3)			Prepared & Analyzed: 04/30/13					
Mercury	0.00402	mg/L	0.002000	0.00176	113	70-130		
Matrix Spike Dup (B306791-MSD1)			Prepared & Analyzed: 04/30/13					
Mercury	0.00220	mg/L	0.002000	ND	110	70-130	0	20
Batch B306851 - 04 EPA 200.2 R2.8								
Blank (B306851-BLK1)			Prepared: 04/30/13 Analyzed: 05/01/13					
Copper	< 0.0020	mg/L						
Silver	< 0.0020	mg/L						
Antimony	< 0.010	mg/L						
Arsenic	< 0.015	mg/L						
Beryllium	< 0.0010	mg/L						
Cadmium	< 0.0020	mg/L						
Chromium	< 0.0020	mg/L						
Iron	< 0.010	mg/L						
Lead	< 0.010	mg/L						
Nickel	< 0.0020	mg/L						
Selenium	< 0.010	mg/L						
Thallium	< 0.020	mg/L						
Zinc	< 0.010	mg/L						
Blank (B306851-BLK2)			Prepared: 04/30/13 Analyzed: 05/01/13					
Silver	< 0.0020	mg/L						
Copper	< 0.0020	mg/L						
Antimony	< 0.010	mg/L						
Arsenic	< 0.015	mg/L						
Beryllium	< 0.0010	mg/L						
Cadmium	< 0.0020	mg/L						
Chromium	< 0.0020	mg/L						



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

Date Received: 04/29/13 10:37
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Soluble Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306851 - 04 EPA 200.2 R2.8								
Blank (B306851-BLK2)			Prepared: 04/30/13 Analyzed: 05/01/13					
Iron	< 0.010	mg/L						
Lead	< 0.010	mg/L						
Nickel	< 0.0020	mg/L						
Selenium	< 0.010	mg/L						
Thallium	< 0.020	mg/L						
Zinc	< 0.010	mg/L						
LCS (B306851-BS1)			Prepared: 04/30/13 Analyzed: 05/01/13					
Copper	0.102	mg/L	0.1000		102	85-115		
Silver	0.0255	mg/L	0.02500		102	85-115		
Antimony	0.0890	mg/L	0.1000		89	85-115		
Arsenic	0.0882	mg/L	0.1000		88	85-115		
Beryllium	0.109	mg/L	0.1000		109	85-115		
Cadmium	0.0994	mg/L	0.1000		99	85-115		
Chromium	0.103	mg/L	0.1000		103	85-115		
Iron	0.100	mg/L	0.1000		100	85-115		
Lead	0.102	mg/L	0.1000		102	85-115		
Nickel	0.105	mg/L	0.1000		105	85-115		
Selenium	0.100	mg/L	0.1000		100	85-115		
Thallium	0.0940	mg/L	0.1000		94	85-115		
Zinc	0.102	mg/L	0.1000		102	85-115		
LCS (B306851-BS2)			Prepared: 04/30/13 Analyzed: 05/01/13					
Copper	< 0.0020	mg/L				85-115		
Silver	< 0.0020	mg/L				85-115		
Antimony	< 0.010	mg/L	0.1000			85-115		
Arsenic	< 0.015	mg/L				85-115		
Beryllium	< 0.0010	mg/L				85-115		
Cadmium	< 0.0020	mg/L				85-115		
Chromium	< 0.0020	mg/L				85-115		
Iron	< 0.010	mg/L				85-115		
Lead	< 0.010	mg/L				85-115		
Nickel	< 0.0020	mg/L				85-115		
Selenium	< 0.010	mg/L				85-115		
Thallium	< 0.020	mg/L				85-115		
Zinc	< 0.010	mg/L				85-115		
Matrix Spike (B306851-MS1)			Source: 3043804-02			Prepared: 04/30/13 Analyzed: 05/01/13		
Copper	0.102	mg/L	0.1000	0.00284	100	70-130		
Antimony	0.109	mg/L	0.1000	ND	109	70-130		
Silver	0.0254	mg/L	0.02500	ND	101	70-130		



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

Date Received: 04/29/13 10:37
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Soluble Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B306851 - 04 EPA 200.2 R2.8

Matrix Spike (B306851-MS1) Source: 3043804-02 Prepared: 04/30/13 Analyzed: 05/01/13

Arsenic	0.103	mg/L	0.1000	ND	103	70-130		
Beryllium	0.118	mg/L	0.1000	ND	118	70-130		
Cadmium	0.0970	mg/L	0.1000	ND	97	70-130		
Chromium	0.105	mg/L	0.1000	0.00160	104	70-130		
Iron	0.401	mg/L	0.1000	0.301	101	70-130		
Lead	0.0954	mg/L	0.1000	0.00519	90	70-130		
Nickel	0.101	mg/L	0.1000	ND	101	70-130		
Selenium	0.107	mg/L	0.1000	ND	107	70-130		
Thallium	0.0821	mg/L	0.1000	ND	82	70-130		
Zinc	0.124	mg/L	0.1000	0.0186	105	70-130		

Matrix Spike Dup (B306851-MSD1) Source: 3043804-02 Prepared: 04/30/13 Analyzed: 05/01/13

Antimony	0.111	mg/L	0.1000	ND	111	70-130	1	20
Silver	0.0248	mg/L	0.02500	ND	99	70-130	2	20
Copper	0.102	mg/L	0.1000	0.00284	99	70-130	0.6	20
Arsenic	0.102	mg/L	0.1000	ND	102	70-130	1	20
Beryllium	0.116	mg/L	0.1000	ND	116	70-130	2	20
Cadmium	0.0965	mg/L	0.1000	ND	97	70-130	0.4	20
Chromium	0.105	mg/L	0.1000	0.00160	103	70-130	0.5	20
Iron	0.400	mg/L	0.1000	0.301	99	70-130	0.3	20
Lead	0.0953	mg/L	0.1000	0.00519	90	70-130	0.09	20
Nickel	0.101	mg/L	0.1000	ND	101	70-130	0.2	20
Selenium	0.118	mg/L	0.1000	ND	118	70-130	10	20
Thallium	0.0775	mg/L	0.1000	ND	77	70-130	6	20
Zinc	0.123	mg/L	0.1000	0.0186	105	70-130	0.4	20

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B306854 - 04-No Prep VOA

Blank (B306854-BLK1) Prepared & Analyzed: 04/30/13

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						

3043821



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Bridgeton Landfill
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St. Louis, MO 63044
Attn: Bryan Sehie

Date Received: 04/29/13 10:37
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306854 - 04-No Prep VOA								
Blank (B306854-BLK1)			Prepared & Analyzed: 04/30/13					
1,2-Dichloropropane	< 5.0	ug/L						
1,3-Dichlorobenzene	< 5.0	ug/L						
1,4-Dichlorobenzene	< 5.0	ug/L						
2-Chloroethylvinyl ether	< 5.0	ug/L						
Acetone	< 10	ug/L						
Acrolein	< 25	ug/L						
Acrylonitrile	< 10	ug/L						
Benzene	< 5.0	ug/L						
Bromodichloromethane	< 5.0	ug/L						
Bromoform	< 5.0	ug/L						
Bromomethane	< 10	ug/L						
Carbon tetrachloride	< 5.0	ug/L						
Chlorobenzene	< 5.0	ug/L						
Chloroethane	< 10	ug/L						
Chloroform	< 5.0	ug/L						
Chloromethane	< 10	ug/L						
cis-1,3-Dichloropropene	< 5.0	ug/L						
Dibromochloromethane	< 5.0	ug/L						
Ethylbenzene	< 5.0	ug/L						
m,p-Xylene	< 10	ug/L						
Methylene chloride	< 5.0	ug/L						
o-Xylene	< 5.0	ug/L						
Tetrachloroethene	< 5.0	ug/L						
Toluene	< 5.0	ug/L						
trans-1,2-Dichloroethene	< 5.0	ug/L						
trans-1,3-Dichloropropene	< 5.0	ug/L						
Trichloroethene	< 5.0	ug/L						
Trichlorofluoromethane	< 5.0	ug/L						
Vinyl chloride	< 5.0	ug/L						
Surrogate: 1,2-Dichloroethane-d4	35.0	ug/L	30.00		117	65-134		
Surrogate: Toluene-d8	29.3	ug/L	30.00		98	74.2-117		
Surrogate: Bromofluorobenzene	30.0	ug/L	30.00		100	74.1-125		
LCS (B306854-BS1)			Prepared & Analyzed: 04/30/13					
1,1,1-Trichloroethane	18.5	ug/L	20.00		93	76-131		
1,1,2,2-Tetrachloroethane	18.6	ug/L	20.00		93	79-126		
1,1,2-Trichloroethane	19.5	ug/L	20.00		98	79-123		
1,1-Dichloroethane	20.8	ug/L	20.00		104	74-133		
1,1-Dichloroethene	19.4	ug/L	20.00		97	71-135		
1,2-Dichlorobenzene	19.1	ug/L	20.00		95	76-113		



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St. Louis, MO 63044
Attn: Bryan Sehie

Date Received: 04/29/13 10:37
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306854 - 04-No Prep VOA								
LCS (B306854-BS1)			Prepared & Analyzed: 04/30/13					
1,2-Dichloroethane	21.5	ug/L	20.00		107	80-135		
1,2-Dichloropropane	20.2	ug/L	20.00		101	78-127		
1,3-Dichlorobenzene	19.5	ug/L	20.00		98	82-119		
1,4-Dichlorobenzene	18.7	ug/L	20.00		94	78-118		
2-Chloroethylvinyl ether	18.5	ug/L	20.00		93	66-138		
Acrolein	76.7	ug/L	100.0		77	38-156		
Acrylonitrile	17.8	ug/L	20.00		89	43-121		
Benzene	19.0	ug/L	20.00		95	84-114		
Bromodichloromethane	18.8	ug/L	20.00		94	82-116		
Bromoform	19.2	ug/L	20.00		96	65-115		
Bromomethane	17.6	ug/L	20.00		88	28-143		
Carbon tetrachloride	18.9	ug/L	20.00		94	72-131		
Chlorobenzene	18.7	ug/L	20.00		94	82-112		
Chloroethane	16.4	ug/L	20.00		82	41-126		
Chloroform	18.3	ug/L	20.00		91	78-124		
Chloromethane	15.5	ug/L	20.00		77	52-110		
cis-1,3-Dichloropropene	18.4	ug/L	20.00		92	82-116		
Dibromochloromethane	19.0	ug/L	20.00		95	83-119		
Ethylbenzene	19.6	ug/L	20.00		98	85-118		
m,p-Xylene	37.9	ug/L	40.00		95	80-111		
Methylene chloride	20.4	ug/L	20.00		102	78-140		
o-Xylene	19.1	ug/L	20.00		95	81-111		
Tetrachloroethene	20.9	ug/L	20.00		105	65-135		
Toluene	19.3	ug/L	20.00		97	81-120		
trans-1,2-Dichloroethene	18.5	ug/L	20.00		93	70-136		
trans-1,3-Dichloropropene	17.7	ug/L	20.00		89	82-113		
Trichloroethene	20.1	ug/L	20.00		101	84-125		
Trichlorofluoromethane	20.7	ug/L	20.00		104	70-138		
Vinyl chloride	19.5	ug/L	20.00		98	56-112		
Surrogate: 1,2-Dichloroethane-d4	33.9	ug/L	30.00		113	65.3-134		
Surrogate: Toluene-d8	30.1	ug/L	30.00		100	73.2-119		
Surrogate: Bromofluorobenzene	30.9	ug/L	30.00		103	77.8-123		
Matrix Spike (B306854-MS1)			Source: 3043570-02		Prepared & Analyzed: 04/30/13			
1,1,1-Trichloroethane	18.2	ug/L	20.00	ND	91	58-143		
1,1,2,2-Tetrachloroethane	20.3	ug/L	20.00	ND	102	70-133		
1,1,2-Trichloroethane	18.8	ug/L	20.00	ND	94	73-130		
1,1-Dichloroethane	20.6	ug/L	20.00	ND	103	55-146		
1,1-Dichloroethene	19.5	ug/L	20.00	ND	97	51-150		
1,2-Dichlorobenzene	19.8	ug/L	20.00	ND	99	62-120		



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Date Received: 04/29/13 10:37
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306854 - 04-No Prep VOA								
Matrix Spike (B306854-MS1)		Source: 3043570-02		Prepared & Analyzed: 04/30/13				
1,2-Dichloroethane	20.1	ug/L	20.00	ND	101	67-143		
1,2-Dichloropropane	19.5	ug/L	20.00	ND	97	66-134		
1,3-Dichlorobenzene	20.6	ug/L	20.00	ND	103	67-124		
1,4-Dichlorobenzene	19.1	ug/L	20.00	ND	95	66-123		
Acrolein	57.7	ug/L	100.0	ND	58	14-156		
Acrylonitrile	19.0	ug/L	20.00	ND	95	46-116		
Benzene	18.5	ug/L	20.00	ND	93	69-126		
Bromodichloromethane	19.7	ug/L	20.00	ND	99	67-128		
Bromoform	20.5	ug/L	20.00	ND	103	42-132		
Bromomethane	29.2	ug/L	20.00	20.0	46	5-138		
Carbon tetrachloride	19.8	ug/L	20.00	ND	99	53-151		
Chlorobenzene	18.3	ug/L	20.00	ND	91	67-124		
Chloroethane	13.9	ug/L	20.00	ND	70	35-123		
Chloroform	18.5	ug/L	20.00	ND	93	41-155		
Chloromethane	11.3	ug/L	20.00	ND	56	39-120		
cis-1,3-Dichloropropene	18.9	ug/L	20.00	ND	94	68-126		
Dibromochloromethane	19.7	ug/L	20.00	ND	99	68-131		
Ethylbenzene	19.2	ug/L	20.00	ND	96	68-128		
m,p-Xylene	36.5	ug/L	40.00	ND	91	64-122		
Methylene chloride	23.3	ug/L	20.00	ND	117	70-150		
o-Xylene	18.4	ug/L	20.00	ND	92	65-122		
Tetrachloroethene	14.5	ug/L	20.00	ND	73	42-132		
Toluene	18.6	ug/L	20.00	ND	93	64-137		
trans-1,2-Dichloroethene	Q1 9.65	ug/L	20.00	ND	48	57-145		
trans-1,3-Dichloropropene	17.5	ug/L	20.00	ND	87	66-121		
Trichloroethene	19.2	ug/L	20.00	ND	96	69-131		
Trichlorofluoromethane	18.1	ug/L	20.00	ND	90	36-162		
Vinyl chloride	14.3	ug/L	20.00	ND	71	24-137		
Surrogate: 1,2-Dichloroethane-d4	35.6	ug/L	30.00		119	63.3-137		
Surrogate: Toluene-d8	30.8	ug/L	30.00		103	71-122		
Surrogate: Bromofluorobenzene	30.3	ug/L	30.00		101	74.6-123		
Matrix Spike Dup (B306854-MSD1)		Source: 3043570-02		Prepared & Analyzed: 04/30/13				
1,1,1-Trichloroethane	16.2	ug/L	20.00	ND	81	58-143	12	40
1,1,2,2-Tetrachloroethane	17.0	ug/L	20.00	ND	85	70-133	17	40
1,1,2-Trichloroethane	16.7	ug/L	20.00	ND	84	73-130	12	40
1,1-Dichloroethane	19.6	ug/L	20.00	ND	98	55-146	5	40
1,1-Dichloroethene	17.8	ug/L	20.00	ND	89	51-150	9	40
1,2-Dichlorobenzene	16.8	ug/L	20.00	ND	84	62-120	17	40
1,2-Dichloroethane	18.5	ug/L	20.00	ND	93	67-143	8	40



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

Date Received: 04/29/13 10:37
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306854 - 04-No Prep VOA								
Matrix Spike Dup (B306854-MSD1)	Source: 3043570-02		Prepared & Analyzed: 04/30/13					
1,2-Dichloropropane	16.8	ug/L	20.00	ND	84	66-134	15	40
1,3-Dichlorobenzene	18.6	ug/L	20.00	ND	93	67-124	10	40
1,4-Dichlorobenzene	17.2	ug/L	20.00	ND	86	66-123	10	40
Acrolein	52.0	ug/L	100.0	ND	52	14-156	10	40
Acrylonitrile	16.4	ug/L	20.00	ND	82	46-116	15	40
Benzene	15.9	ug/L	20.00	ND	80	69-126	15	40
Bromodichloromethane	17.4	ug/L	20.00	ND	87	67-128	13	40
Bromoform	18.0	ug/L	20.00	ND	90	42-132	13	40
Bromomethane	27.2	ug/L	20.00	20.0	36	5-138	7	40
Carbon tetrachloride	18.1	ug/L	20.00	ND	90	53-151	9	40
Chlorobenzene	16.0	ug/L	20.00	ND	80	67-124	13	40
Chloroethane	13.3	ug/L	20.00	ND	67	35-123	4	40
Chloroform	17.5	ug/L	20.00	ND	88	41-155	5	40
Chloromethane	9.58	ug/L	20.00	ND	48	39-120	16	40
cis-1,3-Dichloropropene	17.4	ug/L	20.00	ND	87	68-126	8	40
Dibromochloromethane	16.8	ug/L	20.00	ND	84	68-131	16	40
Ethylbenzene	16.4	ug/L	20.00	ND	82	68-128	16	40
m,p-Xylene	31.8	ug/L	40.00	ND	80	64-122	14	40
Methylene chloride	20.8	ug/L	20.00	ND	104	70-150	11	40
o-Xylene	15.8	ug/L	20.00	ND	79	65-122	15	40
Tetrachloroethene	12.7	ug/L	20.00	ND	64	42-132	13	40
Toluene	16.2	ug/L	20.00	ND	81	64-137	13	40
trans-1,2-Dichloroethene	11.7	ug/L	20.00	ND	59	57-145	19	40
trans-1,3-Dichloropropene	15.6	ug/L	20.00	ND	78	66-121	11	40
Trichloroethene	16.6	ug/L	20.00	ND	83	69-131	15	40
Trichlorofluoromethane	17.4	ug/L	20.00	ND	87	36-162	4	40
Vinyl chloride	13.1	ug/L	20.00	ND	65	24-137	9	40
Surrogate: 1,2-Dichloroethane-d4	29.8	ug/L	30.00		99	63.3-137		
Surrogate: Toluene-d8	26.3	ug/L	30.00		88	71-122		
Surrogate: Bromofluorobenzene	26.6	ug/L	30.00		89	74.6-123		

Batch B307057 - 04-No Prep VOA

Blank (B307057-BLK1)		Prepared & Analyzed: 05/03/13						
1,1,1-Trichloroethane	< 5.0	ug/L						
1,1,1,2-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						



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St. Louis, MO 63044
Attn: Bryan Sehie

Date Received: 04/29/13 10:37
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307057 - 04-No Prep VOA								
Blank (B307057-BLK1)			Prepared & Analyzed: 05/03/13					
1,2-Dichloroethane	< 5.0	ug/L						
1,2-Dichloropropane	< 5.0	ug/L						
1,3-Dichlorobenzene	< 5.0	ug/L						
1,4-Dichlorobenzene	< 5.0	ug/L						
2-Chloroethylvinyl ether	< 5.0	ug/L						
Acetone	< 10	ug/L						
Acrolein	< 25	ug/L						
Acrylonitrile	< 10	ug/L						
Benzene	< 5.0	ug/L						
Bromodichloromethane	< 5.0	ug/L						
Bromoform	< 5.0	ug/L						
Bromomethane	< 10	ug/L						
Carbon tetrachloride	< 5.0	ug/L						
Chlorobenzene	< 5.0	ug/L						
Chloroethane	< 10	ug/L						
Chloroform	< 5.0	ug/L						
Chloromethane	< 10	ug/L						
cis-1,3-Dichloropropene	< 5.0	ug/L						
Dibromochloromethane	< 5.0	ug/L						
Ethylbenzene	< 5.0	ug/L						
m,p-Xylene	< 10	ug/L						
Methylene chloride	< 5.0	ug/L						
o-Xylene	< 5.0	ug/L						
Tetrachloroethene	< 5.0	ug/L						
Toluene	< 5.0	ug/L						
trans-1,2-Dichloroethene	< 5.0	ug/L						
trans-1,3-Dichloropropene	< 5.0	ug/L						
Trichloroethene	< 5.0	ug/L						
Trichlorofluoromethane	< 5.0	ug/L						
Vinyl chloride	< 5.0	ug/L						
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>31.8</i>	<i>ug/L</i>	<i>30.00</i>		<i>106</i>	<i>65-134</i>		
<i>Surrogate: Toluene-d8</i>	<i>28.8</i>	<i>ug/L</i>	<i>30.00</i>		<i>96</i>	<i>74.2-117</i>		
<i>Surrogate: Bromofluorobenzene</i>	<i>30.6</i>	<i>ug/L</i>	<i>30.00</i>		<i>102</i>	<i>74.1-125</i>		
LCS (B307057-BS1)			Prepared & Analyzed: 05/03/13					
1,1,1-Trichloroethane	15.7	ug/L	20.00		79	76-131		
1,1,2,2-Tetrachloroethane	18.5	ug/L	20.00		93	79-126		
1,1,2-Trichloroethane	18.7	ug/L	20.00		94	79-123		
1,1-Dichloroethane	19.1	ug/L	20.00		96	74-133		
1,1-Dichloroethene	17.2	ug/L	20.00		86	71-135		



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Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307057 - 04-No Prep VOA								
LCS (B307057-BS1)			Prepared & Analyzed: 05/03/13					
1,2-Dichlorobenzene	16.7	ug/L	20.00		83	76-113		
1,2-Dichloroethane	21.1	ug/L	20.00		105	80-135		
1,2-Dichloropropane	18.6	ug/L	20.00		93	78-127		
1,3-Dichlorobenzene	17.7	ug/L	20.00		88	82-119		
1,4-Dichlorobenzene	16.4	ug/L	20.00		82	78-118		
2-Chloroethylvinyl ether	17.9	ug/L	20.00		89	66-138		
Acrolein	81.3	ug/L	100.0		81	38-156		
Acrylonitrile	18.6	ug/L	20.00		93	43-121		
Benzene	17.2	ug/L	20.00		86	84-114		
Bromodichloromethane	17.6	ug/L	20.00		88	82-116		
Bromoform	18.8	ug/L	20.00		94	65-115		
Bromomethane	21.3	ug/L	20.00		107	28-143		
Carbon tetrachloride	16.1	ug/L	20.00		80	72-131		
Chlorobenzene	16.7	ug/L	20.00		84	82-112		
Chloroethane	13.5	ug/L	20.00		68	41-126		
Chloroform	17.1	ug/L	20.00		85	78-124		
Chloromethane	16.0	ug/L	20.00		80	52-110		
cis-1,3-Dichloropropene	17.3	ug/L	20.00		87	82-116		
Dibromochloromethane	19.0	ug/L	20.00		95	83-119		
Ethylbenzene	17.2	ug/L	20.00		86	85-118		
m,p-Xylene	34.9	ug/L	40.00		87	80-111		
Methylene chloride	18.9	ug/L	20.00		94	78-140		
o-Xylene	16.6	ug/L	20.00		83	81-111		
Tetrachloroethene	15.6	ug/L	20.00		78	65-135		
Toluene	17.2	ug/L	20.00		86	81-120		
trans-1,2-Dichloroethene	16.0	ug/L	20.00		80	70-136		
trans-1,3-Dichloropropene	16.5	ug/L	20.00		82	82-113		
Trichloroethene	17.6	ug/L	20.00		88	84-125		
Trichlorofluoromethane	15.3	ug/L	20.00		77	70-138		
Vinyl chloride	17.6	ug/L	20.00		88	56-112		
Surrogate: 1,2-Dichloroethane-d4	34.1	ug/L	30.00		114	65.3-134		
Surrogate: Toluene-d8	30.8	ug/L	30.00		103	73.2-119		
Surrogate: Bromofluorobenzene	31.2	ug/L	30.00		104	77.8-123		
Matrix Spike (B307057-MS1)			Source: 3043573-02		Prepared & Analyzed: 05/03/13			
1,1,1-Trichloroethane	14.0	ug/L	20.00	ND	70	58-143		
1,1,2,2-Tetrachloroethane	17.0	ug/L	20.00	ND	85	70-133		
1,1,2-Trichloroethane	16.4	ug/L	20.00	ND	82	73-130		
1,1-Dichloroethane	18.1	ug/L	20.00	ND	90	55-146		
1,1-Dichloroethene	14.4	ug/L	20.00	ND	72	51-150		



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St. Louis, MO 63044
Attn: Bryan Sehie

Date Received: 04/29/13 10:37
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

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

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B306814 - 04 SW 3510 (625/8270)

3043821



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Date Received: 04/29/13 10:37
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Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306814 - 04 SW 3510 (625/8270)								
Blank (B306814-BLK1)			Prepared: 05/01/13 Analyzed: 05/04/13					
1,2,4-Trichlorobenzene	< 10.0	ug/L						
1,2-Dichlorobenzene	< 10.0	ug/L						
1,3-Dichlorobenzene	< 10.0	ug/L						
1,4-Dichlorobenzene	< 10.0	ug/L						
2,4,5-Trichlorophenol	< 10.0	ug/L						
2,4,6-Trichlorophenol	< 10.0	ug/L						
2,4-Dichlorophenol	< 10.0	ug/L						
2,4-Dimethylphenol	< 10.0	ug/L						
2,4-Dinitrophenol	< 10.0	ug/L						
2,4-Dinitrotoluene	< 10.0	ug/L						
2,6-Dimethylaniline	< 5.00	ug/L						
2,6-Dinitrotoluene	< 10.0	ug/L						
2-Chloronaphthalene	< 10.0	ug/L						
2-Chlorophenol	< 10.0	ug/L						
2-Nitrophenol	< 10.0	ug/L						
3,3'-Dichlorobenzidine	< 10.0	ug/L						
4,6-Dinitro-2-methylphenol	< 10.0	ug/L						
4-Bromophenylphenyl ether	< 10.0	ug/L						
4-Chloro-3-methylphenol	< 10.0	ug/L						
4-Chlorophenylphenyl ether	< 10.0	ug/L						
4-Nitrophenol	< 10.0	ug/L						
Acenaphthene	< 10.0	ug/L						
Acenaphthylene	< 10.0	ug/L						
Anthracene	< 10.0	ug/L						
Azobenzene	< 10.0	ug/L						
Benzidine	< 10.0	ug/L						
Benzo(a)anthracene	< 10.0	ug/L						
Benzo(a)pyrene	< 10.0	ug/L						
Benzo(b&k)fluoranthene	< 10.0	ug/L						
Benzo(b)fluoranthene	< 10.0	ug/L						
Benzo(g,h,i)perylene	< 10.0	ug/L						
Benzo(k)fluoranthene	< 10.0	ug/L						
Bis(2-chloroethoxy) methane	< 10.0	ug/L						
Bis(2-chloroethyl) ether	< 10.0	ug/L						
Bis(2-chloroisopropyl) ether	< 10.0	ug/L						
Bis(2-ethylhexyl) phthalate	< 10.0	ug/L						
Butyl benzyl phthalate	< 10.0	ug/L						
Chrysene	< 10.0	ug/L						
Dibenzo(a,h)anthracene	< 10.0	ug/L						
Diethyl phthalate	< 10.0	ug/L						



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Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306814 - 04 SW 3510 (625/8270)								
Blank (B306814-BLK1)			Prepared: 05/01/13 Analyzed: 05/04/13					
Dimethyl phthalate	< 10.0	ug/L						
Di-n-butyl phthalate	< 10.0	ug/L						
Di-n-octyl phthalate	< 10.0	ug/L						
Diphenylamine	< 10.0	ug/L						
Fluoranthene	< 10.0	ug/L						
Fluorene	< 10.0	ug/L						
Hexachlorobenzene	< 10.0	ug/L						
Hexachlorobutadiene	< 10.0	ug/L						
Hexachlorocyclopentadiene	< 10.0	ug/L						
Hexachloroethane	< 10.0	ug/L						
Indeno(1,2,3-cd)pyrene	< 10.0	ug/L						
Isophorone	< 10.0	ug/L						
Naphthalene	< 10.0	ug/L						
Nitrobenzene	< 10.0	ug/L						
N-Nitrosodimethylamine	< 10.0	ug/L						
N-Nitrosodi-n-propylamine	< 10.0	ug/L						
Pentachlorophenol	< 10.0	ug/L						
Phenanthrene	< 10.0	ug/L						
Phenol	< 10.0	ug/L						
Pyrene	< 10.0	ug/L						
1,4-Dichlorobenzene-d4	40	ug/L				0-200		
Naphthalene-d8	40	ug/L				0-200		
Acenaphthene-d10	40	ug/L				0-200		
Phenanthrene-d10	40	ug/L				0-200		
Chrysene-d12	40	ug/L				0-200		
Perylene-d12	40	ug/L				0-200		
Surrogate: 2-Fluorophenol	49	ug/L	80.00		61	52.2-99.4		
Surrogate: Phenol- d5	51	ug/L	80.00		63	56.8-100		
Surrogate: Nitrobenzene-d5	57	ug/L	80.00		71	62.4-112		
Surrogate: 2-Fluorobiphenyl	57	ug/L	80.00		72	58-107		
Surrogate: 2,4,6-Tribromophenol	45	ug/L	80.00		57	37.6-118		
Surrogate: p-Terphenyl-d14	55	ug/L	80.00		69	42.1-123		
LCS (B306814-BS1)			Prepared: 05/01/13 Analyzed: 05/04/13					
1,2,4-Trichlorobenzene	52	ug/L	80.00		65	56-88		
1,2-Dichlorobenzene	53	ug/L	80.00		67	56-86		
1,3-Dichlorobenzene	51	ug/L	80.00		64	54-84		
1,4-Dichlorobenzene	53	ug/L	80.00		67	55-87		
2,4,5-Trichlorophenol	61	ug/L	80.00		76	54-107		
2,4,6-Trichlorophenol	61	ug/L	80.00		76	53-108		



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Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306814 - 04 SW 3510 (625/8270)								
LCS (B306814-BS1)			Prepared: 05/01/13 Analyzed: 05/04/13					
2,4-Dichlorophenol	59	ug/L	80.00		74	57-100		
2,4-Dimethylphenol	59	ug/L	80.00		74	58-99		
2,4-Dinitrophenol	69	ug/L	80.00		86	41-122		
2,4-Dinitrotoluene	53	ug/L	80.00		67	46-100		
2,6-Dimethylaniline	53	ug/L				56-92		
2,6-Dinitrotoluene	54	ug/L	80.00		67	53-100		
2-Chloronaphthalene	50	ug/L	80.00		62	54-90		
2-Chlorophenol	61	ug/L	80.00		76	59-97		
2-Methylnaphthalene	58	ug/L				51-95		
2-Methylphenol	59	ug/L	80.00		74	56-107		
2-Nitroaniline	56	ug/L				51-97		
2-Nitrophenol	60	ug/L	80.00		75	56-105		
3- & 4-Methylphenol	63	ug/L	80.00		79	56-100		
3,3'-Dichlorobenzidine	59	ug/L	80.00		74	50-107		
3-Nitroaniline	52	ug/L				54-93		
4,6-Dinitro-2-methylphenol	66	ug/L	80.00		83	51-102		
4-Bromophenylphenyl ether	51	ug/L	80.00		64	52-97		
4-Chloro-3-methylphenol	62	ug/L	80.00		78	58-102		
4-Chloroaniline	53	ug/L				59-89		
4-Chlorophenylphenyl ether	55	ug/L	80.00		69	52-98		
4-Nitroaniline	52	ug/L				58-88		
4-Nitrophenol	64	ug/L	80.00		80	47-114		
Acenaphthene	52	ug/L	80.00		65	54-93		
Acenaphthylene	51	ug/L	80.00		64	56-93		
Aniline	53	ug/L				53-96		
Anthracene	55	ug/L	80.00		68	57-94		
Azobenzene	55	ug/L	80.00		69	44-98		
Benzidine	10	ug/L	80.00		12	10-68		
Benzo(a)anthracene	51	ug/L	80.00		64	45-94		
Benzo(a)pyrene	56	ug/L	80.00		69	50-111		
Benzo(b&k)fluoranthene	115	ug/L	160.0		72	52-102		
Benzo(b)fluoranthene	55	ug/L	80.00		68	50-108		
Benzo(g,h,i)perylene	59	ug/L	80.00		74	45-102		
Benzo(k)fluoranthene	72	ug/L	80.00		90	50-98		
Benzoic Acid	75	ug/L	80.00		94	43-117		
Benzyl alcohol	54	ug/L				53-92		
Bis(2-chloroethoxy) methane	51	ug/L	80.00		64	52-89		
Bis(2-chloroethyl) ether	50	ug/L	80.00		63	55-88		
Bis(2-chloroisopropyl) ether	55	ug/L	80.00		69	37-81		



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

Date Received: 04/29/13 10:37
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306814 - 04 SW 3510 (625/8270)								
LCS (B306814-BS1)			Prepared: 05/01/13 Analyzed: 05/04/13					
Bis(2-ethylhexyl) phthalate	52	ug/L	80.00		66	44-97		
Butyl benzyl phthalate	52	ug/L	80.00		65	44-96		
Carbazole	49	ug/L				57-88		
Chrysene	55	ug/L	80.00		69	50-100		
Dibenzo(a,h)anthracene	59	ug/L	80.00		74	53-99		
Dibenzofuran	56	ug/L				58-91		
Diethyl phthalate	52	ug/L	80.00		65	53-92		
Dimethyl phthalate	53	ug/L	80.00		66	53-93		
Di-n-butyl phthalate	52	ug/L	80.00		65	55-96		
Di-n-octyl phthalate	56	ug/L	80.00		70	42-110		
Diphenylamine	62	ug/L	80.00		77	49-97		
Fluoranthene	53	ug/L	80.00		66	56-92		
Fluorene	53	ug/L	80.00		67	52-97		
Hexachlorobenzene	51	ug/L	80.00		63	51-98		
Hexachlorobutadiene	51	ug/L	80.00		64	54-92		
Hexachlorocyclopentadiene	27	ug/L	80.00		34	27-85		
Hexachloroethane	53	ug/L	80.00		66	56-83		
Indeno(1,2,3-cd)pyrene	58	ug/L	80.00		72	50-106		
Isophorone	47	ug/L	80.00		59	52-85		
Naphthalene	52	ug/L	80.00		65	59-87		
Nitrobenzene	51	ug/L	80.00		64	48-95		
N-Nitrosodimethylamine	48	ug/L	80.00		60	53-90		
N-Nitrosodi-n-propylamine	42	ug/L	80.00		52	47-87		
Pentachlorophenol	68	ug/L	80.00		85	49-128		
Phenanthrene	52	ug/L	80.00		65	55-95		
Phenol	58	ug/L	80.00		73	55-96		
Pyrene	54	ug/L	80.00		68	51-98		
Pyridine	50	ug/L				44-89		
1,4-Dichlorobenzene-d4	40	ug/L				0-200		
Naphthalene-d8	40	ug/L				0-200		
Acenaphthene-d10	40	ug/L				0-200		
Phenanthrene-d10	40	ug/L				0-200		
Chrysene-d12	40	ug/L				0-200		
Perylene-d12	40	ug/L				0-200		
Surrogate: 2-Fluorophenol	55	ug/L	80.00		68	52.2-99.4		
Surrogate: Phenol- d5	57	ug/L	80.00		71	56.8-100		
Surrogate: Nitrobenzene-d5	60	ug/L	80.00		75	62.4-112		
Surrogate: 2-Fluorobiphenyl	61	ug/L	80.00		76	58-107		
Surrogate: 2,4,6-Tribromophenol	57	ug/L	80.00		71	37.6-118		



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Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306814 - 04 SW 3510 (625/8270)								
LCS (B306814-BS1)			Prepared: 05/01/13 Analyzed: 05/04/13					
Surrogate: <i>p</i> -Terphenyl-d14	55	ug/L	80.00		69	42.1-123		
Matrix Spike (B306814-MS1)			Source: 3043816-01 Prepared: 05/01/13 Analyzed: 05/04/13					
1,2,4-Trichlorobenzene	X 34	ug/L	80.00	ND	42	36-94		
1,2-Dichlorobenzene	X < 200	ug/L	80.00	ND		17-110		
1,3-Dichlorobenzene	X 28	ug/L	80.00	ND	35	27-89		
1,4-Dichlorobenzene	X 40	ug/L	80.00	ND	50	34-87		
2,4,5-Trichlorophenol	X 30	ug/L	80.00	ND	38	15-100		
2,4,6-Trichlorophenol	X 30	ug/L	80.00	ND	37	22-101		
2,4-Dichlorophenol	X < 200	ug/L	80.00	ND		10-100		
2,4-Dimethylphenol	X 141	ug/L	80.00	141	NR	10-94		
2,4-Dinitrophenol	X < 200	ug/L	80.00	ND		10-117		
2,4-Dinitrotoluene	X < 200	ug/L	80.00	ND		34-99		
2,6-Dimethylaniline	X 22	ug/L		ND		10-76		
2,6-Dinitrotoluene	X 67	ug/L	80.00	ND	83	39-101		
2-Chloronaphthalene	X 43	ug/L	80.00	ND	53	39-94		
2-Chlorophenol	X < 200	ug/L	80.00	ND		12-79		
2-Methylnaphthalene	X 58	ug/L		ND		38-98		
2-Methylphenol	X 611	ug/L	80.00	579	41	10-98		
2-Nitroaniline	X 49	ug/L		ND		39-95		
2-Nitrophenol	X < 200	ug/L	80.00	ND		16-102		
3- & 4-Methylphenol	X 1410	ug/L	80.00	2310	NR	10-87		
3,3'-Dichlorobenzidine	X < 200	ug/L	80.00	ND		10-112		
3-Nitroaniline	X < 200	ug/L		ND		10-87		
4,6-Dinitro-2-methylphenol	X < 200	ug/L	80.00	ND		10-113		
4-Bromophenylphenyl ether	X 31	ug/L	80.00	ND	39	38-103		
4-Chloro-3-methylphenol	X 40	ug/L	80.00	ND	49	10-90		
4-Chloroaniline	X < 200	ug/L		ND		10-75		
4-Chlorophenylphenyl ether	X 36	ug/L	80.00	ND	45	40-101		
4-Nitroaniline	X 636	ug/L		ND		10-104		
4-Nitrophenol	X < 200	ug/L	80.00	ND		10-72		
Acenaphthene	X 38	ug/L	80.00	ND	48	41-98		
Acenaphthylene	X 32	ug/L	80.00	ND	41	41-98		
Aniline	X 44	ug/L		ND		10-81		
Anthracene	X 49	ug/L	80.00	17	39	40-102		
Azobenzene	X < 200	ug/L	80.00	ND		36-100		
Benzidine	X < 200	ug/L	80.00	ND		10-55		
Benzo(a)anthracene	X < 200	ug/L	80.00	ND		34-99		
Benzo(a)pyrene	X 33	ug/L	80.00	ND	41	39-114		
Benzo(b&k)fluoranthene	X 68	ug/L	160.0	ND	42	37-112		



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Date Received: 04/29/13 10:37
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Semivolatile Organics - Quality Control

Table with columns: Analyte, Result, Units, Spike Level, Source Result, %REC, %REC Limits, RPD, RPD Limit. Includes a sub-section for Batch B306814 - 04 SW 3510 (625/8270) with Matrix Spike (B306814-MS1) and Source: 3043816-01.



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Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306814 - 04 SW 3510 (625/8270)								
Matrix Spike (B306814-MS1)				Source: 3043816-01				Prepared: 05/01/13 Analyzed: 05/04/13
Phenanthrene-d10	X	800	ug/L			0-200		
Chrysene-d12	X	800	ug/L			0-200		
Perylene-d12	X	800	ug/L			0-200		
Surrogate: 2-Fluorophenol	S, X	31	ug/L	80.00	39	10-35		
Surrogate: Phenol- d5	S, X	63	ug/L	80.00	78	10-26		
Surrogate: Nitrobenzene-d5	S, X	40	ug/L	80.00	50	22-105		
Surrogate: 2-Fluorobiphenyl	S, X	39	ug/L	80.00	49	30-97		
Surrogate: 2,4,6-Tribromophenol	S, X	10	ug/L	80.00	12	10-93		
Surrogate: p-Terphenyl-d14	S, X	41	ug/L	80.00	51	22-115		



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Laboratory Results

Notes

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NELAC Accreditation for Drinking Water, Wastewater, Hazardous and Solid Wastes Fields of Testing through IL EPA Lab No. 100230
Illinois Department of Public Health Bacteriological Analysis in Drinking Water Approved Laboratory Registry No. 17553
Drinking Water Certifications: Kansas (E-10338); Missouri (870); Wisconsin (998284430); Indiana (C-IL-040); Iowa (240)
Wastewater Certifications: Arkansas (88-0677); Wisconsin (998284430); Iowa (240); Kansas (E-10335)
Hazardous/Solid Waste Certifications: Arkansas (88-0677); Wisconsin (998284430); Iowa (240); Kansas (E-10335)
UST Certification; Iowa (240)
- SPM PDC Laboratories - Springfield, MO
EPA DMR-QA Program
- STL PDC Laboratories - St. Louis, MO
NELAC Accreditation for Wastewater, Hazardous and Solid Wastes Fields of Testing
Drinking Water Certifications: Kansas (E-10389)

- X Matrix spike diluted below reliable level.
- S Surrogate compound diluted below a reliable quantitation level.
- 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
- H Test performed after the expiration of the appropriate regulatory/advisory maximum allowable hold time.

Certified by: Roxann Shull, Client Services Supervisor



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

Date Received: 05/01/13 16:04
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Sample No: **3050115-01**
Sample Description: **MSD Batch 77**

Collect Date: **04/30/13 18:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
General Chemistry - STL					
COD	48000 mg/L		05/02/13 10:00	DAW	SM 5220D 18Ed 04KS
Oil & Grease - total	< 71 mg/L		05/03/13 08:00	mep	EPA 1664A 04KS
pH	5.7 pH Units	H	05/01/13 16:10	ACV	SM 4500-H B 04KS 18Ed - EPA 150.1 - SW 9040B
Solids - total suspended solids (TSS)	1300 mg/L		05/02/13 09:30	DAW	SM 2540D 18Ed 04KS
Nutrients - STL					
Ammonia-N	690 mg/L		05/02/13 11:00	ACV	SM(18) 4500 NH3 04KS F
Semivolatile Organics - STL					
1,2,4-Trichlorobenzene	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
1,2-Dichlorobenzene	< 200 ug/L		05/04/13 08:42	jk	EPA 625*
1,3-Dichlorobenzene	< 200 ug/L		05/04/13 08:42	jk	EPA 625*
1,4-Dichlorobenzene	< 200 ug/L		05/04/13 08:42	jk	EPA 625*
2,4,5-Trichlorophenol	< 200 ug/L		05/04/13 08:42	jk	EPA 625*
2,4,6-Trichlorophenol	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
2,4-Dichlorophenol	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
2,4-Dimethylphenol	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
2,4-Dinitrophenol	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
2,4-Dinitrotoluene	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
2,6-Dimethylaniline	< 100 ug/L		05/04/13 08:42	jk	EPA 625*
2,6-Dinitrotoluene	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
2-Chloronaphthalene	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
2-Chlorophenol	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
2-Nitrophenol	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
3,3'-Dichlorobenzidine	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
4,6-Dinitro-2-methylphenol	< 200 ug/L		05/04/13 08:42	jk	EPA 625*
4-Bromophenylphenyl ether	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
4-Chloro-3-methylphenol	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
4-Chlorophenylphenyl ether	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
4-Nitrophenol	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
Acenaphthene	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
Acenaphthylene	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
Anthracene	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS

3050115



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Laboratory Results

Sample No: **3050115-01**
Sample Description: **MSD Batch 77**

Collect Date: **04/30/13 18:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
Azobenzene	< 200 ug/L		05/04/13 08:42	jk	EPA 625*
Benzidine	< 200 ug/L		05/04/13 08:42	jk	EPA 625*
Benzo(a)anthracene	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
Benzo(a)pyrene	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
Benzo(b&k)fluoranthene	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
Benzo(b)fluoranthene	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
Benzo(g,h,i)perylene	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
Benzo(k)fluoranthene	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
Bis(2-chloroethoxy) methane	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
Bis(2-chloroethyl) ether	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
Bis(2-chloroisopropyl) ether	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
Bis(2-ethylhexyl) phthalate	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
Butyl benzyl phthalate	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
Chrysene	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
Dibenzo(a,h)anthracene	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
Diethyl phthalate	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
Dimethyl phthalate	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
Di-n-butyl phthalate	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
Di-n-octyl phthalate	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
Diphenylamine	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
Fluoranthene	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
Fluorene	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
Hexachlorobenzene	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
Hexachlorobutadiene	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
Hexachlorocyclopentadiene	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
Hexachloroethane	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
Indeno(1,2,3-cd)pyrene	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
Isophorone	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
Naphthalene	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
Nitrobenzene	461 ug/L		05/04/13 08:42	jk	EPA 625 04KS
N-Nitrosodimethylamine	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
N-Nitrosodi-n-propylamine	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
Pentachlorophenol	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS



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Date Received: 05/01/13 16:04
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Sample No: **3050115-01**
Sample Description: **MSD Batch 77**

Collect Date: **04/30/13 18:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
Phenanthrene	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
Phenol	3190 ug/L		05/04/13 05:07	jk	EPA 625 04KS
Pyrene	< 200 ug/L		05/04/13 08:42	jk	EPA 625 04KS
Surrogate: 2-Fluorophenol	32 % 10-35	S	05/04/13 08:42	jk	EPA 625
Surrogate: Phenol- d5	115 % 10-26	S	05/04/13 08:42	jk	EPA 625
Surrogate: Nitrobenzene-d5	116 % 22-105	S	05/04/13 08:42	jk	EPA 625
Surrogate: 2-Fluorobiphenyl	29 % 30-97	S	05/04/13 08:42	jk	EPA 625
Surrogate: 2,4,6-Tribromophenol	15 % 10-93	S	05/04/13 08:42	jk	EPA 625
Surrogate: p-Terphenyl-d14	30 % 22-115	S	05/04/13 08:42	jk	EPA 625
Soluble Metals - STL					
Mercury	< 0.0020 mg/L		05/03/13 11:36	WPS	EPA 245.1 R3.0 / SW 7470A 04KS
Antimony	0.052 mg/L		05/06/13 10:29	WPS	EPA 200.7 R4.4 04KS
Copper	< 0.0020 mg/L		05/06/13 10:29	WPS	EPA 200.7 R4.4 04KS
Silver	< 0.0020 mg/L		05/06/13 10:29	WPS	EPA 200.7 R4.4 04KS
Arsenic	0.43 mg/L		05/06/13 10:29	WPS	EPA 200.7 R4.4 04KS
Beryllium	0.0014 mg/L		05/06/13 10:29	WPS	EPA 200.7 R4.4 04KS
Cadmium	0.053 mg/L		05/06/13 10:29	WPS	EPA 200.7 R4.4 04KS
Chromium	0.22 mg/L		05/06/13 10:29	WPS	EPA 200.7 R4.4 04KS
Iron	720 mg/L		05/06/13 10:08	WPS	EPA 200.7 R4.4 04KS
Lead	0.12 mg/L		05/06/13 10:29	WPS	EPA 200.7 R4.4 04KS
Nickel	0.072 mg/L		05/06/13 10:29	WPS	EPA 200.7 R4.4 04KS
Selenium	0.037 mg/L		05/06/13 10:29	WPS	EPA 200.7 R4.4 04KS
Thallium	0.025 mg/L		05/06/13 10:29	WPS	EPA 200.7 R4.4 04KS
Zinc	14 mg/L		05/06/13 10:29	WPS	EPA 200.7 R4.4 04KS
Total Metals - STL					
Mercury	0.011 mg/L		05/03/13 11:36	WPS	EPA 245.1 R3.0 / SW 7470A 04KS
Antimony	0.065 mg/L		05/06/13 10:33	WPS	EPA 200.7 R4.4 04KS
Arsenic	0.46 mg/L		05/06/13 10:33	WPS	EPA 200.7 R4.4 04KS
Beryllium	0.0019 mg/L		05/06/13 10:33	WPS	EPA 200.7 R4.4 04KS
Cadmium	0.070 mg/L		05/06/13 10:33	WPS	EPA 200.7 R4.4 04KS
Chromium	0.24 mg/L		05/06/13 10:33	WPS	EPA 200.7 R4.4 04KS
Copper	< 0.0020 mg/L		05/06/13 10:33	WPS	EPA 200.7 R4.4 04KS



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

Date Received: 05/01/13 16:04
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Sample No: **3050115-01**
Sample Description: **MSD Batch 77**

Collect Date: **04/30/13 18:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Total Metals - STL</u>					
Iron	990 mg/L		05/06/13 10:25	WPS	EPA 200.7 R4.4 04KS
Lead	0.20 mg/L		05/06/13 10:33	WPS	EPA 200.7 R4.4 04KS
Nickel	0.080 mg/L		05/06/13 10:33	WPS	EPA 200.7 R4.4 04KS
Selenium	0.036 mg/L		05/06/13 10:33	WPS	EPA 200.7 R4.4 04KS
Silver	< 0.0020 mg/L		05/06/13 10:33	WPS	EPA 200.7 R4.4 04KS
Thallium	0.022 mg/L		05/06/13 10:33	WPS	EPA 200.7 R4.4 04KS
Zinc	15 mg/L		05/06/13 10:33	WPS	EPA 200.7 R4.4 04KS
<u>Volatile Organics - STL</u>					
1,1,1-Trichloroethane	< 100 ug/L		05/04/13 00:51	BP	EPA 624 04KS
1,1,2,2-Tetrachloroethane	< 100 ug/L		05/04/13 00:51	BP	EPA 624 04KS
1,1,2-Trichloroethane	< 100 ug/L		05/04/13 00:51	BP	EPA 624 04KS
1,1-Dichloroethane	< 100 ug/L		05/04/13 00:51	BP	EPA 624 04KS
1,1-Dichloroethene	< 100 ug/L		05/04/13 00:51	BP	EPA 624 04KS
1,2-Dichlorobenzene	< 100 ug/L		05/04/13 00:51	BP	EPA 624 04KS
1,2-Dichloroethane	< 100 ug/L		05/04/13 00:51	BP	EPA 624 04KS
1,2-Dichloropropane	< 100 ug/L		05/04/13 00:51	BP	EPA 624 04KS
1,3-Dichlorobenzene	< 100 ug/L		05/04/13 00:51	BP	EPA 624 04KS
1,4-Dichlorobenzene	< 100 ug/L		05/04/13 00:51	BP	EPA 624 04KS
2-Chloroethylvinyl ether	< 100 ug/L		05/04/13 00:51	BP	EPA 624 04KS
Acetone	58000 ug/L		05/03/13 23:12	BP	EPA 624*
Acrolein	< 500 ug/L		05/04/13 00:51	BP	EPA 624 04KS
Acrylonitrile	< 200 ug/L		05/04/13 00:51	BP	EPA 624 04KS
Benzene	< 100 ug/L		05/04/13 00:51	BP	EPA 624 04KS
Bromodichloromethane	< 100 ug/L		05/04/13 00:51	BP	EPA 624 04KS
Bromoform	< 100 ug/L		05/04/13 00:51	BP	EPA 624 04KS
Bromomethane	< 200 ug/L		05/04/13 00:51	BP	EPA 624 04KS
Carbon tetrachloride	< 100 ug/L		05/04/13 00:51	BP	EPA 624 04KS
Chlorobenzene	< 100 ug/L		05/04/13 00:51	BP	EPA 624 04KS
Chloroethane	< 200 ug/L		05/04/13 00:51	BP	EPA 624 04KS
Chloroform	< 100 ug/L		05/04/13 00:51	BP	EPA 624 04KS
Chloromethane	< 200 ug/L		05/04/13 00:51	BP	EPA 624 04KS
cis-1,3-Dichloropropene	< 100 ug/L		05/04/13 00:51	BP	EPA 624 04KS
Dibromochloromethane	< 100 ug/L		05/04/13 00:51	BP	EPA 624 04KS



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

Date Received: 05/01/13 16:04
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Sample No: **3050115-01**
Sample Description: **MSD Batch 77**

Collect Date: **04/30/13 18:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
Ethylbenzene	< 100 ug/L		05/04/13 00:51	BP	EPA 624 04KS
m,p-Xylene	< 200 ug/L		05/04/13 00:51	BP	EPA 624*
Methylene chloride	< 100 ug/L		05/04/13 00:51	BP	EPA 624 04KS
o-Xylene	< 100 ug/L		05/04/13 00:51	BP	EPA 624*
Tetrachloroethene	< 100 ug/L		05/04/13 00:51	BP	EPA 624 04KS
Toluene	< 100 ug/L		05/04/13 00:51	BP	EPA 624 04KS
trans-1,2-Dichloroethene	< 100 ug/L		05/04/13 00:51	BP	EPA 624 04KS
trans-1,3-Dichloropropene	< 100 ug/L		05/04/13 00:51	BP	EPA 624 04KS
Trichloroethene	< 100 ug/L		05/04/13 00:51	BP	EPA 624 04KS
Trichlorofluoromethane	< 100 ug/L		05/04/13 00:51	BP	EPA 624 04KS
Vinyl chloride	< 100 ug/L		05/04/13 00:51	BP	EPA 624 04KS
Surrogate: 1,2-Dichloroethane-d4	109 % 65-134		05/04/13 00:51	BP	EPA 624
Surrogate: Toluene-d8	103 % 74.2-117		05/04/13 00:51	BP	EPA 624
Surrogate: Bromofluorobenzene	105 % 74.1-125		05/04/13 00:51	BP	EPA 624

Sample No: **3050115-02**
Sample Description: **Trip Blank**

Collect Date: **04/30/13 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL					
1,1,1-Trichloroethane	< 5.0 ug/L		05/03/13 21:33	BP	EPA 624 04KS
1,1,2,2-Tetrachloroethane	< 5.0 ug/L		05/03/13 21:33	BP	EPA 624 04KS
1,1,2-Trichloroethane	< 5.0 ug/L		05/03/13 21:33	BP	EPA 624 04KS
1,1-Dichloroethane	< 5.0 ug/L		05/03/13 21:33	BP	EPA 624 04KS
1,1-Dichloroethene	< 5.0 ug/L		05/03/13 21:33	BP	EPA 624 04KS
1,2-Dichlorobenzene	< 5.0 ug/L		05/03/13 21:33	BP	EPA 624 04KS
1,2-Dichloroethane	< 5.0 ug/L		05/03/13 21:33	BP	EPA 624 04KS
1,2-Dichloropropane	< 5.0 ug/L		05/03/13 21:33	BP	EPA 624 04KS
1,3-Dichlorobenzene	< 5.0 ug/L		05/03/13 21:33	BP	EPA 624 04KS
1,4-Dichlorobenzene	< 5.0 ug/L		05/03/13 21:33	BP	EPA 624 04KS
2-Chloroethylvinyl ether	< 5.0 ug/L		05/03/13 21:33	BP	EPA 624 04KS
Acetone	< 10 ug/L		05/03/13 21:33	BP	EPA 624*

3050115



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

Date Received: 05/01/13 16:04
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Sample No: **3050115-02**
Sample Description: **Trip Blank**

Collect Date: **04/30/13 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Volatile Organics - STL</u>					
Acrolein	< 25 ug/L		05/03/13 21:33	BP	EPA 624 04KS
Acrylonitrile	< 10 ug/L		05/03/13 21:33	BP	EPA 624 04KS
Benzene	< 5.0 ug/L		05/03/13 21:33	BP	EPA 624 04KS
Bromodichloromethane	< 5.0 ug/L		05/03/13 21:33	BP	EPA 624 04KS
Bromoform	< 5.0 ug/L		05/03/13 21:33	BP	EPA 624 04KS
Bromomethane	< 10 ug/L		05/03/13 21:33	BP	EPA 624 04KS
Carbon tetrachloride	< 5.0 ug/L		05/03/13 21:33	BP	EPA 624 04KS
Chlorobenzene	< 5.0 ug/L		05/03/13 21:33	BP	EPA 624 04KS
Chloroethane	< 10 ug/L		05/03/13 21:33	BP	EPA 624 04KS
Chloroform	< 5.0 ug/L		05/03/13 21:33	BP	EPA 624 04KS
Chloromethane	< 10 ug/L		05/03/13 21:33	BP	EPA 624 04KS
cis-1,3-Dichloropropene	< 5.0 ug/L		05/03/13 21:33	BP	EPA 624 04KS
Dibromochloromethane	< 5.0 ug/L		05/03/13 21:33	BP	EPA 624 04KS
Ethylbenzene	< 5.0 ug/L		05/03/13 21:33	BP	EPA 624 04KS
m,p-Xylene	< 10 ug/L		05/03/13 21:33	BP	EPA 624*
Methylene chloride	< 5.0 ug/L		05/03/13 21:33	BP	EPA 624 04KS
o-Xylene	< 5.0 ug/L		05/03/13 21:33	BP	EPA 624*
Tetrachloroethene	< 5.0 ug/L		05/03/13 21:33	BP	EPA 624 04KS
Toluene	< 5.0 ug/L		05/03/13 21:33	BP	EPA 624 04KS
trans-1,2-Dichloroethene	< 5.0 ug/L		05/03/13 21:33	BP	EPA 624 04KS
trans-1,3-Dichloropropene	< 5.0 ug/L		05/03/13 21:33	BP	EPA 624 04KS
Trichloroethene	< 5.0 ug/L		05/03/13 21:33	BP	EPA 624 04KS
Trichlorofluoromethane	< 5.0 ug/L		05/03/13 21:33	BP	EPA 624 04KS
Vinyl chloride	< 5.0 ug/L		05/03/13 21:33	BP	EPA 624 04KS
Surrogate: 1,2-Dichloroethane-d4	111 % 65-134		05/03/13 21:33	BP	EPA 624
Surrogate: Toluene-d8	96 % 74.2-117		05/03/13 21:33	BP	EPA 624
Surrogate: Bromofluorobenzene	104 % 74.1-125		05/03/13 21:33	BP	EPA 624



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

Date Received: 05/01/13 16:04
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

General Chemistry - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306936 - 04-No Prep WC								
Calibration Check (B306936-CCV1)			Prepared & Analyzed: 05/01/13					
pH	H 7.00	pH Units	7.000		100	0-200		
Duplicate (B306936-DUP1)			Source: 3044018-01 Prepared & Analyzed: 05/01/13					
pH	H 7.55	pH Units		7.54			0.1	10
Batch B306946 - 04-No Prep WC								
Blank (B306946-BLK1)			Prepared & Analyzed: 05/02/13					
Solids - total suspended solids (TSS)	< 2.0	mg/L						
LCS (B306946-BS1)			Prepared & Analyzed: 05/02/13					
Solids - total suspended solids (TSS)	103	mg/L	100.0		103	82.9-110		
Duplicate (B306946-DUP1)			Source: 3050109-01 Prepared & Analyzed: 05/02/13					
Solids - total suspended solids (TSS)	9.60	mg/L		9.20			4	5
Duplicate (B306946-DUP2)			Source: 3050109-03 Prepared & Analyzed: 05/02/13					
Solids - total suspended solids (TSS)	4.80	mg/L		4.80			0	5
Batch B306962 - 04-No Prep WC								
Blank (B306962-BLK1)			Prepared & Analyzed: 05/02/13					
COD	< 100	mg/L						
Blank (B306962-BLK2)			Prepared & Analyzed: 05/02/13					
COD	< 5.0	mg/L						
LCS (B306962-BS1)			Prepared & Analyzed: 05/02/13					
COD	510	mg/L	500.0		102	95-105		
LCS (B306962-BS2)			Prepared & Analyzed: 05/02/13					
COD	97.5	mg/L	100.0		98	95-105		
Duplicate (B306962-DUP1)			Source: 3050115-01 Prepared & Analyzed: 05/02/13					
COD	48600	mg/L		48100			0.9	20
Duplicate (B306962-DUP2)			Source: 3050228-02 Prepared & Analyzed: 05/02/13					
COD	9.60	mg/L		9.80			2	20
Batch B307029 - 04-No Prep WC								
Blank (B307029-BLK1)			Prepared & Analyzed: 05/03/13					
Oil & Grease - total	< 5.0	mg/L						
LCS (B307029-BS1)			Prepared & Analyzed: 05/03/13					
Oil & Grease - total	39.7	mg/L	40.00		99	78-114		
LCS Dup (B307029-BSD1)			Prepared & Analyzed: 05/03/13					

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

Date Received: 05/01/13 16:04
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

General Chemistry - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B307029 - 04-No Prep WC

LCS Dup (B307029-BSD1)			Prepared & Analyzed: 05/03/13					
Oil & Grease - total	35.2	mg/L	40.00		88	78-114	12	18

Nutrients - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B307026 - 04-No Prep WC

Blank (B307026-BLK1)			Prepared & Analyzed: 05/02/13					
Ammonia-N	< 0.010	mg/L						
LCS (B307026-BS1)			Prepared & Analyzed: 05/02/13					
Ammonia-N	10.1	mg/L	10.00		101	80-120		
Matrix Spike (B307026-MS1)			Prepared & Analyzed: 05/02/13					
Ammonia-N	9.88	mg/L	10.00	0.120	98	80-120		
Matrix Spike Dup (B307026-MSD1)			Prepared & Analyzed: 05/02/13					
Ammonia-N	9.92	mg/L	10.00	0.120	98	80-120	0.4	20

Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B307032 - 04-SW 7470A/245.1

Blank (B307032-BLK1)			Prepared & Analyzed: 05/03/13					
Mercury	< 0.0002	mg/L						
Blank (B307032-BLK2)			Prepared & Analyzed: 05/03/13					
Mercury	< 0.0002	mg/L						
LCS (B307032-BS1)			Prepared & Analyzed: 05/03/13					
Mercury	0.00214	mg/L	0.002000		107	85-115		
Matrix Spike (B307032-MS1)			Prepared & Analyzed: 05/03/13					
Mercury	0.00227	mg/L	0.002000	ND	114	70-130		
Matrix Spike (B307032-MS2)			Prepared & Analyzed: 05/03/13					
Mercury	0.0217	mg/L	0.02000	ND	108	70-130		
Matrix Spike Dup (B307032-MSD1)			Prepared & Analyzed: 05/03/13					
Mercury	0.00231	mg/L	0.002000	ND	116	70-130	2	20
Matrix Spike Dup (B307032-MSD2)			Prepared & Analyzed: 05/03/13					

3050115



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St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/01/13 16:04
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B307032 - 04-SW 7470A/245.1

Matrix Spike Dup (B307032-MSD2)	Source: 3050241-01	Prepared & Analyzed: 05/03/13						
Mercury	0.0226	mg/L	0.02000	ND	113	70-130	4	20

Batch B307038 - 04 EPA 200.2 R2.8

Blank (B307038-BLK1)	Prepared: 05/03/13 Analyzed: 05/06/13							
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Antimony	< 0.010	mg/L						
Arsenic	< 0.015	mg/L						
Beryllium	< 0.0010	mg/L						
Cadmium	< 0.0020	mg/L						
Chromium	< 0.0020	mg/L						
Copper	< 0.0020	mg/L						
Iron	< 0.010	mg/L						
Lead	< 0.010	mg/L						
Nickel	< 0.0020	mg/L						
Selenium	< 0.010	mg/L						
Silver	< 0.0020	mg/L						
Thallium	< 0.020	mg/L						
Zinc	< 0.010	mg/L						

LCS (B307038-BS1)

Prepared: 05/03/13 Analyzed: 05/06/13

Antimony	0.102	mg/L	0.1000		102	85-115		
Arsenic	0.0943	mg/L	0.1000		94	85-115		
Beryllium	0.115	mg/L	0.1000		115	85-115		
Cadmium	0.102	mg/L	0.1000		102	85-115		
Chromium	0.108	mg/L	0.1000		108	85-115		
Copper	0.104	mg/L	0.1000		104	85-115		
Iron	0.0870	mg/L	0.1000		87	85-115		
Lead	0.104	mg/L	0.1000		104	85-115		
Nickel	0.109	mg/L	0.1000		109	85-115		
Selenium	0.0999	mg/L	0.1000		100	85-115		
Silver	0.0237	mg/L	0.02500		95	85-115		
Thallium	0.0985	mg/L	0.1000		98	85-115		
Zinc	0.104	mg/L	0.1000		104	85-115		

LCS (B307038-BS2)

Prepared: 05/03/13 Analyzed: 05/06/13

Antimony	0.0921	mg/L	0.1000		92	85-115		
Arsenic	< 0.015	mg/L				85-115		
Beryllium	< 0.0010	mg/L				85-115		
Cadmium	< 0.0020	mg/L				85-115		
Chromium	< 0.0020	mg/L				85-115		
Copper	< 0.0020	mg/L				85-115		



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Attn: Ed Galbraith

Date Received: 05/01/13 16:04
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B307038 - 04 EPA 200.2 R2.8

LCS (B307038-BS2)

Prepared: 05/03/13 Analyzed: 05/06/13

Iron	< 0.010	mg/L				85-115		
Lead	< 0.010	mg/L				85-115		
Nickel	< 0.0020	mg/L				85-115		
Selenium	< 0.010	mg/L				85-115		
Silver	< 0.0020	mg/L				85-115		
Thallium	< 0.020	mg/L				85-115		
Zinc	< 0.010	mg/L				85-115		

Matrix Spike (B307038-MS1)

Source: 3050353-01

Prepared: 05/03/13 Analyzed: 05/06/13

Antimony		0.0938	mg/L	0.1000	ND	94	70-130		
Arsenic		0.102	mg/L	0.1000	ND	102	70-130		
Beryllium		0.119	mg/L	0.1000	ND	119	70-130		
Cadmium		0.102	mg/L	0.1000	ND	102	70-130		
Chromium		0.113	mg/L	0.1000	0.00602	106	70-130		
Copper		0.202	mg/L	0.1000	0.0993	103	70-130		
Iron	Q4	4.01	mg/L	0.1000	3.20	809	70-130		
Lead		0.106	mg/L	0.1000	0.00945	96	70-130		
Nickel		0.208	mg/L	0.1000	0.101	108	70-130		
Selenium		0.108	mg/L	0.1000	0.00959	98	70-130		
Silver		0.0225	mg/L	0.02500	ND	90	70-130		
Thallium		0.0823	mg/L	0.1000	ND	82	70-130		
Zinc		0.130	mg/L	0.1000	0.0240	107	70-130		

Matrix Spike Dup (B307038-MSD1)

Source: 3050353-01

Prepared: 05/03/13 Analyzed: 05/06/13

Antimony		0.0834	mg/L	0.1000	ND	83	70-130	12	20
Arsenic		0.0872	mg/L	0.1000	ND	87	70-130	16	20
Beryllium		0.121	mg/L	0.1000	ND	121	70-130	2	20
Cadmium		0.102	mg/L	0.1000	ND	102	70-130	0.4	20
Chromium		0.112	mg/L	0.1000	0.00602	106	70-130	0.4	20
Copper		0.203	mg/L	0.1000	0.0993	103	70-130	0.3	20
Iron	Q4	3.71	mg/L	0.1000	3.20	516	70-130	8	20
Lead		0.105	mg/L	0.1000	0.00945	96	70-130	0.4	20
Nickel		0.206	mg/L	0.1000	0.101	106	70-130	0.8	20
Selenium		0.0971	mg/L	0.1000	0.00959	88	70-130	10	20
Silver		0.0232	mg/L	0.02500	ND	93	70-130	3	20
Thallium		0.0792	mg/L	0.1000	ND	79	70-130	4	20
Zinc		0.131	mg/L	0.1000	0.0240	107	70-130	0.2	20



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

Date Received: 05/01/13 16:04
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Soluble Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307032 - 04-SW 7470A/245.1								
Blank (B307032-BLK1)			Prepared & Analyzed: 05/03/13					
Mercury	< 0.0002	mg/L						
Blank (B307032-BLK2)			Prepared & Analyzed: 05/03/13					
Mercury	< 0.0002	mg/L						
LCS (B307032-BS1)			Prepared & Analyzed: 05/03/13					
Mercury	0.00214	mg/L	0.002000		107	85-115		
Matrix Spike (B307032-MS1)			Source: 3043874-01 Prepared & Analyzed: 05/03/13					
Mercury	0.00227	mg/L	0.002000	ND	114	70-130		
Matrix Spike (B307032-MS2)			Source: 3050241-01 Prepared & Analyzed: 05/03/13					
Mercury	0.0217	mg/L	0.02000	ND	108	70-130		
Matrix Spike Dup (B307032-MSD1)			Source: 3043874-01 Prepared & Analyzed: 05/03/13					
Mercury	0.00231	mg/L	0.002000	ND	116	70-130	2	20
Matrix Spike Dup (B307032-MSD2)			Source: 3050241-01 Prepared & Analyzed: 05/03/13					
Mercury	0.0226	mg/L	0.02000	ND	113	70-130	4	20
Batch B307038 - 04 EPA 200.2 R2.8								
Blank (B307038-BLK2)			Prepared: 05/03/13 Analyzed: 05/06/13					
Copper	< 0.0020	mg/L						
Antimony	< 0.010	mg/L						
Silver	< 0.0020	mg/L						
Arsenic	< 0.015	mg/L						
Beryllium	< 0.0010	mg/L						
Cadmium	< 0.0020	mg/L						
Chromium	< 0.0020	mg/L						
Iron	B2 0.111	mg/L						
Lead	< 0.010	mg/L						
Nickel	< 0.0020	mg/L						
Selenium	< 0.010	mg/L						
Thallium	< 0.020	mg/L						
Zinc	< 0.010	mg/L						
LCS (B307038-BS1)			Prepared: 05/03/13 Analyzed: 05/06/13					
Antimony	0.102	mg/L	0.1000		102	85-115		
Copper	0.104	mg/L	0.1000		104	85-115		
Silver	0.0237	mg/L	0.02500		95	85-115		
Arsenic	0.0943	mg/L	0.1000		94	85-115		
Beryllium	0.115	mg/L	0.1000		115	85-115		
Cadmium	0.102	mg/L	0.1000		102	85-115		



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Bridgeton Landfill
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Attn: Ed Galbraith

Date Received: 05/01/13 16:04
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Soluble Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307038 - 04 EPA 200.2 R2.8								
LCS (B307038-BS1)			Prepared: 05/03/13 Analyzed: 05/06/13					
Chromium	0.108	mg/L	0.1000		108	85-115		
Iron	0.0870	mg/L	0.1000		87	85-115		
Lead	0.104	mg/L	0.1000		104	85-115		
Nickel	0.109	mg/L	0.1000		109	85-115		
Selenium	0.0999	mg/L	0.1000		100	85-115		
Thallium	0.0985	mg/L	0.1000		98	85-115		
Zinc	0.104	mg/L	0.1000		104	85-115		
LCS (B307038-BS2)			Prepared: 05/03/13 Analyzed: 05/06/13					
Silver	< 0.0020	mg/L				85-115		
Copper	< 0.0020	mg/L				85-115		
Antimony	0.0921	mg/L	0.1000		92	85-115		
Arsenic	< 0.015	mg/L				85-115		
Beryllium	< 0.0010	mg/L				85-115		
Cadmium	< 0.0020	mg/L				85-115		
Chromium	< 0.0020	mg/L				85-115		
Iron	< 0.010	mg/L				85-115		
Lead	< 0.010	mg/L				85-115		
Nickel	< 0.0020	mg/L				85-115		
Selenium	< 0.010	mg/L				85-115		
Thallium	< 0.020	mg/L				85-115		
Zinc	< 0.010	mg/L				85-115		
Matrix Spike (B307038-MS1)			Source: 3050353-01		Prepared: 05/03/13 Analyzed: 05/06/13			
Copper	0.202	mg/L	0.1000	0.0993	103	70-130		
Silver	0.0225	mg/L	0.02500	ND	90	70-130		
Antimony	0.0938	mg/L	0.1000	ND	94	70-130		
Arsenic	0.102	mg/L	0.1000	ND	102	70-130		
Beryllium	0.119	mg/L	0.1000	ND	119	70-130		
Cadmium	0.102	mg/L	0.1000	ND	102	70-130		
Chromium	0.113	mg/L	0.1000	0.00602	106	70-130		
Iron	Q4 4.01	mg/L	0.1000	3.20	809	70-130		
Lead	0.106	mg/L	0.1000	0.00945	96	70-130		
Nickel	0.208	mg/L	0.1000	0.101	108	70-130		
Selenium	0.108	mg/L	0.1000	0.00959	98	70-130		
Thallium	0.0823	mg/L	0.1000	ND	82	70-130		
Zinc	0.130	mg/L	0.1000	0.0240	107	70-130		
Matrix Spike Dup (B307038-MSD1)			Source: 3050353-01		Prepared: 05/03/13 Analyzed: 05/06/13			
Copper	0.203	mg/L	0.1000	0.0993	103	70-130	0.3	20
Silver	0.0232	mg/L	0.02500	ND	93	70-130	3	20



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Laboratory Results

Soluble Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307038 - 04 EPA 200.2 R2.8								
Matrix Spike Dup (B307038-MSD1)		Source: 3050353-01		Prepared: 05/03/13 Analyzed: 05/06/13				
Antimony	0.0834	mg/L	0.1000	ND	83	70-130	12	20
Arsenic	0.0872	mg/L	0.1000	ND	87	70-130	16	20
Beryllium	0.121	mg/L	0.1000	ND	121	70-130	2	20
Cadmium	0.102	mg/L	0.1000	ND	102	70-130	0.4	20
Chromium	0.112	mg/L	0.1000	0.00602	106	70-130	0.4	20
Iron	Q4 3.71	mg/L	0.1000	3.20	516	70-130	8	20
Lead	0.105	mg/L	0.1000	0.00945	96	70-130	0.4	20
Nickel	0.206	mg/L	0.1000	0.101	106	70-130	0.8	20
Selenium	0.0971	mg/L	0.1000	0.00959	88	70-130	10	20
Thallium	0.0792	mg/L	0.1000	ND	79	70-130	4	20
Zinc	0.131	mg/L	0.1000	0.0240	107	70-130	0.2	20

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307057 - 04-No Prep VOA								
Blank (B307057-BLK1)		Prepared & Analyzed: 05/03/13						
1,1,1-Trichloroethane	< 5.0	ug/L						
1,1,2,2-Tetrachloroethane	< 5.0	ug/L						
1,1,2-Trichloroethane	< 5.0	ug/L						
1,1-Dichloroethane	< 5.0	ug/L						
1,1-Dichloroethene	< 5.0	ug/L						
1,2-Dichlorobenzene	< 5.0	ug/L						
1,2-Dichloroethane	< 5.0	ug/L						
1,2-Dichloropropane	< 5.0	ug/L						
1,3-Dichlorobenzene	< 5.0	ug/L						
1,4-Dichlorobenzene	< 5.0	ug/L						
2-Chloroethylvinyl ether	< 5.0	ug/L						
Acetone	< 10	ug/L						
Acrolein	< 25	ug/L						
Acrylonitrile	< 10	ug/L						
Benzene	< 5.0	ug/L						
Bromodichloromethane	< 5.0	ug/L						
Bromoform	< 5.0	ug/L						
Bromomethane	< 10	ug/L						
Carbon tetrachloride	< 5.0	ug/L						
Chlorobenzene	< 5.0	ug/L						



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Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307057 - 04-No Prep VOA								
Blank (B307057-BLK1)			Prepared & Analyzed: 05/03/13					
Chloroethane	< 10	ug/L						
Chloroform	< 5.0	ug/L						
Chloromethane	< 10	ug/L						
cis-1,3-Dichloropropene	< 5.0	ug/L						
Dibromochloromethane	< 5.0	ug/L						
Ethylbenzene	< 5.0	ug/L						
m,p-Xylene	< 10	ug/L						
Methylene chloride	< 5.0	ug/L						
o-Xylene	< 5.0	ug/L						
Tetrachloroethene	< 5.0	ug/L						
Toluene	< 5.0	ug/L						
trans-1,2-Dichloroethene	< 5.0	ug/L						
trans-1,3-Dichloropropene	< 5.0	ug/L						
Trichloroethene	< 5.0	ug/L						
Trichlorofluoromethane	< 5.0	ug/L						
Vinyl chloride	< 5.0	ug/L						
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>31.8</i>	<i>ug/L</i>	<i>30.00</i>		<i>106</i>	<i>65-134</i>		
<i>Surrogate: Toluene-d8</i>	<i>28.8</i>	<i>ug/L</i>	<i>30.00</i>		<i>96</i>	<i>74.2-117</i>		
<i>Surrogate: Bromofluorobenzene</i>	<i>30.6</i>	<i>ug/L</i>	<i>30.00</i>		<i>102</i>	<i>74.1-125</i>		
LCS (B307057-BS1)			Prepared & Analyzed: 05/03/13					
1,1,1-Trichloroethane	15.7	ug/L	20.00		79	76-131		
1,1,2,2-Tetrachloroethane	18.5	ug/L	20.00		93	79-126		
1,1,2-Trichloroethane	18.7	ug/L	20.00		94	79-123		
1,1-Dichloroethane	19.1	ug/L	20.00		96	74-133		
1,1-Dichloroethene	17.2	ug/L	20.00		86	71-135		
1,2-Dichlorobenzene	16.7	ug/L	20.00		83	76-113		
1,2-Dichloroethane	21.1	ug/L	20.00		105	80-135		
1,2-Dichloropropane	18.6	ug/L	20.00		93	78-127		
1,3-Dichlorobenzene	17.7	ug/L	20.00		88	82-119		
1,4-Dichlorobenzene	16.4	ug/L	20.00		82	78-118		
2-Chloroethylvinyl ether	17.9	ug/L	20.00		89	66-138		
Acrolein	81.3	ug/L	100.0		81	38-156		
Acrylonitrile	18.6	ug/L	20.00		93	43-121		
Benzene	17.2	ug/L	20.00		86	84-114		
Bromodichloromethane	17.6	ug/L	20.00		88	82-116		
Bromoform	18.8	ug/L	20.00		94	65-115		
Bromomethane	21.3	ug/L	20.00		107	28-143		
Carbon tetrachloride	16.1	ug/L	20.00		80	72-131		
Chlorobenzene	16.7	ug/L	20.00		84	82-112		



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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 B307057 - 04-No Prep VOA								
LCS (B307057-BS1)			Prepared & Analyzed: 05/03/13					
Chloroethane	13.5	ug/L	20.00		68	41-126		
Chloroform	17.1	ug/L	20.00		85	78-124		
Chloromethane	16.0	ug/L	20.00		80	52-110		
cis-1,3-Dichloropropene	17.3	ug/L	20.00		87	82-116		
Dibromochloromethane	19.0	ug/L	20.00		95	83-119		
Ethylbenzene	17.2	ug/L	20.00		86	85-118		
m,p-Xylene	34.9	ug/L	40.00		87	80-111		
Methylene chloride	18.9	ug/L	20.00		94	78-140		
o-Xylene	16.6	ug/L	20.00		83	81-111		
Tetrachloroethene	15.6	ug/L	20.00		78	65-135		
Toluene	17.2	ug/L	20.00		86	81-120		
trans-1,2-Dichloroethene	16.0	ug/L	20.00		80	70-136		
trans-1,3-Dichloropropene	16.5	ug/L	20.00		82	82-113		
Trichloroethene	17.6	ug/L	20.00		88	84-125		
Trichlorofluoromethane	15.3	ug/L	20.00		77	70-138		
Vinyl chloride	17.6	ug/L	20.00		88	56-112		
Surrogate: 1,2-Dichloroethane-d4	34.1	ug/L	30.00		114	65.3-134		
Surrogate: Toluene-d8	30.8	ug/L	30.00		103	73.2-119		
Surrogate: Bromofluorobenzene	31.2	ug/L	30.00		104	77.8-123		
Matrix Spike (B307057-MS1)			Source: 3043573-02		Prepared & Analyzed: 05/03/13			
1,1,1-Trichloroethane	14.0	ug/L	20.00	ND	70	58-143		
1,1,2,2-Tetrachloroethane	17.0	ug/L	20.00	ND	85	70-133		
1,1,2-Trichloroethane	16.4	ug/L	20.00	ND	82	73-130		
1,1-Dichloroethane	18.1	ug/L	20.00	ND	90	55-146		
1,1-Dichloroethene	14.4	ug/L	20.00	ND	72	51-150		
1,2-Dichlorobenzene	15.4	ug/L	20.00	ND	77	62-120		
1,2-Dichloroethane	19.2	ug/L	20.00	ND	96	67-143		
1,2-Dichloropropane	17.2	ug/L	20.00	ND	86	66-134		
1,3-Dichlorobenzene	17.0	ug/L	20.00	ND	85	67-124		
1,4-Dichlorobenzene	15.3	ug/L	20.00	ND	77	66-123		
Acrolein	63.7	ug/L	100.0	ND	64	14-156		
Acrylonitrile	12.5	ug/L	20.00	ND	63	46-116		
Benzene	15.6	ug/L	20.00	ND	78	69-126		
Bromodichloromethane	16.9	ug/L	20.00	ND	84	67-128		
Bromoform	15.2	ug/L	20.00	ND	76	42-132		
Bromomethane	7.93	ug/L	20.00	ND	40	5-138		
Carbon tetrachloride	14.6	ug/L	20.00	ND	73	53-151		
Chlorobenzene	15.9	ug/L	20.00	ND	79	67-124		
Chloroethane	12.1	ug/L	20.00	ND	60	35-123		



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Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307057 - 04-No Prep VOA								
Matrix Spike (B307057-MS1)		Source: 3043573-02		Prepared & Analyzed: 05/03/13				
Chloroform	17.1	ug/L	20.00	ND	86	41-155		
Chloromethane	13.2	ug/L	20.00	ND	66	39-120		
cis-1,3-Dichloropropene	15.5	ug/L	20.00	ND	78	68-126		
Dibromochloromethane	14.8	ug/L	20.00	ND	74	68-131		
Ethylbenzene	15.5	ug/L	20.00	ND	77	68-128		
m,p-Xylene	31.5	ug/L	40.00	ND	79	64-122		
Methylene chloride	18.8	ug/L	20.00	ND	94	70-150		
o-Xylene	15.5	ug/L	20.00	ND	77	65-122		
Tetrachloroethene	12.6	ug/L	20.00	ND	63	42-132		
Toluene	15.2	ug/L	20.00	ND	76	64-137		
trans-1,2-Dichloroethene	15.5	ug/L	20.00	ND	77	57-145		
trans-1,3-Dichloropropene	13.4	ug/L	20.00	ND	67	66-121		
Trichloroethene	14.7	ug/L	20.00	ND	74	69-131		
Trichlorofluoromethane	12.1	ug/L	20.00	ND	61	36-162		
Vinyl chloride	15.3	ug/L	20.00	ND	77	24-137		
Surrogate: 1,2-Dichloroethane-d4	30.3	ug/L	30.00		101	63.3-137		
Surrogate: Toluene-d8	29.5	ug/L	30.00		98	71-122		
Surrogate: Bromofluorobenzene	30.2	ug/L	30.00		101	74.6-123		

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306917 - 04 SW 3510 (625/8270)								
Blank (B306917-BLK1)		Prepared: 05/02/13 Analyzed: 05/03/13						
1,2,4-Trichlorobenzene	< 10.0	ug/L						
1,2-Dichlorobenzene	< 10.0	ug/L						
1,3-Dichlorobenzene	< 10.0	ug/L						
1,4-Dichlorobenzene	< 10.0	ug/L						
2,4,5-Trichlorophenol	< 10.0	ug/L						
2,4,6-Trichlorophenol	< 10.0	ug/L						
2,4-Dichlorophenol	< 10.0	ug/L						
2,4-Dimethylphenol	< 10.0	ug/L						
2,4-Dinitrophenol	< 10.0	ug/L						
2,4-Dinitrotoluene	< 10.0	ug/L						
2,6-Dimethylaniline	< 5.00	ug/L						
2,6-Dinitrotoluene	< 10.0	ug/L						
2-Chloronaphthalene	< 10.0	ug/L						



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Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306917 - 04 SW 3510 (625/8270)								
Blank (B306917-BLK1)			Prepared: 05/02/13 Analyzed: 05/03/13					
2-Chlorophenol	< 10.0	ug/L						
2-Nitrophenol	< 10.0	ug/L						
3,3'-Dichlorobenzidine	< 10.0	ug/L						
4,6-Dinitro-2-methylphenol	< 10.0	ug/L						
4-Bromophenylphenyl ether	< 10.0	ug/L						
4-Chloro-3-methylphenol	< 10.0	ug/L						
4-Chlorophenylphenyl ether	< 10.0	ug/L						
4-Nitrophenol	< 10.0	ug/L						
Acenaphthene	< 10.0	ug/L						
Acenaphthylene	< 10.0	ug/L						
Anthracene	< 10.0	ug/L						
Azobenzene	< 10.0	ug/L						
Benzidine	< 10.0	ug/L						
Benzo(a)anthracene	< 10.0	ug/L						
Benzo(a)pyrene	< 10.0	ug/L						
Benzo(b&k)fluoranthene	< 10.0	ug/L						
Benzo(b)fluoranthene	< 10.0	ug/L						
Benzo(g,h,i)perylene	< 10.0	ug/L						
Benzo(k)fluoranthene	< 10.0	ug/L						
Bis(2-chloroethoxy) methane	< 10.0	ug/L						
Bis(2-chloroethyl) ether	< 10.0	ug/L						
Bis(2-chloroisopropyl) ether	< 10.0	ug/L						
Bis(2-ethylhexyl) phthalate	< 10.0	ug/L						
Butyl benzyl phthalate	< 10.0	ug/L						
Chrysene	< 10.0	ug/L						
Dibenzo(a,h)anthracene	< 10.0	ug/L						
Diethyl phthalate	< 10.0	ug/L						
Dimethyl phthalate	< 10.0	ug/L						
Di-n-butyl phthalate	< 10.0	ug/L						
Di-n-octyl phthalate	< 10.0	ug/L						
Diphenylamine	< 10.0	ug/L						
Fluoranthene	< 10.0	ug/L						
Fluorene	< 10.0	ug/L						
Hexachlorobenzene	< 10.0	ug/L						
Hexachlorobutadiene	< 10.0	ug/L						
Hexachlorocyclopentadiene	< 10.0	ug/L						
Hexachloroethane	< 10.0	ug/L						
Indeno(1,2,3-cd)pyrene	< 10.0	ug/L						
Isophorone	< 10.0	ug/L						



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Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306917 - 04 SW 3510 (625/8270)								
Blank (B306917-BLK1)			Prepared: 05/02/13 Analyzed: 05/03/13					
Naphthalene	< 10.0	ug/L						
Nitrobenzene	< 10.0	ug/L						
N-Nitrosodimethylamine	< 10.0	ug/L						
N-Nitrosodi-n-propylamine	< 10.0	ug/L						
Pentachlorophenol	< 10.0	ug/L						
Phenanthrene	< 10.0	ug/L						
Phenol	< 10.0	ug/L						
Pyrene	< 10.0	ug/L						
1,4-Dichlorobenzene-d4	40	ug/L				0-200		
Naphthalene-d8	40	ug/L				0-200		
Acenaphthene-d10	40	ug/L				0-200		
Phenanthrene-d10	40	ug/L				0-200		
Chrysene-d12	40	ug/L				0-200		
Perylene-d12	40	ug/L				0-200		
Surrogate: 2-Fluorophenol		54 ug/L	80.00		67	52.2-99.4		
Surrogate: Phenol- d5		54 ug/L	80.00		68	56.8-100		
Surrogate: Nitrobenzene-d5		56 ug/L	80.00		70	62.4-112		
Surrogate: 2-Fluorobiphenyl		57 ug/L	80.00		72	58-107		
Surrogate: 2,4,6-Tribromophenol		49 ug/L	80.00		61	37.6-118		
Surrogate: p-Terphenyl-d14		58 ug/L	80.00		72	42.1-123		
LCS (B306917-BS1)			Prepared: 05/02/13 Analyzed: 05/03/13					
1,2,4-Trichlorobenzene	50	ug/L	80.00		63	56-88		
1,2-Dichlorobenzene	52	ug/L	80.00		65	56-86		
1,3-Dichlorobenzene	50	ug/L	80.00		63	54-84		
1,4-Dichlorobenzene	52	ug/L	80.00		65	55-87		
2,4,5-Trichlorophenol	58	ug/L	80.00		72	54-107		
2,4,6-Trichlorophenol	57	ug/L	80.00		72	53-108		
2,4-Dichlorophenol	55	ug/L	80.00		69	57-100		
2,4-Dimethylphenol	55	ug/L	80.00		69	58-99		
2,4-Dinitrophenol	54	ug/L	80.00		68	41-122		
2,4-Dinitrotoluene	53	ug/L	80.00		67	46-100		
2,6-Dimethylaniline	49	ug/L				56-92		
2,6-Dinitrotoluene	54	ug/L	80.00		68	53-100		
2-Chloronaphthalene	51	ug/L	80.00		63	54-90		
2-Chlorophenol	56	ug/L	80.00		70	59-97		
2-Methylnaphthalene	52	ug/L				51-95		
2-Methylphenol	56	ug/L	80.00		70	56-107		
2-Nitroaniline	51	ug/L				51-97		
2-Nitrophenol	53	ug/L	80.00		67	56-105		



PDC Laboratories, Inc.

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



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

Date Received: 05/01/13 16:04
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306917 - 04 SW 3510 (625/8270)								
LCS (B306917-BS1)			Prepared: 05/02/13 Analyzed: 05/03/13					
3- & 4-Methylphenol	59	ug/L	80.00		73	56-100		
3,3'-Dichlorobenzidine	66	ug/L	80.00		82	50-107		
3-Nitroaniline	49	ug/L				54-93		
4,6-Dinitro-2-methylphenol	54	ug/L	80.00		67	51-102		
4-Bromophenylphenyl ether	53	ug/L	80.00		67	52-97		
4-Chloro-3-methylphenol	58	ug/L	80.00		72	58-102		
4-Chloroaniline	49	ug/L				59-89		
4-Chlorophenylphenyl ether	55	ug/L	80.00		68	52-98		
4-Nitroaniline	47	ug/L				58-88		
4-Nitrophenol	59	ug/L	80.00		73	47-114		
Acenaphthene	53	ug/L	80.00		66	54-93		
Acenaphthylene	51	ug/L	80.00		64	56-93		
Aniline	50	ug/L				53-96		
Anthracene	56	ug/L	80.00		70	57-94		
Azobenzene	54	ug/L	80.00		68	44-98		
Benzidine	9	ug/L	80.00		11	10-68		
Benzo(a)anthracene	52	ug/L	80.00		65	45-94		
Benzo(a)pyrene	57	ug/L	80.00		71	50-111		
Benzo(b&k)fluoranthene	116	ug/L	160.0		73	52-102		
Benzo(b)fluoranthene	56	ug/L	80.00		70	50-108		
Benzo(g,h,i)perylene	61	ug/L	80.00		76	45-102		
Benzo(k)fluoranthene	72	ug/L	80.00		90	50-98		
Benzoic Acid	66	ug/L	80.00		82	43-117		
Benzyl alcohol	49	ug/L				53-92		
Bis(2-chloroethoxy) methane	51	ug/L	80.00		63	52-89		
Bis(2-chloroethyl) ether	49	ug/L	80.00		62	55-88		
Bis(2-chloroisopropyl) ether	53	ug/L	80.00		67	37-81		
Bis(2-ethylhexyl) phthalate	54	ug/L	80.00		68	44-97		
Butyl benzyl phthalate	54	ug/L	80.00		67	44-96		
Carbazole	46	ug/L				57-88		
Chrysene	58	ug/L	80.00		72	50-100		
Dibenzo(a,h)anthracene	61	ug/L	80.00		76	53-99		
Dibenzofuran	52	ug/L				58-91		
Diethyl phthalate	53	ug/L	80.00		66	53-92		
Dimethyl phthalate	54	ug/L	80.00		67	53-93		
Di-n-butyl phthalate	54	ug/L	80.00		67	55-96		
Di-n-octyl phthalate	57	ug/L	80.00		71	42-110		
Diphenylamine	65	ug/L	80.00		81	49-97		
Fluoranthene	54	ug/L	80.00		68	56-92		



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Date Received: 05/01/13 16:04
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Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306917 - 04 SW 3510 (625/8270)								
LCS (B306917-BS1)			Prepared: 05/02/13 Analyzed: 05/03/13					
Fluorene	54	ug/L	80.00		67	52-97		
Hexachlorobenzene	53	ug/L	80.00		66	51-98		
Hexachlorobutadiene	50	ug/L	80.00		62	54-92		
Hexachlorocyclopentadiene	27	ug/L	80.00		33	27-85		
Hexachloroethane	52	ug/L	80.00		64	56-83		
Indeno(1,2,3-cd)pyrene	61	ug/L	80.00		76	50-106		
Isophorone	46	ug/L	80.00		58	52-85		
Naphthalene	51	ug/L	80.00		64	59-87		
Nitrobenzene	49	ug/L	80.00		62	48-95		
N-Nitrosodimethylamine	46	ug/L	80.00		58	53-90		
N-Nitrosodi-n-propylamine	41	ug/L	80.00		52	47-87		
Pentachlorophenol	65	ug/L	80.00		81	49-128		
Phenanthrene	54	ug/L	80.00		68	55-95		
Phenol	54	ug/L	80.00		67	55-96		
Pyrene	57	ug/L	80.00		71	51-98		
Pyridine	47	ug/L				44-89		
1,4-Dichlorobenzene-d4	40	ug/L				0-200		
Naphthalene-d8	40	ug/L				0-200		
Acenaphthene-d10	40	ug/L				0-200		
Phenanthrene-d10	40	ug/L				0-200		
Chrysene-d12	40	ug/L				0-200		
Perylene-d12	40	ug/L				0-200		
Surrogate: 2-Fluorophenol	53	ug/L	80.00		66	52.2-99.4		
Surrogate: Phenol- d5	54	ug/L	80.00		68	56.8-100		
Surrogate: Nitrobenzene-d5	51	ug/L	80.00		64	62.4-112		
Surrogate: 2-Fluorobiphenyl	54	ug/L	80.00		68	58-107		
Surrogate: 2,4,6-Tribromophenol	56	ug/L	80.00		71	37.6-118		
Surrogate: p-Terphenyl-d14	50	ug/L	80.00		62	42.1-123		
Matrix Spike (B306917-MS1)			Source: 3050025-01 Prepared: 05/02/13 Analyzed: 05/03/13					
1,2,4-Trichlorobenzene	45	ug/L	80.00	ND	57	36-94		
1,2-Dichlorobenzene	43	ug/L	80.00	ND	54	17-110		
1,3-Dichlorobenzene	40	ug/L	80.00	ND	50	27-89		
1,4-Dichlorobenzene	43	ug/L	80.00	ND	53	34-87		
2,4,5-Trichlorophenol	35	ug/L	80.00	ND	44	15-100		
2,4,6-Trichlorophenol	36	ug/L	80.00	ND	45	22-101		
2,4-Dichlorophenol	33	ug/L	80.00	ND	41	10-100		
2,4-Dimethylphenol	29	ug/L	80.00	ND	36	10-94		
2,4-Dinitrophenol	32	ug/L	80.00	ND	40	10-117		
2,4-Dinitrotoluene	46	ug/L	80.00	ND	58	34-99		



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

Date Received: 05/01/13 16:04
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306917 - 04 SW 3510 (625/8270)								
Matrix Spike (B306917-MS1)	Source: 3050025-01							
				Prepared: 05/02/13		Analyzed: 05/03/13		
2,6-Dimethylaniline	27	ug/L		ND		10-76		
2,6-Dinitrotoluene	46	ug/L	80.00	ND	57	39-101		
2-Chloronaphthalene	47	ug/L	80.00	ND	58	39-94		
2-Chlorophenol	29	ug/L	80.00	ND	36	12-79		
2-Methylnaphthalene	50	ug/L		ND		38-98		
2-Methylphenol	26	ug/L	80.00	ND	33	10-98		
2-Nitroaniline	42	ug/L		ND		39-95		
2-Nitrophenol	35	ug/L	80.00	ND	44	16-102		
3- & 4-Methylphenol	21	ug/L	80.00	ND	26	10-87		
3,3'-Dichlorobenzidine	40	ug/L	80.00	ND	51	10-112		
3-Nitroaniline	27	ug/L		ND		10-87		
4,6-Dinitro-2-methylphenol	37	ug/L	80.00	ND	46	10-113		
4-Bromophenylphenyl ether	49	ug/L	80.00	ND	61	38-103		
4-Chloro-3-methylphenol	30	ug/L	80.00	ND	37	10-90		
4-Chloroaniline	23	ug/L		ND		10-75		
4-Chlorophenylphenyl ether	51	ug/L	80.00	ND	64	40-101		
4-Nitroaniline	26	ug/L		ND		10-104		
4-Nitrophenol	9	ug/L	80.00	ND	11	10-72		
Acenaphthene	49	ug/L	80.00	ND	61	41-98		
Acenaphthylene	47	ug/L	80.00	ND	59	41-98		
Aniline	16	ug/L		ND		10-81		
Anthracene	53	ug/L	80.00	ND	66	40-102		
Azobenzene	51	ug/L	80.00	ND	64	36-100		
Benzidine	Q1 < 10.0	ug/L	80.00	ND		10-55		
Benzo(a)anthracene	49	ug/L	80.00	ND	62	34-99		
Benzo(a)pyrene	53	ug/L	80.00	ND	67	39-114		
Benzo(b&k)fluoranthene	109	ug/L	160.0	ND	68	37-112		
Benzo(b)fluoranthene	51	ug/L	80.00	ND	64	33-128		
Benzo(g,h,i)perylene	57	ug/L	80.00	ND	71	25-106		
Benzo(k)fluoranthene	69	ug/L	80.00	ND	86	33-104		
Benzoic Acid	13	ug/L	80.00	ND	17	10-62		
Benzyl alcohol	20	ug/L		ND		10-85		
Bis(2-chloroethoxy) methane	40	ug/L	80.00	ND	50	28-91		
Bis(2-chloroethyl) ether	39	ug/L	80.00	ND	48	10-109		
Bis(2-chloroisopropyl) ether	46	ug/L	80.00	ND	57	10-105		
Bis(2-ethylhexyl) phthalate	51	ug/L	80.00	ND	64	32-106		
Butyl benzyl phthalate	51	ug/L	80.00	ND	63	32-98		
Carbazole	44	ug/L		ND		50-97		
Chrysene	54	ug/L	80.00	ND	67	40-104		

3050115



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

Date Received: 05/01/13 16:04
Report Date: 05/06/13
Customer #: 277310

Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306917 - 04 SW 3510 (625/8270)								
Matrix Spike (B306917-MS1)	Source: 3050025-01		Prepared: 05/02/13 Analyzed: 05/03/13					
Dibenzo(a,h)anthracene	56	ug/L	80.00	ND	71	32-104		
Dibenzofuran	50	ug/L		ND		29-117		
Diethyl phthalate	45	ug/L	80.00	ND	56	36-99		
Dimethyl phthalate	35	ug/L	80.00	ND	44	30-94		
Di-n-butyl phthalate	51	ug/L	80.00	ND	63	42-101		
Di-n-octyl phthalate	54	ug/L	80.00	ND	67	30-123		
Diphenylamine	59	ug/L	80.00	ND	74	23-110		
Fluoranthene	51	ug/L	80.00	ND	64	39-100		
Fluorene	50	ug/L	80.00	ND	63	40-100		
Hexachlorobenzene	48	ug/L	80.00	ND	60	35-104		
Hexachlorobutadiene	44	ug/L	80.00	ND	55	32-99		
Hexachlorocyclopentadiene	22	ug/L	80.00	ND	27	10-90		
Hexachloroethane	43	ug/L	80.00	ND	54	15-102		
Indeno(1,2,3-cd)pyrene	55	ug/L	80.00	ND	69	32-108		
Isophorone	37	ug/L	80.00	ND	46	29-85		
Naphthalene	46	ug/L	80.00	ND	58	38-97		
Nitrobenzene	42	ug/L	80.00	ND	52	22-102		
N-Nitrosodimethylamine	15	ug/L	80.00	ND	18	10-60		
N-Nitrosodi-n-propylamine	33	ug/L	80.00	ND	42	10-110		
Pentachlorophenol	42	ug/L	80.00	ND	52	11-127		
Phenanthrene	51	ug/L	80.00	ND	64	39-101		
Phenol	10	ug/L	80.00	ND	13	10-39		
Pyrene	53	ug/L	80.00	ND	66	38-106		
Pyridine	9	ug/L		ND		10-23		
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	13	ug/L	80.00		16	10-35		
Surrogate: Phenol- d5	8.7	ug/L	80.00		11	10-26		
Surrogate: Nitrobenzene-d5	42	ug/L	80.00		53	22-105		
Surrogate: 2-Fluorobiphenyl	46	ug/L	80.00		58	30-97		
Surrogate: 2,4,6-Tribromophenol	30	ug/L	80.00		37	10-93		
Surrogate: p-Terphenyl-d14	46	ug/L	80.00		57	22-115		



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Laboratory Results

Notes

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

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

- PIA PDC Laboratories - Peoria, IL
NELAC Accreditation for Drinking Water, Wastewater, Hazardous and Solid Wastes Fields of Testing through IL EPA Lab No. 100230
Illinois Department of Public Health Bacteriological Analysis in Drinking Water Approved Laboratory Registry No. 17553
Drinking Water Certifications: Kansas (E-10338); Missouri (870); Wisconsin (998284430); Indiana (C-IL-040); Iowa (240)
Wastewater Certifications: Arkansas (88-0677); Wisconsin (998284430); Iowa (240); Kansas (E-10335)
Hazardous/Solid Waste Certifications: Arkansas (88-0677); Wisconsin (998284430); Iowa (240); Kansas (E-10335)
UST Certification; Iowa (240)
- SPM PDC Laboratories - Springfield, MO
EPA DMR-QA Program
- STL PDC Laboratories - St. Louis, MO
NELAC Accreditation for Wastewater, Hazardous and Solid Wastes Fields of Testing
Drinking Water Certifications: Kansas (E-10389)

- S Surrogate compound diluted below a reliable quantitation level.
- 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
- H Test performed after the expiration of the appropriate regulatory/advisory maximum allowable hold time.
- B2 Contamination does not impact data since sample result is greater than ten times the contamination level.

Certified by: Roxann Shull, Client Services Supervisor



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

CHAIN OF CUSTODY RECORD
 Phone (314) 432-0550 or (314) 921-4488
 Fax (314) 432-4977

State where samples collected MO

(Instructions/Sample Acceptance Policy on Reverse)

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

1 CLIENT Bridgeton L.F. ADDRESS: 13570 St. Charles Rock Rd. CITY: Bridgeton, MO 63044 CONTACT PERSON: Ed Gulbraith / Scott C Fedak		PROJECT NUMBER P.O. NUMBER MEANS SHIPPED	PHONE NUMBER FAX NUMBER EMAIL ADDRESS	3 ANALYSIS REQUESTED CON (410.4 / 5220C) TSS (2540D) NH ₃ as N (350.1 60.2) pH (150.1) Oil & Grease (464 BOD) VOCs (624) SVOCs (625) Metals (300.7, 325.4, 205)		4 (FOR LAB USE ONLY) LOGIN #: 3050115 LOGGED BY: HE LAB PROJ. # TEMPLATE: PROJ. MGR.:
2 SAMPLE DESCRIPTION AS YOU WANT ON REPORT BATCH 77 - MSD Trip Blank		DATE COLLECTED: 4/30/13 TIME COLLECTED: 1800 SAMPLE TYPE: X MATRIX TYPE: L'CHT Bottle Count: 8	MATRIX TYPES: WW-WASTEWATER DW-DRINKING WATER GW-GROUND WATER WWSL-SLUDGE NAS-SOLID LCHL-LEACHATE NAL-NONAQUEOUS SOIL-SOILS		REMARKS	
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 RESULTS BY: <u>E-MAIL</u> FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE		The sample temperature will be measured upon receipt at the lab. By initialing this area, you request that the lab notify you, before proceeding with analysis, if the sample temperature is outside of the range of 0.1-6.0°C. By not initialing this area, you allow the lab to proceed with analytical testing regardless of the sample temperature.				
7 RELINQUISHED BY: (SIGNATURE) Scott C Fedak DATE: 5/1/13 TIME: 1400		6 RECEIVED BY: [Signature] DATE: 5-1-13 TIME: 14:20		8 COMMENTS: (FOR LAB USE ONLY) SAMPLE TEMPERATURE UPON RECEIPT _____ °C CHILL PROCESS STARTED PRIOR TO RECEIPT Y OR N SAMPLE(S) RECEIVED ON ICE Y OR N PROPER BOTTLES RECEIVED IN GOOD CONDITION Y OR N BOTTLES FILLED WITH ADEQUATE VOLUME Y OR N SAMPLES RECEIVED WITHIN HOLD TIME(S) (EXCLUDES TYPICAL FIELD PARAMETERS) Y OR N DATE AND TIME TAKEN FROM SAMPLE BOTTLE		

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

PAGE 1 OF 1

ATTACHMENT J

LIQUID TRANSPORT MANIFEST LOGS

Manifest Summary

Bridgeton Landfill Liquids

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
---------	-------	-------------------	--------	-------------	-----------	--------------	-------

Loading Date 4/1/2013

1	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 2	Wetterau Homestead	5,300	AWS 70138	Emily Heikes
2	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 2	Sully	6,000	AWS 69966	Emily Heikes
3	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 2	Sully	5,600	AWS 69965	Emily Heikes
4	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 2	Neier	5,700	1684002-15240	Brad Vits
5	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 2	Neier	5,200	1684001-15240	Emily Heikes
6	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 2	Schiber	5,800	AWS 70139	Emily Heikes
7	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 2	Ziron Environmental	5,000	AWS 70140	Brad Vits
8	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 2	Neier	5,500	1683999-15240	Emily Heikes
9	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 2	Turn Key	5,500	AWS 70141	Emily Heikes
10	Hazardous Leachate	Clean Harbors - Sarnia		Freehold Cartage	4,800	006540613	Emily Heikes
11	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 2	Neier	5,800	1683997-15240	Emily Heikes
12	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 4	Wayne Transports	5,300	AWS 70142	Brad Vits
13	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 4	Neier	5,300	1683996-15240	Emily Heikes
14	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 4	Wayne Transports	5,500	AWS 70143	Brad Vits
15	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 4	Wayne Transports	5,500	AWS 70144	Emily Heikes
16	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 4	Schiber	5,800	AWS 70145	Emily Heikes
17	Hazardous Leachate	Clean Harbors - Deer Park		Clean Harbors	5,000	006055734	Emily Heikes
18	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 4	Ziron Environmental	4,800	AWS 70146	Emily Heikes
19	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 4	Ziron Environmental	4,800	AWS 70147	Emily Heikes
20	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 4	Coal City Cob	5,500	AWS 70148	Emily Heikes
21	Hazardous Leachate	Clean Harbors - Sarnia		Clean Harbors	5,000	006540614	Emily Heikes
22	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 4	Neier	5,500	1683998-15240	Emily Heikes

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
23	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 3	Turn Key	6,000	AWS 70149	Emily Heikes
24	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 3	Schiber	4,300	AWS 70150	Emily Heikes
25	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 3	Neier	6,200	1684003-15240	Emily Heikes
26	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 3	Wetterau Homestead	5,300	AWS 70195	Emily Heikes
27	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 3	K&R	6,150	AWS 70196	Emily Heikes
28	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 3	Neier	5,800	1684000-15240	Emily Heikes
29	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 2	Coal City Cob	5,000	AWS 70197	Emily Heikes
30	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 3	Altom	5,200	AWS 70198	Emily Heikes
31	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 3	K&R	6,000	AWS 70199	Emily Heikes
32	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 3	Wayne Transports	5,300	AWS 70200	Emily Heikes
33	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 3	Coal City Cob	5,000	AWS 70177	Emily Heikes
34	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 3	Coal City Cob	5,000	AWS 70178	Emily Heikes
35	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	Coal City Cob	5,100	AWS 70179	Emily Heikes

35

188,550

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1	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	Coal City Cob	5,000	AWS 70180	Emily Heikes
2	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 2	Neier	5,500	1684008-15240	Emily Heikes
3	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 1	Sully	5,700	AWS 69957	Emily Heikes
4	Hazardous Leachate	Clean Harbors - Sarnia		Clean Harbors	5,000	006540615	Emily Heikes
5	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 2	Veolia	5,000	AWS 70181	Emily Heikes
6	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	Veolia	5,000	AWS 70182	Emily Heikes
7	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 1	Sully	5,600	AWS 69958	Emily Heikes
8	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 2	Neier	5,700	1684009-15240	Emily Heikes
9	Hazardous Leachate	Clean Harbors - Sarnia		Frank's Vacuum Truck Service	5,000	006540617	Emily Heikes

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
10	Non-Hazardous Leachate	Heritage - Covanta Tulsa	Tank Battery 1	Neier	5,800	1684193-16209	Emily Heikes
11	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 2	Ziron Environmental	5,000	AWS 70183	Emily Heikes
12	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 1	Neier	5,500	1684005-15240	Emily Heikes
13	Hazardous Leachate	Clean Harbors - Sarnia		Frank's Vacuum Truck Service	5,000	006540618	Emily Heikes
14	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 2	Neier	6,000	1684010-15240	Emily Heikes
15	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 2	Wayne Transports	5,300	AWS 70184	Emily Heikes
16	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 2	Wetterau Homestead	5,200	AWS 70185	Emily Heikes
17	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	Schiber	6,000	AWS 70186	Emily Heikes
18	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 2	Ziron Environmental	4,800	AWS 70187	Emily Heikes
19	Hazardous Leachate	Clean Harbors - Sarnia		Clean Harbors	4,500	006540619	Emily Heikes
20	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	K&R	6,100	AWS 70188	Emily Heikes
21	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 2	Neier	5,300	1684006-15240	Emily Heikes
22	Hazardous Leachate	Clean Harbors - Sarnia		Clean Harbors	4,500	006540620	Emily Heikes
23	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 2	Neier	6,000	1684007-15240	Emily Heikes
24	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	Coal City Cob	5,100	AWS 70191	Emily Heikes
25	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 2	K&R	5,700	AWS 70189	Emily Heikes
26	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	Coal City Cob	5,500	AWS 70190	Emily Heikes
27	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 2	Neier	5,800	1684011-15240	Emily Heikes
28	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 1	Neier	5,500	1684004-15240	Emily Heikes
29	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	Veolia	5,000	AWS 69786	Emily Heikes
30	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 2	Coal City Cob	5,000	AWS 69787	Emily Heikes
31	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	Altom	4,800	AWS 69788	Emily Heikes
32	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	Altom	4,800	AWS 69789	Emily Heikes

32

169,700

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
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1	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 3	Sully	5,600	AWS 69959	Emily Heikes
2	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 3	Neier	5,200	1684018-15240	Emily Heikes
3	Hazardous Leachate	Clean Harbors - Sarnia		HazMat Environmental	5,000	006540622	Emily Heikes
4	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 3	Sully	6,000	AWS 69960	Emily Heikes
5	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 3	Wayne Transports	5,300	AWS 69790	Emily Heikes
6	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 3	Coal City Cob	5,000	AWS 69791	Emily Heikes
7	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 3	Neier	5,700	1684017-15240	Emily Heikes
8	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 3	Coal City Cob	5,000	AWS 69792	Emily Heikes
9	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 3	Schiber	6,000	AWS 70192	Emily Heikes
10	Non-Hazardous Leachate	Heritage - Covanta Tulsa	Tank Battery 3	Neier	6,000	1684712-16209	Emily Heikes
11	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 3	Ziron Environmental	5,000	AWS 70193	Emily Heikes
12	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 3	Ziron Environmental	5,000	AWS 70194	Emily Heikes
13	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 3	Altom	6,000	AWS 69793	Emily Heikes
14	Hazardous Leachate	Clean Harbors - Sarnia		Frank's Vacuum Truck Service	5,000	006540623	Emily Heikes
15	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 3	Turn Key	5,500	AWS 69794	Emily Heikes
16	Hazardous Leachate	Clean Harbors - Sarnia		Frank's Vacuum Truck Service	5,000	006540624	Emily Heikes
17	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 1	Neier	6,000	1684012-15240	Emily Heikes
18	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 1	Neier	5,800	1684013-15240	Emily Heikes
19	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 1	Veolia	5,000	AWS 69795	Emily Heikes
20	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 1	Wayne Transports	5,600	AWS 69796	Emily Heikes
21	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 1	Schiber	5,800	AWS 69797	Emily Heikes
22	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 1	Neier	5,300	1684015-15240	Emily Heikes
23	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 1	Wayne Transports	5,500	AWS 69798	Emily Heikes
24	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 1	Ziron Environmental	4,800	AWS 69800	Emily Heikes

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
25	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 1	Turn Key	6,000	AWS 69801	Emily Heikes
26	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 1	Coal City Cob	5,100	AWS 69802	Emily Heikes
27	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 1	Neier	5,500	1684016-15240	Emily Heikes
28	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 1	Neier	5,500	1684014-15240	Emily Heikes
29	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 2	Wayne Transports	5,300	AWS 69803	Emily Heikes
30	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 2	K&R	6,100	AWS 69804	Emily Heikes
31	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 2	Coal City Cob	5,500	AWS 69805	Emily Heikes
32	Hazardous Leachate	Clean Harbors - Sarnia		Clean Harbors	4,800	006540625	Emily Heikes
33	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 2	Wayne Transports	5,300	AWS 69806	Emily Heikes
34	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 2	Coal City Cob	5,100	AWS 69807	Emily Heikes
35	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 2	Neier	5,800	1684019-15240	Emily Heikes
36	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 2	K&R	6,000	AWS 69808	Emily Heikes

36

196,100

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1	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 3	Wetterau Homestead	5,300	AWS 69830	Emily Heikes
2	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 3	Sully	5,700	AWS 69961	Emily Heikes
3	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 3	Neier	5,800	1684024-15240	Emily Heikes
4	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 3	Neier	5,400	1684027-15240	Emily Heikes
5	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Stormwater	Sully	6,000	AWS 69962	Emily Heikes
6	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Stormwater	Neier	5,700	1684026-15240	Emily Heikes
7	Hazardous Leachate	Clean Harbors - Sarnia		Frank's Vacuum Truck Service	5,000	006540626	Emily Heikes
8	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Stormwater	Wayne Transports	5,300	AWS 69809	Emily Heikes
9	Non-Hazardous Leachate	Heritage - Covanta Tulsa	Stormwater	Neier	5,800	1684713-16209	Emily Heikes
10	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Stormwater	Schiber	5,300	AWS 69810	Emily Heikes

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
11	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Stormwater	Neier	5,800	1684020-15240	Emily Heikes
12	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Stormwater	Neier	5,500	1684023-15240	Emily Heikes
13	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Stormwater	Wayne Transports	5,300	AWS 69811	Emily Heikes
14	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Stormwater	Schiber	6,000	AWS 69812	Emily Heikes
15	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Stormwater	Neier	5,300	1684022-15240	Emily Heikes
16	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Stormwater	Coal City Cob	5,000	AWS 69813	Emily Heikes
17	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Stormwater	Neier	5,500	1684021-15240	Emily Heikes
18	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	Altom	5,300	AWS 69814	Emily Heikes
19	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 1	Neier	5,500	1684025-15240	Emily Heikes
20	Hazardous Leachate	Clean Harbors - Sarnia		Clean Harbors	4,500	006540627	Emily Heikes
21	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	K&R	6,000	AWS 69815	Emily Heikes
22	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	Coal City Cob	5,000	AWS 69816	Emily Heikes
23	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	Coal City Cob	5,000	AWS 69817	Emily Heikes
24	Hazardous Leachate	Clean Harbors - Sarnia		Clean Harbors	5,000	006540628	Emily Heikes
25	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	Coal City Cob	5,100	AWS 69818	Emily Heikes
26	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	K&R	5,800	AWS 69819	Emily Heikes
27	Non-Hazardous Leachate	Advanced Waste - New Castle	Tank Battery 1	Kuhnle Bros	4,400	001997453	Emily Heikes
28	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	Coal City Cob	5,100	AWS 69820	Emily Heikes
29	Hazardous Leachate	Clean Harbors - Sarnia		Clean Harbors	5,000	006540629	Emily Heikes
30	Hazardous Leachate	Clean Harbors - Sarnia		Clean Harbors	4,500	006540630	Emily Heikes
31	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 1	Coal City Cob	5,000	001997402	Emily Heikes
32	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	Wayne Transports	5,300	AWS 69822	Emily Heikes

32

170,200

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Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
1	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 1	Neier	5,400	1684033-15240	Emily Heikes
2	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 1	Sully	5,700	AWS 69963	Emily Heikes
3	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 1	Sully	6,000	AWS 69964	Emily Heikes
4	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Stormwater	Neier	5,700	1684035-15240	Emily Heikes
5	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Stormwater	Wayne Transports	5,200	AWS 69823	Emily Heikes
6	Hazardous Leachate	Clean Harbors - Sarnia		Frank's Vacuum Truck Service	5,000	006540631	Emily Heikes
7	Non-Hazardous Leachate	Heritage - Covanta Tulsa	Stormwater	Neier	5,800	1684711-16209	Emily Heikes
8	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Stormwater	K&R	6,100	AWS 69824	Emily Heikes
9	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Stormwater	Neier	5,800	1684028-15240	Emily Heikes
10	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Stormwater	Neier	5,500	1684029-15240	Emily Heikes
11	Hazardous Leachate	Clean Harbors - Sarnia		Frank's Vacuum Truck Service	5,000	006540632	Emily Heikes
12	Hazardous Leachate	Clean Harbors - Sarnia		HazMat Environmental	5,000	006540633	Emily Heikes
13	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 2	Wayne Transports	5,300	AWS 69825	Emily Heikes
14	Hazardous Leachate	Clean Harbors - Sarnia		Frank's Vacuum Truck Service	5,000	006540634	Emily Heikes
15	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 2	Wayne Transports	6,000	AWS 69826	Emily Heikes
16	Hazardous Leachate	Clean Harbors - Sarnia		Frank's Vacuum Truck Service	5,000	006540635	Emily Heikes
17	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 2	Coal City Cob	5,500	001997468	Emily Heikes
18	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 2	Wayne Transports	6,000	AWS 69827	Emily Heikes
19	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 2	Neier	5,800	1684030-15240	Emily Heikes
20	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 2	Coal City Cob	5,000	AWS 69829	Emily Heikes
21	Non-Hazardous Leachate	Advanced Waste - New Castle	Tank Battery 2	Kuhnle Bros	5,300	001997454	Emily Heikes
22	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 2	Neier	5,300	1684032-15240	Emily Heikes
23	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 2	Neier	5,500	1684031-15240	Emily Heikes
24	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 2	Schiber	6,000	AWS 69828	Emily Heikes
25	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 2	Wayne Transports	5,500	AWS 69831	Emily Heikes

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
26	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 2	Coal City Cob	5,000	AWS 69832	Emily Heikes
27	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 2	Coal City Cob	5,100	AWS 69833	Emily Heikes
28	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 3	Neier	5,500	1684034-15240	Emily Heikes
29	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 3	Coal City Cob	5,000	AWS 69834	Emily Heikes

29

158,000

Loading Date 4/6/2013

1	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 3	Sully	5,700	AWS 69990	Emily Heikes
2	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 3	Sully	6,000	AWS 69991	Emily Heikes
3	Non-Hazardous Leachate	Heritage - Covanta Tulsa	Tank Battery 3	Triad Transport	5,000	1685942-16209	Emily Heikes
4	Hazardous Leachate	Clean Harbors - Sarnia		Frank's Vacuum Truck Service	5,000	006540636	Emily Heikes
5	Non-Hazardous Leachate	Heritage - Covanta Tulsa	Tank Battery 3	Triad Transport	5,000	1685943-16209	Emily Heikes
6	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 3	Neier	5,800	1685471-15240	Emily Heikes
7	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 3	K&R	6,100	AWS 69835	Emily Heikes
8	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 3	Wayne Transports	5,300	AWS 69837	Emily Heikes
9	Hazardous Leachate	Clean Harbors - Sarnia		Clean Harbors	5,000	006540637	Emily Heikes
10	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 3	Wayne Transports	5,500	AWS 69838	Emily Heikes
11	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 3	K&R	6,100	AWS 69839	Emily Heikes

11

60,500

Loading Date 4/7/2013

1	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 3	Sully	5,700	AWS 69992	Emily Heikes
2	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 3	Sully	6,000	AWS 69993	Emily Heikes
3	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 2	Sully	6,000	AWS 69986	Emily Heikes
4	Non-Hazardous Leachate	Heritage - Covanta Tulsa	Tank Battery 2	Triad Transport	5,000	1685944-16209	Emily Heikes

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
5	Non-Hazardous Leachate	Heritage - Covanta Tulsa	Tank Battery 2	Triad Transport	5,000	1685945-16209	Emily Heikes
6	Hazardous Leachate	Clean Harbors - Sarnia		Clean Harbors	4,800	006540638	Emily Heikes
7	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 2	K&R	6,000	AWS 69840	Emily Heikes

7

38,500

Loading Date 4/8/2013

1	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Sparge 1	Sully	6,000	AWS 69987	Emily Heikes
2	Hazardous Leachate	Clean Harbors - Sarnia		HazMat Environmental	5,000	006540639	Emily Heikes
3	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Sparge 1	Sully	6,000	AWS 69988	Emily Heikes
4	Non-Hazardous Leachate	Advanced Waste - Chemworks	Sparge 1	Coal City Cob	5,100	AWS 69841	Emily Heikes
5	Hazardous Leachate	Clean Harbors - Sarnia		Frank's Vacuum Truck Service	5,000	006540640	Emily Heikes
6	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Sparge 1	Sully	6,000	AWS 69989	Emily Heikes
7	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 1	Neier	5,800	1685470-15240	Emily Heikes
8	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Sparge 1	Ziron Environmental	5,000	001997470	Emily Heikes
9	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 1	Heritage Transport	5,230	1685503-15240	Emily Heikes
10	Hazardous Leachate	Clean Harbors - Sarnia		Frank's Vacuum Truck Service	5,000	006540641	Emily Heikes
11	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 1	Neier	5,000	1685472-15240	Emily Heikes
12	Hazardous Leachate	Clean Harbors - Sarnia		Frank's Vacuum Truck Service	5,000	006540642	Emily Heikes
13	Non-Hazardous Leachate	Advanced Waste - Chemworks	Sparge 1	Coal City Cob	5,000	AWS 69842	Emily Heikes
14	Hazardous Leachate	Clean Harbors - Sarnia		Clean Harbors	5,000	006540643	Emily Heikes
15	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 1	Neier	5,400	1685468-15240	Emily Heikes
16	Hazardous Leachate	Clean Harbors - Sarnia		Frank's Vacuum Truck Service	5,000	006540644	Emily Heikes
17	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Sparge 1	Ziron Environmental	4,800	001997473	Emily Heikes
18	Hazardous Leachate	Clean Harbors - Sarnia		Frank's Vacuum Truck Service	5,000	006540645	Emily Heikes
19	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 1	Neier	5,500	1685469-15240	Emily Heikes

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
20	Hazardous Leachate	Clean Harbors - Sarnia		Frank's Vacuum Truck Service	5,000	006540646	Emily Heikes
21	Non-Hazardous Leachate	Advanced Waste - Chemworks	Sparge 1	Coal City Cob	5,000	AWS 69843	Emily Heikes
22	Non-Hazardous Leachate	Advanced Waste - Chemworks	Sparge 1	Coal City Cob	5,000	AWS 69844	Emily Heikes
23	Hazardous Leachate	Clean Harbors - Sarnia		Clean Harbors	4,800	006540647	Emily Heikes
24	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 4	Wayne Transports	6,000	AWS 69845	Emily Heikes
25	Hazardous Leachate	Clean Harbors - Sarnia		Clean Harbors	5,000	006540648	Emily Heikes
26	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 4	K&R	6,100	AWS 69846	Emily Heikes
27	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 4	Neier	5,300	1685473-15240	Emily Heikes
28	Hazardous Leachate	Clean Harbors - Sarnia		Clean Harbors	4,500	006540649	Brad Vits
29	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 4	Neier	5,200	1685467-15240	Brad Vits
30	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 4	Coal City Cob	5,100	AWS 69847	Emily Heikes
31	Hazardous Leachate	Clean Harbors - Sarnia		Clean Harbors	5,000	006540650	Emily Heikes
32	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 4	K&R	5,900	AWS 69848	Emily Heikes
33	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 4	Schiber	5,800	AWS 69849	Emily Heikes
34	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 4	Coal City Cob	5,500	001997475	Emily Heikes
35	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 4	Altom	5,000	AWS 69850	Emily Heikes
36	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 4	Schiber	5,400	AWS 69851	Emily Heikes
37	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 2	Sully	6,000	AWS 69994	Emily Heikes
38	Non-Hazardous Leachate	Advanced Waste - New Castle	Tank Battery 4	Kuhnle Bros	5,000	001997476	Emily Heikes
38					200,430		

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1	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Sparge 2	Sully	5,700	AWS 69995	Emily Heikes
2	Non-Hazardous Leachate	Advanced Waste - Chemworks	Sparge 2	Coal City Cob	5,200	AWS 69852	Emily Heikes
3	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Sparge 2	Sully	6,000	AWS 69996	Emily Heikes

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
4	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 2	Neier	5,800	1685479-15240	Emily Heikes
5	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 2	Heritage Transport	5,000	1685504-15240	Emily Heikes
6	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Sparge 2	Ziron Environmental	5,000	001997477	Emily Heikes
7	Hazardous Leachate	Clean Harbors - Sarnia		Clean Harbors	5,000	006540651	Emily Heikes
8	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 2	Wayne Transports	5,500	AWS 69853	Emily Heikes
9	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Sparge 2	Ziron Environmental	4,800	001997499	Emily Heikes
10	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 2	Neier	5,000	1685478-15240	Emily Heikes
11	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 2	Neier	5,400	1685475-15240	Emily Heikes
12	Non-Hazardous Leachate	Advanced Waste - Chemworks	Sparge 2	Coal City Cob	5,000	AWS 69854	Emily Heikes
13	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Sparge 2	Coal City Cob	5,000	010902293	Emily Heikes
14	Hazardous Leachate	Clean Harbors - Sarnia		Clean Harbors	4,800	006540652	Emily Heikes
15	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 2	Neier	5,500	1685476-15240	Emily Heikes
16	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 1	Neier	5,200	1685477-15240	Emily Heikes
17	Hazardous Leachate	Clean Harbors - Sarnia		Clean Harbors	4,500	006540783	Emily Heikes
18	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	Coal City Cob	5,100	AWS 69855	Emily Heikes
19	Non-Hazardous Leachate	Advanced Waste - Chemworks	Sparge 2	Coal City Cob	5,000	AWS 69856	Emily Heikes
20	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 1	Neier	5,400	1685474-15240	Emily Heikes
21	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	Wayne Transports	5,300	AWS 69857	Emily Heikes
22	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	K&R	6,000	AWS 69858	Emily Heikes
23	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	K&R	6,000	AWS 69860	Emily Heikes
24	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 1	Sully	6,000	AWS 69997	Emily Heikes
25	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	Altom	5,000	AWS 69861	Emily Heikes
26	Non-Hazardous Leachate	Heritage - Covanta Tulsa	Tank Battery 1	Neier	5,500	1685514-16209	Emily Heikes
27	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	Schiber	5,800	AWS 69862	Emily Heikes
28	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	Altom	5,500	AWS 69863	Emily Heikes

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
29	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 1	Coal City Cob	5,500	010902299	Emily Heikes
30	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 2	Wayne Transports	5,300	AWS 69864	Emily Heikes
31	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 2	K&R	6,100	AWS 69865	Emily Heikes

31

165,900

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1	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 4	Heritage Transport	5,000	1685505-15240	Emily Heikes
2	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Sparge 1	Sully	5,700	AWS 69999	Emily Heikes
3	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 4	Neier	5,500	1685485-15240	Emily Heikes
4	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Sparge 1	Sully	6,000	AWS 69998	Emily Heikes
5	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 4	Ziron Environmental	4,800	010902295	Emily Heikes
6	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Sparge 1	Coal City Cob	5,200	010902296	Emily Heikes
7	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 4	Schiber	5,400	AWS 69867	Emily Heikes
8	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Sparge 1	Ziron Environmental	5,000	010902297	Emily Heikes
9	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 4	RS Used Oil	5,100	AWS 69868	Emily Heikes
10	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 1	Neier	5,500	1685483-15240	Emily Heikes
11	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 1	Neier	5,400	1685481-15240	Emily Heikes
12	Hazardous Leachate	Clean Harbors - Sarnia		HazMat Environmental	5,000	006540781	Emily Heikes
13	Non-Hazardous Leachate	Advanced Waste - Chemworks	Sparge 1	Coal City Cob	5,000	AWS 69869	Emily Heikes
14	Non-Hazardous Leachate	Heritage - Covanta Tulsa	Tank Battery 4	Neier	5,100	1685515-16209	Emily Heikes
15	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 1	Neier	5,500	1685486-15240	Emily Heikes
16	Hazardous Leachate	Clean Harbors - Sarnia		Clean Harbors	5,000	006540784	Emily Heikes
17	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 4	Neier	5,200	1685482-15240	Emily Heikes
18	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 1	Wayne Transports	6,000	AWS 69870	Emily Heikes
19	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 1	Neier	5,400	1685487-15240	Emily Heikes

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
20	Hazardous Leachate	Clean Harbors - Sarnia		Frank's Vacuum Truck Service	5,000	006540785	Emily Heikes
21	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 1	Wayne Transports	6,000	AWS 69871	Emily Heikes
22	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 4	Wayne Transports	6,000	AWS 69872	Emily Heikes
23	Hazardous Leachate	Clean Harbors - Sarnia		Frank's Vacuum Truck Service	5,000	006540786	Emily Heikes
24	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 1	Wayne Transports	5,500	AWS 69873	Emily Heikes
25	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 1	Neier	5,000	1685484-15240	Emily Heikes
26	Hazardous Leachate	Clean Harbors - Sarnia		Frank's Vacuum Truck Service	5,000	006540787	Emily Heikes
27	Hazardous Leachate	Clean Harbors - Sarnia		Frank's Vacuum Truck Service	5,000	006540788	Emily Heikes
28	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 4	Coal City Cob	5,500	010902298	Emily Heikes
29	Non-Hazardous Leachate	Advanced Waste - New Castle	Sparge 1	Kuhnle Bros	5,300	001997469	Emily Heikes
30	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 4	K&R	6,100	AWS 69874	Emily Heikes
31	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 4	Coal City Cob	5,100	010902294	Emily Heikes
32	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 4	Schiber	5,400	AWS 69875	Emily Heikes
33	Non-Hazardous Leachate	Advanced Waste - Chemworks	Tank Battery 2	Coal City Cob	5,000	AWS 69836	Emily Heikes
34	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 2	Heritage Transport	5,000	1685506-15240	Emily Heikes

34

180,700

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1	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Sparge 2	Sully	5,700	AWS 70000	Emily Heikes
2	Non-Hazardous Leachate	Heritage - Covanta Tulsa	Tank Battery 2	Neier	5,200	1685516-16209	Emily Heikes
3	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Sparge 2	Sully	6,000	AWS 70001	Emily Heikes
4	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 2	Neier	5,500	1685488-15240	Emily Heikes
5	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 2	Coal City Cob	5,200	AWS 69866	Emily Heikes
6	Non-Hazardous Leachate	Advanced Waste - Chemworks	Tank Battery 2	Coal City Cob	5,400	AWS 69876	Emily Heikes
7	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Sparge 2	Coal City Cob	5,000	010902303	Emily Heikes

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
8	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 2	Ziron Environmental	5,000	010902310	Emily Heikes
9	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Sparge 2	Sully	5,300	AWS 70002	Emily Heikes
10	Hazardous Leachate	Clean Harbors - Sarnia		Clean Harbors	5,000	006540789	Emily Heikes
11	Non-Hazardous Leachate	Heritage - Covanta Tulsa	Tank Battery 2	Neier	5,400	1685993-16209	Emily Heikes
12	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Sparge 2	Ziron Environmental	4,800	010902309	Emily Heikes
13	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 3	Ziron Environmental	5,000	010902307	Emily Heikes
14	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 2	Neier	5,200	1685489-15240	Emily Heikes
15	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 2	K&R	6,000	AWS 69877	Emily Heikes
16	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 2	Neier	5,500	1685492-15240	Emily Heikes
17	Hazardous Leachate	Clean Harbors - Sarnia		Clean Harbors	5,000	006540790	Emily Heikes
18	Hazardous Leachate	Clean Harbors - Sarnia		Clean Harbors	4,800	006540791	Emily Heikes
19	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 2	Wayne Transports	5,300	AWS 69878	Emily Heikes
20	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 2	Wayne Transports	6,000	AWS 69879	Emily Heikes
21	Hazardous Leachate	Clean Harbors - Sarnia		Frank's Vacuum Truck Service	5,000	006540793	Emily Heikes
22	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 2	Altom	5,000	AWS 69880	Emily Heikes
23	Hazardous Leachate	Clean Harbors - Sarnia		Frank's Vacuum Truck Service	5,000	006540794	Emily Heikes
24	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 1	Neier	5,000	1685491-15240	Emily Heikes
25	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 2	Neier	5,000	1685480-15240	Emily Heikes
26	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 1	Neier	5,000	1685490-15240	Emily Heikes
27	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 1	Schiber	5,400	AWS 69881	Emily Heikes
28	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 1	K&R	6,000	AWS 69885	Emily Heikes
29	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 1	Schiber	5,800	AWS 69884	Emily Heikes
30	Hazardous Leachate	Clean Harbors - Sarnia		Clean Harbors	4,800	006540792	Emily Heikes
31	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 1	Schiber	5,400	AWS 69883	Emily Heikes
32	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 1	Wayne Transports	5,500	AWS 69882	Emily Heikes

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
33	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 1	Altom	5,200	AWS 69887	Emily Heikes
34	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 1	Neier	5,400	1685494-15240	Emily Heikes
35	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 1	Coal City Cob	5,000	AWS 69888	Emily Heikes
36	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 1	Wayne Transports	6,000	AWS 69889	Emily Heikes
37	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 1	Wayne Transports	5,300	AWS 69890	Emily Heikes
38	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 1	Heritage Transport	5,000	1685507-15240	Emily Heikes
39	Hazardous Leachate	Clean Harbors - Sarnia		Clean Harbors	4,500	006540795	Emily Heikes

39

205,600

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1	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 3	Sully	5,700	AWS 70003	Brad Vits
2	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 3	Coal City Cob	4,500	010902308 JJK	Brad Vits
3	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 3	Coal City Cob	5,000	010902405 JJK	Brad Vits
4	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 3	Neier	5,000	1685495-15240	Brad Vits
5	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 3	Sully	6,000	AWS 70004	Brad Vits
6	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 3	Sully	5,300	AWS 70005	Brad Vits
7	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 3	Coal City Cob	5,200	010902406 JJK	Brad Vits
8	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 3	Ziron Environmental	5,400	010902407 JJK	Brad Vits
9	Non-Hazardous Leachate	Heritage - Covanta Tulsa	Tank Battery 3	Neier	5,500	1685513-16209	Brad Vits
10	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 3	Neier	5,200	1685496-15240	Brad Vits
11	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 3	Neier	5,400	1685500-15240	Brad Vits
12	Hazardous Leachate	Clean Harbors - Sarnia	Tank Farm - South	Frank's Vacuum Truck Service	5,000	006540800 FLE	Brad Vits
13	Hazardous Leachate	Clean Harbors - Sarnia	Tank Farm - South	Clean Harbors	5,000	006540796 FLE	Brad Vits
14	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 1	Ziron Environmental	5,000	010902408 JJK	Brad Vits

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
15	Non-Hazardous Leachate	Advanced Waste - New Castle	Tank Battery 1	Kuhnle Bros	5,000	AWS 77320	Brad Vits
16	Hazardous Leachate	Clean Harbors - Sarnia	Tank Farm - South	HazMat Environmental	5,000	006540801 FLE	Brad Vits
17	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	Coal City Cob	5,000	AWS 69891	Brad Vits
18	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 2	Wayne Transports	6,000	AWS 69892	Brad Vits
19	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 1	Neier	5,000	1685499-15240	Brad Vits
20	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 1	Neier	5,000	1685497-15240	Brad Vits
21	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 1	Neier	5,400	1685501-15240	Brad Vits
22	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 1	Coal City Cob	5,500	010902409 JJK	Brad Vits
23	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 1	Neier	5,500	1685498-15240	Brad Vits
24	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	K&R	6,000	AWS 69894	Brad Vits
25	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	Coal City Cob	5,300	AWS 69895	Brad Vits
26	Hazardous Leachate	Clean Harbors - Sarnia	Tank Farm - South	Frank's Vacuum Truck Service	5,000	001997482 GBF	Brad Vits
27	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	Coal City Cob	5,000	AWS 69896	Brad Vits
28	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	K&R	6,000	AWS 69897	Brad Vits
29	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	Wayne Transports	5,300	AWS 69898	Brad Vits
30	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Sparge 2	Sully	5,300	AWS 70006	Brad Vits
30					158,500		

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1	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 1	Sully	5,700	AWS 77205	Brad Vits
2	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 1	Sully	6,000	AWS 77206	Brad Vits
3	Non-Hazardous Leachate	Heritage - Covanta Tulsa	Tank Battery 1	Triad Transport	5,000	1687380-16209	Brad Vits
4	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 1	Coal City Cob	5,500	010902410 JJK	Brad Vits
5	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 1	Neier	5,500	1687340-15240	Brad Vits

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
6	Hazardous Leachate	Clean Harbors - Sarnia	Tank Farm - South	Frank's Vacuum Truck Service	5,000	001997406 GBF	Brad Vits
7	Hazardous Leachate	Clean Harbors - Sarnia	Tank Farm - South	Frank's Vacuum Truck Service	5,000	001997407 GBF	Brad Vits
8	Hazardous Leachate	Clean Harbors - Deer Park	Tank Farm - South	Frank's Vacuum Truck Service	5,000	006055735 FLE	Brad Vits

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42,700

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1	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 1	Sully	6,000	AWS 77204	Brad Vits
2	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 1	Sully	5,700	AWS 77203	Brad Vits
3	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	K&R	6,025	AWS 76973	Brad Vits
4	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 1	Sully	5,900	AWS 77202	Brad Vits
5	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 1	Sully	5,300	AWS 77201	Brad Vits
6	Non-Hazardous Leachate	Heritage - Covanta Tulsa	Tank Battery 1	Triad Transport	4,900	001997410 GBF	Brad Vits
7	Hazardous Leachate	Clean Harbors - Deer Park	Tank Farm - South	Clean Harbors	5,000	006056020 FLE	Brad Vits
8	Hazardous Leachate	Clean Harbors - Deer Park	Tank Farm - South	Clean Harbors	5,000	006055738 FLE	Brad Vits
9	Hazardous Leachate	Clean Harbors - Sarnia	Tank Farm - South	Frank's Vacuum Truck Service	5,000	006540915 FLE	Brad Vits
10	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 1	Neier	5,400	1687341-15240	Brad Vits

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54,225

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1	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 2	Wetterau Homestead	5,300	AWS 76974	Brad Vits
2	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 1	Heritage Transport	5,000	1687333-15240	Brad Vits
3	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Sparge 2	Sully	6,000	AWS 77200	Brad Vits

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
4	Hazardous Leachate	Clean Harbors - Sarnia	Tank Farm - South	Clean Harbors	5,000	006540798	Brad Vits
5	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Sparge 2	Ziron Environmental	5,000	010902411 JJK	Brad Vits
6	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 2	Neier	5,100	1687342-15240	Brad Vits
7	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Sparge 2	Coal City Cob	5,500	010902412 JJK	Brad Vits
8	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 2	Neier	5,400	1687343-15240	Brad Vits
9	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Sparge 2	Ziron Environmental	5,100	010902413 JJK	Brad Vits
10	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 2	K&R	5,950	AWS 76975	Brad Vits
11	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Sparge 2	Sully	5,300	AWS 77199	Brad Vits
12	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 2	Neier	5,200	1687344-15240	Brad Vits
13	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 2	Altom	5,000	AWS 76977	Brad Vits
14	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Sparge 2	Turn Key	5,500	010902414 JJK	Brad Vits
15	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 2	Schiber	5,200	AWS 76978	Brad Vits
16	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 2	K&R	6,000	AWS 76979	Brad Vits
17	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Sparge 1	Sully	5,800	AWS 77198	Brad Vits
18	Non-Hazardous Leachate	Advanced Waste - Portage	Sparge 1	Coal City Cob	5,000	001997412 GBF	Brad Vits
19	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 1	Coal City Cob	5,300	AWS 76980	Brad Vits
20	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Sparge 1	Coal City Cob	5,200	010902415 JJK	Brad Vits
21	Hazardous Leachate	Clean Harbors - Sarnia	Tank Farm - South	Clean Harbors	5,000	006540916 FLE	Brad Vits
22	Non-Hazardous Leachate	Advanced Waste - Portage	Sparge 1	Coal City Cob	5,000	001997411 GBF	Brad Vits
23	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Sparge 1	Coal City Cob	5,000	010902416 JJK	Brad Vits

23

121,850

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1	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 1	Wetterau Homestead	5,300	AWS 76981	Emily Heikes
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Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
2	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Sparge 1	Sully	6,000	AWS 77197	Emily Heikes
3	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 1	Heritage Transport	5,000	1687334-15240	Emily Heikes
4	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Sparge 1	Ziron Environmental	5,000	010902417	Emily Heikes
5	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 2	Neier	5,500	1687346-15240	Emily Heikes
6	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 2	Sully	5,700	AWS 77196	Emily Heikes
7	Hazardous Leachate	Clean Harbors - Sarnia		Freehold Cartage	4,900	006540922	Emily Heikes
8	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 2	Neier	5,500	1687347-15240	Emily Heikes
9	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 2	Ziron Environmental	5,100	010902418	Emily Heikes
10	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 2	Neier	5,400	1687349-15240	Emily Heikes
11	Hazardous Leachate	Clean Harbors - Sarnia		Clean Harbors	4,800	006540799	Emily Heikes
12	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 2	Coal City Cob	5,100	010902419	Emily Heikes
13	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 2	Neier	5,200	1687348-15240	Emily Heikes
14	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 2	Neier	5,400	1687350-15240	Emily Heikes
15	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 2	Altom	5,000	AWS 76982	Emily Heikes
16	Hazardous Leachate	Clean Harbors - Sarnia		Frank's Vacuum Truck Service	5,000	006540920	Emily Heikes
17	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 2	Schiber	5,000	AWS 76983	Emily Heikes
18	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 2	Neier	5,000	1687351-15240	Emily Heikes
19	Hazardous Leachate	Clean Harbors - Sarnia		Clean Harbors	4,500	006540917	Emily Heikes
20	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 3	Turn Key	6,000	010902420	Emily Heikes
21	Non-Hazardous Leachate	Advanced Waste - Covanta Indianapolis	Tank Battery 3	Coal City Cob	5,500	AWS 70576	Emily Heikes
22	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 3	Schiber	5,200	AWS 76985	Emily Heikes
23	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 3	K&R	6,100	AWS 76986	Emily Heikes
24	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 3	Altom	5,000	AWS 76987	Emily Heikes
25	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 3	Sully	5,900	AWS 77195	Emily Heikes
26	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 3	Coal City Cob	5,000	010902421	Emily Heikes

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
27	Hazardous Leachate	Clean Harbors - Sarnia		Frank's Vacuum Truck Service	5,000	006540921	Emily Heikes
28	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 3	Coal City Cob	5,000	010902422	Emily Heikes
29	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 3	Coal City Cob	5,000	AWS 76988	Emily Heikes
30	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 3	K&R	6,100	AWS 76989	Emily Heikes
31	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 3	Coal City Cob	5,200	010902423	Emily Heikes
32	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 3	Heritage Transport	5,000	1688517-15240	Emily Heikes
32					168,400		

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1	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 3	Sully	5,700	AWS 77194	Emily Heikes
2	Hazardous Leachate	Clean Harbors - Sarnia		HazMat Environmental	5,000	001997408	Emily Heikes
3	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 3	Wetterau Homestead	5,200	AWS 76990	Emily Heikes
4	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 1	Sully	5,700	AWS 77189	Emily Heikes
5	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 1	Heritage Transport	5,000	1687335-15240	Emily Heikes
6	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 1	Sully	6,000	AWS 77192	Emily Heikes
7	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 1	Ziron Environmental	5,000	010902424	Emily Heikes
8	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 1	Neier	5,500	1687352-15240	Emily Heikes
9	Non-Hazardous Leachate	Advanced Waste - Covanta Indianapolis	Tank Battery 1	Schiber	5,800	AWS 70566	Emily Heikes
10	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	Altom	5,000	AWS 76991	Emily Heikes
11	Non-Hazardous Leachate	Advanced Waste - Covanta Indianapolis	Tank Battery 1	Schiber	5,000	AWS 70567	Emily Heikes
12	Hazardous Leachate	Clean Harbors - Sarnia		Frank's Vacuum Truck Service	5,000	006540924	Emily Heikes
13	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 1	Neier	5,500	1687353-15240	Emily Heikes
14	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 1	Ziron Environmental	5,000	010902425	Emily Heikes
15	Non-Hazardous Leachate	Heritage - Covanta Tulsa	Tank Battery 1	Neier	5,500	1687381-16209	Emily Heikes
16	Hazardous Leachate	Clean Harbors - Sarnia		Frank's Vacuum Truck Service	5,000	006540919	Emily Heikes

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
17	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 1	Neier	5,400	1687354-15240	Emily Heikes
18	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 1	Neier	5,200	1687355-15240	Emily Heikes
19	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 4	Neier	5,400	1687356-15240	Emily Heikes
20	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 4	Turn Key	5,600	010902426	Emily Heikes
21	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 4	Neier	5,100	1687357-15240	Emily Heikes
22	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 4	Altom	5,200	AWS 76992	Emily Heikes
23	Non-Hazardous Leachate	Advanced Waste - Covanta Indianapolis	Tank Battery 4	Coal City Cob	5,500	AWS 70568	Emily Heikes
24	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 4	K&R	6,000	AWS 76993	Emily Heikes
25	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 4	Coal City Cob	5,200	AWS 76994	Emily Heikes
26	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 4	K&R	6,000	AWS 76995	Emily Heikes
27	Hazardous Leachate	Clean Harbors - Sarnia		Clean Harbors	5,000	006540918	Emily Heikes
28	Hazardous Leachate	Clean Harbors - Sarnia		Clean Harbors	5,000	006540926	Emily Heikes
29	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 4	Coal City Cob	5,100	010902427	Emily Heikes
30	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 4	Coal City Cob	5,300	AWS 76996	Emily Heikes
31	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 4	Heritage Transport	5,000	1687336-15240	Emily Heikes
32	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 4	Coal City Cob	5,400	010902428	Emily Heikes

32

170,300

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1	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 2	Sully	5,700	AWS 77191	Emily Heikes
2	Hazardous Leachate	Clean Harbors - Sarnia		Clean Harbors	5,000	006540930	Emily Heikes
3	Non-Hazardous Leachate	Advanced Waste - Covanta Indianapolis	Tank Battery 2	Schiber	5,000	AWS 70569	Emily Heikes
4	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 2	K&R	6,100	AWS 76998	Emily Heikes
5	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 3	Sully	6,000	AWS 77190	Emily Heikes
6	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 3	Neier	5,500	1687358-15240	Emily Heikes

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
7	Non-Hazardous Leachate	Advanced Waste - New Castle	Tank Battery 3	Kuhnle Bros	5,000	AWS 77311	Emily Heikes
8	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 3	Coal City Cob	5,200	010902429	Emily Heikes
9	Non-Hazardous Leachate	Advanced Waste - Covanta Indianapolis	Tank Battery 3	Schiber	5,200	AWS 70570	Emily Heikes
10	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 3	Neier	5,500	1687359-15240	Emily Heikes
11	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 3	Neier	5,400	1687360-15240	Emily Heikes
12	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 3	Coal City Cob	5,000	010902430	Emily Heikes
13	Hazardous Leachate	Clean Harbors - Sarnia		Clean Harbors	5,000	006540931	Emily Heikes
14	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 3	Neier	5,200	1687361-15240	Emily Heikes
15	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 3	Neier	5,400	1687362-15240	Emily Heikes
16	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 3	Turn Key	5,500	010902431	Emily Heikes
17	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 3	Neier	5,000	1687363-15240	Emily Heikes
18	Non-Hazardous Leachate	Advanced Waste - Covanta Indianapolis	Tank Battery 3	Coal City Cob	5,500	AWS 70663	Emily Heikes
19	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	Schiber	5,800	AWS 76999	Emily Heikes
20	Hazardous Leachate	Clean Harbors - Sarnia		Freehold Cartage	4,900	006540929	Emily Heikes
21	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	K&R	6,000	AWS 77000	Emily Heikes
22	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 1	Heritage Transport	5,000	1687337-15240	Emily Heikes
23	Non-Hazardous Leachate	Heritage - Covanta Tulsa	Tank Battery 1	Neier	5,500	1687382-16209	Emily Heikes
24	Non-Hazardous Leachate	Advanced Waste - Covanta Indianapolis	Tank Battery 1	Coal City Cob	5,300	AWS 70572	Emily Heikes
25	Hazardous Leachate	Clean Harbors - Sarnia		Frank's Vacuum Truck Service	5,000	006540927	Emily Heikes
26	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 1	Sully	6,000	AWS 77171	Emily Heikes
27	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 1	Coal City Cob	5,100	010902432	Emily Heikes
28	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	Coal City Cob	5,400	AWS 77001	Emily Heikes
29	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 1	Coal City Cob	5,450	010902433	Emily Heikes
29					155,650		

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
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1	Non-Hazardous Leachate	Advanced Waste - Covanta Indianapolis	Tank Battery 1	Schiber	5,000	AWS 70573	Emily Heikes
2	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 1	Neier	5,500	1687364-15240	Emily Heikes
3	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 1	Sully	6,000	AWS 77172	Emily Heikes
4	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 2	Sully	6,000	AWS 77173	Emily Heikes
5	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 2	Neier	5,500	1687365-15240	Emily Heikes
6	Non-Hazardous Leachate	Advanced Waste - Covanta Indianapolis	Tank Battery 2	Schiber	5,300	AWS 70574	Emily Heikes
7	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 2	K&R	6,100	AWS 76902	Emily Heikes
8	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 2	Coal City Cob	5,000	010902434	Emily Heikes
9	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 2	Neier	5,400	1687366-15240	Emily Heikes
10	Hazardous Leachate	Clean Harbors - Deer Park		Pulido Trucking LP	4,900	006056021	Emily Heikes
11	Non-Hazardous Leachate	Heritage - Covanta Tulsa	Tank Battery 2	Neier	5,000	1687384-16209	Emily Heikes
12	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 2	Wayne Transports	6,000	AWS 76984	Emily Heikes
13	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 2	Neier	5,400	1687367-15240	Emily Heikes
14	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 2	Turn Key	5,600	010902435	Emily Heikes
15	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 2	Wayne Transports	6,000	AWS 76997	Emily Heikes
16	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 2	Neier	5,000	1687368-15240	Emily Heikes
17	Non-Hazardous Leachate	Advanced Waste - Covanta Indianapolis	Tank Battery 2	Coal City Cob	5,500	AWS 70575	Emily Heikes
18	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 2	Coal City Cob	5,100	010902436	Emily Heikes
19	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 3	Coal City Cob	5,200	AWS 69899	Emily Heikes
20	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 3	Coal City Cob	5,300	010902437	Emily Heikes
21	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 3	Sully	6,000	AWS 77174	Emily Heikes
22	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 3	K&R	6,100	AWS 69900	Emily Heikes
23	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 3	Coal City Cob	5,400	010902438	Emily Heikes
24	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 3	Coal City Cob	5,450	010902439	Emily Heikes

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
25	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 3	Neier	5,500	1687369-15240	Emily Heikes

25

137,250

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1	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 3	Coal City Cob	5,500	010902440	Emily Heikes
2	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 3	Sully	6,000	AWS 77175	Emily Heikes
3	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 3	Sully	6,000	AWS 77176	Emily Heikes
4	Non-Hazardous Leachate	Heritage - Covanta Tulsa	Tank Battery 3	Triad Transport	5,000	1688911-16209	Emily Heikes
5	Non-Hazardous Leachate	Advanced Waste - New Castle	Tank Battery 3	Kuhnle Bros	5,080	AWS 77324	Emily Heikes
6	Non-Hazardous Leachate	Advanced Waste - New Castle	Tank Battery 3	Kuhnle Bros	5,150	AWS 77312	Emily Heikes
7	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 3	Neier	5,100	1688822-15240	Emily Heikes
8	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 4	Turn Key	5,800	010902442	Emily Heikes
9	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 4	Sully	6,000	AWS 77177	Emily Heikes
10	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 4	Coal City Cob	5,600	010902443	Emily Heikes
11	Non-Hazardous Leachate	Advanced Waste - Chemworks	Tank Battery 4	K&R	6,100	AWS 69901	Brad Vits
12	Hazardous Leachate	Clean Harbors - Deer Park	Tank Farm - South	Clean Harbors	5,000	006056019 FLE	Brad Vits
13	Non-Hazardous Leachate	Advanced Waste - New Castle	Tank Battery 4	Kuhnle Bros	5,500	AWS 77313	Emily Heikes
14	Non-Hazardous Leachate	Advanced Waste - New Castle	Tank Battery 4	Kuhnle Bros	4,400	AWS 77314	Emily Heikes
15	Non-Hazardous Leachate	Advanced Waste - New Castle	Tank Battery 4	Kuhnle Bros	4,500	AWS 77315	Emily Heikes
16	Non-Hazardous Leachate	Advanced Waste - New Castle	Tank Battery 4	Kuhnle Bros	5,000	AWS 77316	Emily Heikes
17	Non-Hazardous Leachate	Advanced Waste - New Castle	Tank Battery 4	Kuhnle Bros	5,000	AWS 77317	Emily Heikes
18	Non-Hazardous Leachate	Advanced Waste - New Castle	Tank Battery 4	Kuhnle Bros	4,500	AWS 77318	Emily Heikes
19	Non-Hazardous Leachate	Advanced Waste - New Castle	Tank Battery 4	Kuhnle Bros	5,300	AWS 77319	Emily Heikes
20	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 4	Sully	6,000	AWS 77178	Emily Heikes
21	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 4	Sully	6,000	AWS 77179	Emily Heikes

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
21					112,530		

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1	Non-Hazardous Leachate	Heritage - Covanta Tulsa	Tank Battery 1	Triad Transport	5,200	1688913-16209	Emily Heikes
2	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	K&R	6,000	AWS 69902	Emily Heikes
3	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	Wayne Transports	6,000	AWS 76966	Emily Heikes
4	Hazardous Leachate	Clean Harbors - Kimball		Clean Harbors	5,000	006055800	Emily Heikes
5	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 1	Sully	6,000	AWS 77180	Emily Heikes
6	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	K&R	6,100	AWS 76967	Emily Heikes
7	Non-Hazardous Leachate	Advanced Waste - New Castle	Tank Battery 1	Kuhnle Bros	5,000	AWS 77321	Emily Heikes
8	Non-Hazardous Leachate	Advanced Waste - New Castle	Tank Battery 1	Kuhnle Bros	5,000	AWS 77322	Emily Heikes
9	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 1	Sully	6,000	AWS 77181	Emily Heikes
10	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 1	Sully	6,000	AWS 77182	Emily Heikes

10

56,300

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1	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	Wetterau Homestead	5,300	AWS 76968	Emily Heikes
2	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 1	Coal City Cob	5,600	010902444	Emily Heikes
3	Hazardous Leachate	Clean Harbors - Sarnia		Clean Harbors	4,800	006583135	Emily Heikes
4	Non-Hazardous Leachate	Advanced Waste - Portage	Tank Battery 1	Coal City Cob	5,500	001997414	Emily Heikes
5	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 1	Coal City Cob	5,400	010902445	Emily Heikes
6	Hazardous Leachate	Clean Harbors - Kimball	Tank Farm - South	Clean Harbors	5,000	006055801	Emily Heikes
7	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 2	Neier	5,100	1688823-15240	Emily Heikes
8	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 2	Heritage Transport	4,500	1688787-15240	Emily Heikes
9	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 2	Neier	5,700	1688824-15240	Emily Heikes

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
10	Hazardous Leachate	Clean Harbors - Sarnia	Tank Farm - South	Freehold Cartage	4,900	006583164	Emily Heikes
11	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 2	Wayne Transports	5,300	AWS 76969	Emily Heikes
12	Hazardous Leachate	Clean Harbors - Sarnia	Tank Farm - South	Clean Harbors	5,000	006583137	Emily Heikes
13	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 2	Coal City Cob	5,400	010902446	Emily Heikes
14	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 2	Wayne Transports	5,500	AWS 76970	Emily Heikes
15	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 2	Wayne Transports	5,500	AWS 76971	Emily Heikes
16	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 2	Neier	5,400	1688825-15240	Emily Heikes
17	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 2	Neier	5,500	1688830-15240	Emily Heikes
18	Non-Hazardous Leachate	Advanced Waste - Kankakee Metro	Tank Battery 2	Turn Key	5,600	011448422	Emily Heikes
19	Non-Hazardous Leachate	Advanced Waste - Kankakee Metro	Tank Battery 2	Turn Key	6,000	011448423	Emily Heikes
20	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 2	K&R	6,100	AWS 76972	Emily Heikes
21	Non-Hazardous Leachate	Advanced Waste - New Castle	Tank Battery 2	Kuhnle Bros	5,000	AWS 77323	Emily Heikes
22	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 2	Sully	6,000	AWS 77183	Emily Heikes
23	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 2	Coal City Cob	5,400	010902447	Emily Heikes
24	Non-Hazardous Leachate	Advanced Waste - Chemworks	Tank Battery 2	Coal City Cob	5,400	AWS 76959	Emily Heikes
25	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 3	K&R	6,075	AWS 76960	Emily Heikes
26	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 3	Sully	6,000	AWS 77184	Emily Heikes
27	Non-Hazardous Leachate	Advanced Waste - New Castle	Tank Battery 3	Kuhnle Bros	5,000	AWS 77325	Emily Heikes
28	Non-Hazardous Leachate	Heritage - Covanta Tulsa	Tank Battery 3	Triad Transport	5,200	1688915-16209	Emily Heikes

28

151,175

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1	Non-Hazardous Leachate	Advanced Waste - Chemworks	Tank Battery 3	Coal City Cob	5,400	AWS 76961	Emily Heikes
2	Hazardous Leachate	Clean Harbors - Sarnia		HazMat Environmental	5,000	006540932	Emily Heikes

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
3	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 3	Coal City Cob	5,400	010902448	Emily Heikes
4	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 3	Sully	6,000	AWS 77185	Emily Heikes
5	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 3	Heritage Transport	4,500	1688788-15240	Emily Heikes
6	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 3	Neier	5,100	1688831-15240	Emily Heikes
7	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 3	Neier	6,000	1688832-15240	Emily Heikes
8	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 3	Neier	5,500	1688833-15240	Emily Heikes
9	Non-Hazardous Leachate	Advanced Waste - Kankakee Metro	Tank Battery 4	Turn Key	5,500	011448424	Emily Heikes
10	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 4	Wayne Transports	5,300	010902450	Emily Heikes
11	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 4	Coal City Cob	5,400	010902449	Emily Heikes
12	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 4	Coal City Cob	5,500	010902451	Emily Heikes
13	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 4	Wayne Transports	6,000	AWS 76963	Emily Heikes
14	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 4	Wayne Transports	6,000	AWS 76964	Emily Heikes
15	Non-Hazardous Leachate	Advanced Waste - Kankakee Metro	Tank Battery 4	Turn Key	5,500	011448425	Emily Heikes
16	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 4	Neier	5,400	1688834-15240	Emily Heikes
17	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 4	K&R	6,000	AWS 76965	Emily Heikes
18	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 4	Wayne Transports	6,000	AWS 76903	Emily Heikes
19	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 4	Wetterau Homestead	5,300	AWS 76904	Emily Heikes
20	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 4	Wayne Transports	5,500	AWS 76905	Emily Heikes
21	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 4	Wayne Transports	5,500	010902453	Emily Heikes
22	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 1	Neier	5,000	1688835-15240	Emily Heikes
23	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 2	Neier	5,000	1688836-15240	Emily Heikes
24	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 1	Coal City Cob	5,400	010902454	Emily Heikes
25	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Sparge 2	Sully	5,900	AWS 77186	Emily Heikes
26	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 1	Neier	5,500	1688837-15240	Emily Heikes
27	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 2	Mid America Waste Solutions	5,000	1688949-15240	Emily Heikes

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
28	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 1	Neier	5,200	1688827-15240	Emily Heikes
29	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 2	K&R	6,100	AWS 76906	Emily Heikes
30	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Sparge 2	Sully	6,000	AWS 70007	Emily Heikes
31	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 2	K&R	6,000	AWS 76907	Emily Heikes

31

170,900

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1	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 1	Coal City Cob	5,400	010902455	Emily Heikes
2	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 1	Neier	5,400	1688828-15240	Emily Heikes
3	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 1	Sully	6,000	AWS 77187	Emily Heikes
4	Non-Hazardous Leachate	Advanced Waste - New Castle	Tank Battery 1	Kuhnle Bros	5,195	AWS 77326	Emily Heikes
5	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 1	Neier	6,000	1688840-15240	Emily Heikes
6	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 1	Heritage Transport	4,500	1688789-15240	Emily Heikes
7	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 1	Coal City Cob	5,400	010902456	Emily Heikes
8	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 1	Neier	5,500	1688841-15240	Emily Heikes
9	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 1	Coal City Cob	5,500	010902457	Emily Heikes
10	Hazardous Leachate	Clean Harbors - Sarnia		Freehold Cartage	4,900	006583142	Emily Heikes
11	Non-Hazardous Leachate	Advanced Waste - Kankakee Metro	Tank Battery 1	Turn Key	5,500	011448426	Emily Heikes
12	Non-Hazardous Leachate	Advanced Waste - Kankakee Metro	Sparge 2	Turn Key	5,600	011448427	Emily Heikes
13	Hazardous Leachate	Clean Harbors - Sarnia		Frank's Vacuum Truck Service	5,000	006583138	Emily Heikes
14	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 2	Neier	5,400	1688842-15240	Emily Heikes
15	Hazardous Leachate	Clean Harbors - Kimball		Clean Harbors	5,000	006055803	Emily Heikes
16	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 2	Wetterau Homestead	5,300	AWS 76908	Emily Heikes
17	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 2	Neier	4,560	1688843-15240	Emily Heikes
18	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 2	Neier	5,000	1688844-15240	Emily Heikes

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
19	Hazardous Leachate	Clean Harbors - Sarnia		Clean Harbors	5,000	006583140	Emily Heikes
20	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 2	Neier	5,500	1688845-15240	Emily Heikes
21	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Sparge 2	Coal City Cob	5,400	010902458	Emily Heikes
22	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 2	Neier	5,200	1688846-15240	Emily Heikes
23	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 2	Mid America Waste Solutions	4,800	1688950-15240	Emily Heikes
24	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 2	Wayne Transports	5,300	AWS 76909	Emily Heikes
25	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 2	Sully	6,000	AWS 77188	Emily Heikes
26	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 2	Sully	6,000	AWS 70008	Emily Heikes
27	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 2	Wayne Transports	5,500	AWS 76911	Emily Heikes
28	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 2	Coal City Cob	5,600	010902459	Emily Heikes
					149,455		

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1	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 2	Coal City Cob	5,400	AWS 76912	Emily Heikes
2	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 2	Wetterau Homestead	5,300	AWS 76913	Emily Heikes
3	Non-Hazardous Leachate	Advanced Waste - Kankakee Metro	Tank Battery 2	Turn Key	5,400	011448428	Emily Heikes
4	Hazardous Leachate	Clean Harbors - Sarnia		Clean Harbors	4,800	006583141	Emily Heikes
5	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 2	Neier	5,500	1688826-15240	Emily Heikes
6	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 2	Sully	6,000	AWS 77193	Emily Heikes
7	Non-Hazardous Leachate	Advanced Waste - Covanta Indianapolis	Tank Battery 3	Schiber	5,700	AWS 77504	Emily Heikes
8	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 3	Coal City Cob	5,600	010902460	Emily Heikes
9	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 3	Wayne Transports	6,000	AWS 76914	Emily Heikes
10	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 3	Neier	6,000	1688851-15240	Emily Heikes
11	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 3	K&R	6,100	AWS 76915	Brad Vits
12	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 3	Heritage Transport	4,500	1688790-15240	Emily Heikes

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
13	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 3	Neier	4,500	1688852-15240	Emily Heikes
14	Non-Hazardous Leachate	Advanced Waste - Kankakee Metro	Tank Battery 3	Turn Key	5,500	011448429	Emily Heikes
15	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 3	Coal City Cob	5,500	010902461	Emily Heikes
16	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 3	Coal City Cob	5,400	010902462	Emily Heikes
17	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 3	K&R	6,100	AWS 76916	Emily Heikes
18	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 3	Wayne Transports	6,000	AWS 76917	Emily Heikes
19	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank Battery 1	SET Environmental	5,100	086340	Emily Heikes
20	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Sparge 1	Wayne Transports	5,500	010902463	Emily Heikes
21	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 1	Neier	5,400	1688853-15240	Emily Heikes
22	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 1	Wayne Transports	6,000	AWS 76918	Emily Heikes
23	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 1	Neier	5,500	1688854-15240	Emily Heikes
24	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 1	Neier	5,500	1688855-15240	Emily Heikes
25	Non-Hazardous Leachate	Advanced Waste - Covanta Indianapolis	Sparge 1	Schiber	5,500	AWS 77505	Emily Heikes
26	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Sparge 1	Coal City Cob	5,400	010902464	Emily Heikes
27	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Sparge 1	Sully	6,000	AWS 70009	Emily Heikes
28	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 1	Neier	5,200	1688856-15240	Emily Heikes
29	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 1	Wetterau Homestead	5,300	AWS 76919	Emily Heikes
30	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Sparge 1	Coal City Cob	5,600	010902465	Emily Heikes
31	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank Battery 1	SET Environmental	5,100	086341	Emily Heikes
32	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 1	Mid America Waste Solutions	4,800	1688951-15240	Emily Heikes
33	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 4	Sully	6,000	AWS 70010	Emily Heikes
34	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 4	Neier	5,500	1688857-15240	Emily Heikes
35	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 4	Neier	5,400	1688858-15240	Emily Heikes
36	Non-Hazardous Leachate	Advanced Waste - Covanta Indianapolis	Tank Battery 4	Schiber	5,400	AWS 77506	Emily Heikes
37	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 4	K&R	6,075	AWS 76920	Emily Heikes

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
38	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 4	Coal City Cob	5,500	010902466	Brad Vits

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209,075

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1	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 4	Sully	6,000	AWS 70011	Brad Vits
2	Hazardous Leachate	Clean Harbors - Sarnia	Tank Farm - South	HazMat Environmental	5,000	006583219 FLE	Brad Vits
3	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 4	Wayne Transports	5,500	010902467 JJK	Brad Vits
4	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank Battery 1	SET Environmental	5,600	086343	Brad Vits
5	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 4	Coal City Cob	5,600	010902468 JJK	Brad Vits
6	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank Battery 1	MBI	7,400	086344	Brad Vits
7	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 4	Coal City Cob	5,600	010902469 JJK	Brad Vits
8	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 4	Neier	5,500	1688859-15240	Brad Vits
9	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 4	Heritage Transport	4,500	1688791-15240	Brad Vits
10	Non-Hazardous Leachate	Advanced Waste - Chemworks	Tank Battery 4	Coal City Cob	5,400	AWS 76921	Brad Vits
11	Non-Hazardous Leachate	Advanced Waste - Kankakee Metro	Tank Battery 3	Turn Key	5,500	011448430 JJK	Brad Vits
12	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank Battery 1	SET Environmental	5,300	086346	Brad Vits
13	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 3	Neier	5,500	1688860-15240	Brad Vits
14	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 3	Neier	5,400	1688861-15240	Brad Vits
15	Hazardous Leachate	Clean Harbors - Sarnia	Tank Farm - South	Frank's Vacuum Truck Service	5,000	006540933 FLE	Brad Vits
16	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank Battery 1	MBI	7,500	086347	Brad Vits
17	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 3	Wayne Transports	6,000	AWS 76922	Brad Vits
18	Non-Hazardous Leachate	Advanced Waste - Kankakee Metro	Tank Battery 3	Turn Key	6,000	011448431 JJK	Brad Vits
19	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 3	K&R	6,100	AWS 76923	Brad Vits
20	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank Battery 1	SET Environmental	5,300	086348	Brad Vits

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
21	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank Battery 1	MBI	7,500	086349	Brad Vits
22	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 3	K&R	6,100	AWS 76924	Brad Vits
23	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 3	Neier	5,400	1688862-15240	Brad Vits
24	Non-Hazardous Leachate	Advanced Waste - Chemworks	Tank Battery 3	Coal City Cob	5,400	AWS 76925	Brad Vits
25	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 3	Neier	5,200	1688863-15240	Brad Vits
26	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 3	Coal City Cob	5,600	010902470 JJK	Brad Vits
27	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank Battery 1	MBI	7,200	086350	Brad Vits
28	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 3	Sully	6,000	AWS 70012	Brad Vits
29	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Sparge 1	Sully	6,000	AWS 70013	Brad Vits
30	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 1	Neier	5,500	1688864-15240	Brad Vits
31	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 1	Mid America Waste Solutions	4,800	1688952-15240	Brad Vits
32	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 1	Neier	5,500	1688865-15240	Brad Vits
33	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 1	Neier	5,000	1688866-15240	Brad Vits
34	Hazardous Leachate	Clean Harbors - Sarnia	Tank Farm - South	Frank's Vacuum Truck Service	5,000	006540934 FLE	Brad Vits
35	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 1	Wayne Transports	5,500	AWS 76926	Brad Vits
36	Non-Hazardous Leachate	Heritage - Covanta Tulsa	Sparge 1	Triad Transport	5,000	1688918-16209	Brad Vits
37	Non-Hazardous Leachate	Heritage - Covanta Tulsa	Sparge 1	Triad Transport	5,000	1688919-16209	Brad Vits
38	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Sparge 1	Coal City Cob	5,400	010902471 JJK	Brad Vits

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214,800

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1	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank Battery 2	MBI	7,500	086339	Brad Vits
2	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Sparge 1	Sully	5,900	AWS 70027	Brad Vits
3	Non-Hazardous Leachate	Advanced Waste - Kankakee Metro	Sparge 1	Turn Key	5,400	011448432 JJK	Brad Vits
4	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank Battery 2	MBI	7,700	086345	Brad Vits

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
5	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 1	Heritage Transport	4,500	1690905-15240	Brad Vits
6	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank Battery 2	SET Environmental	5,500	086351	Brad Vits
7	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank Battery 2	SET Environmental	5,500	086353	Brad Vits
8	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 1	Heritage Transport	6,000	1691321-15240	Brad Vits
9	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 1	Heritage Transport	5,200	1691323-15240	Brad Vits
10	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 1	Heritage Transport	5,200	1691322-15240	Brad Vits
11	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank Battery 2	MBI	7,500	086354	Brad Vits
12	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank Battery 2	MBI	8,000	086355	Brad Vits
13	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 1	Wayne Transports	5,500	AWS 76946	Brad Vits
14	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank Battery 2	SET Environmental	5,400	086356	Brad Vits
15	Hazardous Leachate	Clean Harbors - Kimball	Tank Farm - South	Clean Harbors	4,200	006055804 FLE	Brad Vits
16	Non-Hazardous Leachate	Advanced Waste - Portage	Sparge 1	Coal City Cob	5,500	001997415 GBF	Brad Vits
17	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 2	Coal City Cob	5,600	010902472 JJK	Brad Vits
18	Non-Hazardous Leachate	Advanced Waste - Kankakee Metro	Tank Battery 2	Turn Key	5,800	011448433 JJK	Brad Vits
19	Non-Hazardous Leachate	Advanced Waste - Rockford IPC	Tank Battery 2	Wayne Transports	6,000	011448416 JJK	Brad Vits
20	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 4	Sully	6,000	AWS 70026	Brad Vits
21	Non-Hazardous Leachate	Heritage - Covanta Tulsa	Tank Battery 4	Triad Transport	4,800	1688920-16209	Brad Vits
22	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 4	Coal City Cob	5,600	010902473 JJK	Brad Vits
23	Non-Hazardous Leachate	Advanced Waste - Chemworks	Tank Battery 4	Coal City Cob	5,400	AWS 76945	Brad Vits

23

133,700

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1	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 4	Sully	5,900	AWS 70025	Brad Vits
2	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 4	Wayne Transports	5,500	AWS 76944	Brad Vits
3	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 4	K&R	6,000	AWS 76943	Brad Vits

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
4	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 4	Sully	6,000	AWS 70024	Brad Vits
5	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 4	Neier	5,500	1691272-15240	Brad Vits
6	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 4	K&R	6,100	AWS 76942	Brad Vits
7	Non-Hazardous Leachate	Heritage - Covanta Tulsa	Tank Battery 4	Triad Transport	5,500	1688921-16209	Brad Vits
8	Non-Hazardous Leachate	Heritage - Covanta Tulsa	Tank Battery 4	Triad Transport	4,800	1688922-16209	Brad Vits
9	Hazardous Leachate	Clean Harbors - Kimball	Tank Farm - South	Frank's Vacuum Truck Service	5,000	006055802 FLE	Brad Vits
10	Hazardous Leachate	Clean Harbors - Sarnia	Tank Farm - South	Frank's Vacuum Truck Service	5,000	006583145 FLE	Brad Vits
11	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 3	Neier	5,400	1691273-15240	Brad Vits
12	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 3	Sully	6,000	AWS 70023	Brad Vits
13	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 3	Sully	6,000	AWS 70022	Brad Vits
14	Non-Hazardous Leachate	Advanced Waste - Chemworks	Tank Battery 3	Coal City Cob	5,400	AWS 76927	Brad Vits

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78,100

Loading Date 4/29/2013

1	Non-Hazardous Leachate	Advanced Waste - Kankakee Metro	Tank Battery 3	Turn Key	5,400	011448434	Emily Heikes
2	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank Battery 1	MBI	7,500	086357	Emily Heikes
3	Hazardous Leachate	Clean Harbors - Sarnia		HazMat Environmental	5,000	006583144	Emily Heikes
4	Non-Hazardous Leachate for Rockford IPC	Advanced Waste - Rockford IPC	Tank Battery 6	Wayne Transports	6,000	011448415	Emily Heikes
5	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 3	Sully	6,000	AWS 70021	Emily Heikes
6	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank Battery 1	SET Environmental	5,300	086358	Emily Heikes
7	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 3	Ziron Environmental	5,000	010902474	Emily Heikes
8	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 3	Ziron Environmental	5,000	010902475	Emily Heikes
9	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 3	Heritage Transport	5,000	1691316-15240	Emily Heikes
10	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 3	Neier	5,500	1691266-15240	Emily Heikes

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
11	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank Battery 1	MBI	7,400	086359	Emily Heikes
12	Non-Hazardous Leachate	Advanced Waste - Portage	Tank Battery 3	Ziron Environmental	5,100	AWS 77404	Emily Heikes
13	Non-Hazardous Leachate for Rockford IPC	Advanced Waste - Rockford IPC	Tank Battery 6	Wayne Transports	6,000	011448414	Emily Heikes
14	Non-Hazardous Leachate	Advanced Waste - Portage	Tank Battery 3	Ziron Environmental	5,000	AWS 77405	Emily Heikes
15	Non-Hazardous Leachate	Advanced Waste - Portage	Tank Battery 3	Ziron Environmental	5,000	AWS 77406	Emily Heikes
16	Non-Hazardous Leachate for Rockford IPC	Advanced Waste - Rockford IPC	Tank Battery 6	Wayne Transports	6,000	011448413	Emily Heikes
17	Non-Hazardous Leachate	Advanced Waste - Kankakee Metro	Tank Battery 3	Turn Key	5,500	011448435	Emily Heikes
18	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank Battery 1	SET Environmental	5,700	086360	Emily Heikes
19	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 3	K&R	6,100	AWS 76941	Emily Heikes
20	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Sparge 1	Coal City Cob	5,400	010902477	Emily Heikes
21	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank Battery 1	MBI	7,400	086361	Emily Heikes
22	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 1	K&R	6,075	AWS 76940	Emily Heikes
23	Hazardous Leachate	Clean Harbors - Kimball		Clean Harbors	5,000	006055805	Emily Heikes
24	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 1	Neier	5,500	1691267-15240	Emily Heikes
25	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 1	Neier	5,000	1691268-15240	Emily Heikes
26	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 1	Altom	5,000	AWS 76939	Emily Heikes
27	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank Battery 1	MBI	7,500	086362	Emily Heikes
28	Non-Hazardous Leachate	Advanced Waste - Portage	Sparge 1	Coal City Cob	5,500	AWS 77407	Emily Heikes
29	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank Battery 1	SET Environmental	5,700	086363	Emily Heikes
30	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 1	Neier	5,400	1691269-15240	Emily Heikes
31	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 1	Sully	6,000	AWS 70020	Emily Heikes
32	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 1	Neier	4,500	1691270-15240	Emily Heikes
33	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 1	Coal City Cob	5,600	010902478	Emily Heikes
34	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Tank Battery 1	Schiber	5,800	AWS 76938	Emily Heikes

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
35	Hazardous Leachate	Clean Harbors - Sarnia		Frank's Vacuum Truck Service	5,000	006583146	Emily Heikes
36	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Tank Battery 1	Sully	6,000	AWS 70019	Emily Heikes
37	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 1	Mid America Waste Solutions	5,200	1691311-15240	Emily Heikes
38	Non-Hazardous Leachate	Advanced Waste - Chemworks	Sparge 1	Coal City Cob	5,400	AWS 76937	Emily Heikes
39	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 1	Neier	5,500	1691271-15240	Emily Heikes
40	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Sparge 1	Coal City Cob	5,600	010902479	Emily Heikes
41	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Sparge 2	Coal City Cob	5,600	010902480	Emily Heikes
42	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Sparge 2	Coal City Cob	5,400	010902481	Emily Heikes

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236,575

Loading Date 4/30/2013

0	Non-Hazardous Leachate for MSD	MSD - Missouri River	AST	MSD Direct Discharge	7,143	2013-04-30	
1	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank Battery 2	MBI	7,500	086364	Emily Heikes
2	Non-Hazardous Leachate	Advanced Waste - Chemworks	Sparge 2	SET Environmental	5,500	AWS 76936	Emily Heikes
3	Non-Hazardous Leachate	Advanced Waste - Chemworks	Sparge 2	Coal City Cob	5,400	AWS 76935	Emily Heikes
4	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank Battery 2	SET Environmental	5,700	086365	Emily Heikes
5	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Sparge 2	Sully	6,000	AWS 70018	Emily Heikes
6	Non-Hazardous Leachate	Heritage - Covanta Tulsa	Sparge 2	Triad Transport	5,000	1691716-16209	Emily Heikes
7	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 2	Heritage Transport	5,000	1691317-15240	Emily Heikes
8	Hazardous Leachate	Clean Harbors - Kimball		Clean Harbors	5,000	006056029	Emily Heikes
9	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 2	Neier	5,500	1691283-15240	Emily Heikes
10	Hazardous Leachate	Clean Harbors - Sarnia		Jade Transport, Ltd.	5,000	006583147	Emily Heikes
11	Non-Hazardous Leachate	Advanced Waste - Kankakee Metro	Sparge 2	Turn Key	5,500	011448441	Emily Heikes
12	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank Battery 2	MBI	7,500	086366	Emily Heikes
13	Hazardous Leachate	Clean Harbors - Sarnia		Clean Harbors	5,000	006583143	Emily Heikes

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
14	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank Battery 2	SET Environmental	5,500	086367	Emily Heikes
15	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 2	Neier	5,500	1691282-15240	Emily Heikes
16	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Sparge 2	Ziron Environmental	5,100	010902482	Emily Heikes
17	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Sparge 2	Ziron Environmental	5,000	010902483	Emily Heikes
18	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank Battery 2	MBI	7,500	086368	Emily Heikes
19	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 2	Neier	5,200	1691281-15240	Emily Heikes
20	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 2	Altom	5,400	AWS 76934	Emily Heikes
21	Non-Hazardous Leachate	Advanced Waste - Kankakee Metro	Sparge 1	Turn Key	6,000	011448440	Emily Heikes
22	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 1	Neier	5,400	1691280-15240	Emily Heikes
23	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank Battery 2	MBI	7,500	086369	Emily Heikes
24	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 1	Mid America Waste Solutions	5,000	1691312-15240	Emily Heikes
25	Non-Hazardous Leachate for Rockford IPC	Advanced Waste - Rockford IPC	Tank Battery 6	Wayne Transports	6,000	011448412	Emily Heikes
26	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 1	K&R	6,100	AWS 76933	Emily Heikes
27	Hazardous Leachate	Clean Harbors - Deer Park		Clean Harbors	4,800	006056022	Emily Heikes
28	Non-Hazardous Leachate	Advanced Waste - Covanta Indianapolis	Sparge 1	Coal City Cob	5,600	AWS 77509	Emily Heikes
29	Non-Hazardous Leachate	Advanced Waste - Cedar Rapids	Sparge 1	Sully	6,000	AWS 70017	Emily Heikes
30	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank Battery 2	MBI	7,500	086370	Emily Heikes
31	Non-Hazardous Leachate	Advanced Waste - Chemworks	Sparge 1	Coal City Cob	5,400	AWS 76932	Emily Heikes
32	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 1	Neier	4,500	1691279-15240	Emily Heikes
33	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 1	K&R	6,100	AWS 76931	Emily Heikes
34	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 2	Neier	5,400	1691278-15240	Emily Heikes
35	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Sparge 1	Neier	5,000	1691277-15240	Emily Heikes
36	Non-Hazardous Leachate	Advanced Waste - Crystal Springs	Sparge 1	Schiber	5,300	AWS 76930	Emily Heikes
37	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Sparge 1	Coal City Cob	5,400	010902485	Emily Heikes
38	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 4	Neier	5,000	1691276-15240	Emily Heikes

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
39	Non-Hazardous Leachate	Advanced Waste - Liquid Environmental	Tank Battery 4	Coal City Cob	5,500	010902486	Emily Heikes
40	Non-Hazardous Leachate	Advanced Waste - Covanta Indianapolis	Tank Battery 4	Coal City Cob	5,400	AWS 77508	Emily Heikes
41					232,843		