

APPENDIX G

Well No.	Easting	Northing	Top of PVC Elevation (ft NAVD 88)	Well Total Depth (ft)	Riser Length (ft)	Screen Length (ft)	Diameter (in)	Depth to Water (ft)
Coke Point								
CP02 PZM007	1456414.079	560865.993	27.12	31.6	21.6	10	2	26.56
CP02 PZM026	1456402.74	560881.5	27.31	50	45	5	2	26.95
CP05 PZM008	1455887.674	560856.675	30.39	32	22	10	2	9.66
CP05 PZM019	1454939.126	560034.225	10.48	26	21	5	2	10.38
CP05 PZM028	1454920.879	560050.934	7.07	35	32	3	2	8.70
CP07 PZM006	1456130.9	560493.407	14	17	7	10	2	13.75
CP08 PZM008	1456698.421	560456.819	24.64	30	20	10	2	24.30
CP08 PZM034	1456697.459	560464.899	25.47	57	52	5	2	25.00
CP09 PZM010	1455332.044	559498.846	7.63	15	5	10	2	7.15
CP09 PZM047	1455336.345	559498.516	7.39	52	47	5	2	6.74
CP10 PZM008			36.16	41	31	10	2	35.88
CP11 PZM010	1456177.229	559357.464	8.43	15	5	10	2	7.66
CP12 PZM012	1456306.57	559903.579	5.35	15	5	10	2	4.85
CP12 PZM052	1456313.747	559905.178	4.71	54	49	5	2	4.38
CP14 PZM009	1457257.14	559826.416	13.06	19	9	10	2	12.62
CP14 PZM062	1457250.141	559816.392	13.67	73	68	5	2	13.37
CP15 PZM020	1455789.362	559446.964	7.08				2	6.72
CP15 PZM042	1455792.819	559446.052	7.98				2	7.40
CP16 PZM035	1456808.801	559874.185	20.01				2	19.84

Well No.	Easting	Northing	Top of PVC Elevation (ft NAVD 88)	Well Total Depth (ft)	Riser Length (ft)	Screen Length (ft)	Diameter (in)	Depth to Water (ft)
Greys								
GL-02 (-29)	1457638.04	574605.59	23.203	50	40	10	2	23.91
GL-02 (-5)	1457625.79	574604.07	23.171	26	16	10	2	20.90
GL-03 (-16)	1459228.38	574549.21	17.298	30.7	20.7	10	2	12.90
GL-03 (-3)	1459231.80	574558.30	17.195	17	7	10	2	16.43
GL-05 (-25)	1457238.01	574099.56	25.189	47.5	35	10	2	25.25
GL-05 (-7)	1457230.98	574100.60	25.892	30	20	10	2	22.56
GL-08 (-36)	1459188.29	573921.22	16.648	50	40	10	2	15.86
GL-08 (-3)	1459187.29	573928.23	17.006	17	7	10	2	4.72
GL-09 (-20)	1459792.62	573420.01	16.14	33.2	23.2	10	2	9.89
GL-09 (-2)	1459786.10	573429.29	16.363	15.8	5.8	10	2	4.33
GL-10 (-31)	1458148.99	573073.18	21.433	50	40	10	2	20.82
GL-10 (-1)	1458140.87	573073.11	21.523	20	10	10	2	8.42
GL-11 (-33)	1458679.87	573092.85	21.982	52	42	10	2	18.86
GL-11 (-1)	1458672.32	573090.51	21.348	20	10	10	2	8.17
GL-12 (-17)	1456994.13	573171.38	12.809	27	17	10	2	8.17 16.20
GL-12 (-3)	1456993.72	573162.04	13.32	14	4	10	2	16.20 7.6
GL-13 (-26)	1457439.07	573091.77	18.479	42	32	10	2	7.6 17.83
GL-13 (+1)	1457430.66	573093.28	18.526	15	5	10	2	17.83 4.02
GL-14 (-33)	1457797.97	573134.99	19.71	50	40	10	2	19.17
GL-14 (+1)	1457787.50	573136.93	19.859	16	6	10	2	5.24
GL-15 (-36)	1457129.80	573888.92	16.341	50	40	10	2	15.92
GL-15 (-6)	1457123.11	573879.11	15.792	20	10	10	2	9.34
GL-16 (-32)	1457396.54	574336.78	20.669	50.0	40.0	10	2	20.68
GL-16 (-6)	1457402.16	574344.59	20.921	24	14	10	2	14.89
GL-17 (-31)	1458178.04	574466.97	21.175	50	40	10	2	20.91
GL-17 (-1)	1458189.31	574464.39	21.19	19.5	9.5	10	2	13.39
GL-18 (-33)	1458884.84	574265.76	19.696	50	40	10	2	19.09
GL-18 (-3)	1458893.68	574261.56	19.486	20	10	10	2	7.91
GL-19	1458080.65	574820.85	20.14	21.5	11.5	10	2	17.19
GL-20 (-5)	1458643.59	574724.27	19.419	22	12	10	2	12.64
TS-01 (-7)	1457737.79	575042.59	20.048	25	15	10	2	19.02

Well ID: CP05 PZM008

Date: 3/8/13

Weather: % 30's

DTW = 9.66

DTB = 15

Water Column = 5.34

Well Diameter = 2"

Volume = 0.85 ((pi*r^2*12)/231)*Water column

Time (5 min intervals)	pH	Conductivity	ORP	DO	Temp	Salinity	TDS	Turb	Color	Odor	Flow Rate	Draw Down	
Start	0945	11.63	8.14	-453	3.74	13.63	3.5	5.14	1.7	clear	NONE	~150	0.03
Interval 1	0950	12.74 11.63	8.21	-473	3.59	13.44	3.5	5.17	1.7	clear	NONE	~150	0.03
Interval 2	0955	11.67	8.21	-475	3.58	13.42	3.5	5.18	1.6	clear	NONE	~150	0.02
Interval 3	1000												
Interval 4													
Interval 5													
Interval 6													
Interval 7													
Interval 8													
Interval 9													
Interval 10													
Interval 11													
Interval 12													
Interval 13													
Interval 14													
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Interval 18													
Interval 19													
Interval 20													
Interval 21													
Interval 22													
Interval 23													
Interval 24													
Interval 25													
SAMPLE	1000	11.70	8.27	-476	3.40	13.27	3.5	5.18 5.21	1.2	clear	NONE	~150	0.02

5:21

Well ID: CP05 PZM019Date: 3/18/13Weather: 9/20'sDTW = 10.38DTB = 26Water Column = 15.62Well Diameter = 2"Volume = 2.50 $((\pi \cdot r^2 \cdot 12) / 231) \cdot \text{Water column}$

Time (5 min intervals)	pH	Conductivity	ORP	DO	Temp	Salinity	TDS	Turb	Color	Odor	Flow Rate	Draw Down	
Start	0945	12.84	7.49	-187	0.00	13.41	4.0	4.67	7.0	Clear	NONE	~150	0.07
Interval 1	0950	12.78	7.48	-185	0.00	13.67	4.1	4.72	6.8	Clear	NONE	~150	0.04
Interval 2	0955	12.79	7.51	-185	0.00	13.55	4.1	4.73	6.6	Clear	NONE	~150	0.02
Interval 3													
Interval 4													
Interval 5													
Interval 6													
Interval 7													
Interval 8													
Interval 9													
Interval 10													
Interval 11													
Interval 12													
Interval 13													
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Interval 20													
Interval 21													
Interval 22													
Interval 23													
Interval 24													
Interval 25													
SAMPLE	1000	12.76	7.65	-186	0.00	13.61	4.5	5.09	3.7	clear	NONE	~150	0.02

Well ID: CP08 PZM008

Date: 3/19/13

Weather: 91.30S

DTW = 24.36

DTB = 30

Water Column = 5.64

Well Diameter = 2'

Volume = 0.90 $((\pi \cdot r^2 \cdot 12) / 231) \cdot \text{Water column}$

Time (5 min intervals)	pH	Conductivity	ORP	DO	Temp	Salinity	TDS	Turb	Color	Odor	Flow Rate	Draw Down	
Start	0945	10.65	2.84	-273	4.60	15.05	1.0	1.81	45.2	Clear	NONE	~50	0.02
Interval 1	0950	10.79	2.77	-297	3.50	15.73	0.9	1.77	57.0	Clear	NONE	~50	0.02
Interval 2	0955	10.80	2.77	-304	3.30	15.56	0.9	1.77	49.4	Clear	NONE	~50	0.02
Interval 3	1000	10.79	2.78	-311	3.15	15.76	0.9	1.78	33.3	Clear	NONE	~50	0.02
Interval 4	1003	10.79	2.79	-313	3.05	15.86	0.9	1.79	27.3	Clear	NONE	~50	0.02
Interval 5	1006	10.78	2.78	-314	3.04	15.93	0.9	1.78	26.2	Clear	NONE	~50	0.02
Interval 6	1009	10.79	2.79	-315	3.02	15.86	0.9	1.79	25.4	Clear	NONE	~50	0.02
Interval 7													
Interval 8													
Interval 9													
Interval 10													
Interval 11													
Interval 12													
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Interval 14													
Interval 15													
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Interval 24													
Interval 25													
SAMPLE													

DEP

SVOC

Well ID: CP08 PZM034

Date: 3/19/13

Weather: 91.305

DTW = 25.00

DTB = 57

Water Column = 32

Well Diameter = 2"

Volume = 5.12 $((\pi * r^2 * 12) / 231) * \text{Water column}$

Time (5 min intervals)	pH	Conductivity	ORP	DO	Temp	Salinity	TDS	Turb	Color	Odor	Flow Rate	Draw Down	
Start	0945	7.31	9.05	-144	0.00	11.30	5.1	5.80	0.8	Clear	NONE	~50	0.03
Interval 1	0950	7.20	10.9	-159	0.00	11.92	6.1	6.75	0.3	Clear	NONE	~50	0.02
Interval 2	0955	7.22	11.1	-163	0.00	11.82	6.2	6.88	0.3	Clear	NONE	~50	0.02
Interval 3	1000	7.24	11.3	-167	0.00	12.02	6.3	7.02	0.4	Clear	NONE	~50	0.02
Interval 4													
Interval 5													
Interval 6													
Interval 7													
Interval 8													
Interval 9													
Interval 10													
Interval 11													
Interval 12													
Interval 13													
Interval 14													
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Interval 20													
Interval 21													
Interval 22													
Interval 23													
Interval 24													
Interval 25													
SAMPLE													

DUP

Well ID: CP09 PZM010

Date: 3/28/13

Weather: 9/10 30's

DTW = 7.15

DTB = 15

Water Column = 7.85

Well Diameter = 2"

Volume = 1.20 $((\pi * r^2 * h) / 231) * \text{Water column}$

Time (5 min intervals)	pH	Conductivity	ORP	DO	Temp	Salinity	TDS	Turb	Color	Odor	Flow Rate	Draw Down	
Start	<u>11:05</u>	<u>11.41</u>	<u>12.1</u>	<u>-293</u>	<u>5.85</u>	<u>9.48</u>	<u>5.7</u>	<u>7.75</u>	<u>326</u>	<u>Clear</u>	<u>NONE</u>	<u>~50</u>	<u>0.01</u>
Interval 1	<u>11:10</u>	<u>11.35</u>	<u>13.4</u>	<u>-256</u>	<u>4.44</u>	<u>8.69</u>	<u>6.2</u>	<u>8.35</u>	<u>279</u>	<u>Cloudy</u>	<u>NONE</u>	<u>~50</u>	<u>0.07</u>
Interval 2	<u>11:15</u>	<u>11.38</u>	<u>13.4</u>	<u>-222</u>	<u>4.07</u>	<u>8.47</u>	<u>6.3</u>	<u>8.44</u>	<u>226</u>	<u>Cloudy</u>	<u>NONE</u>	<u>~50</u>	<u>0.01</u>
Interval 3	11:18 <u>11:18</u>	<u>11.33</u>	<u>13.6</u>	<u>-218</u>	<u>4.04</u>	<u>8.41</u>	<u>6.3</u>	<u>8.46</u>	<u>212</u>	<u>Cloudy</u>	<u>NONE</u>	<u>~50</u>	<u>0.00</u>
Interval 4	<u>11:21</u>	<u>11.40</u>	<u>13.7</u>	<u>-207</u>	<u>3.98</u>	<u>8.28</u>	<u>6.3</u>	<u>8.48</u>	<u>199</u>	<u>Cloudy</u>	<u>NONE</u>	<u>~50</u>	<u>0.00</u>
Interval 5													
Interval 6													
Interval 7													
Interval 8													
Interval 9													
Interval 10													
Interval 11													
Interval 12													
Interval 13													
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Interval 19													
Interval 20													
Interval 21													
Interval 22													
Interval 23													
Interval 24													
Interval 25													
SAMPLE	<u>11:24</u>	<u>11.40</u>	<u>13.7</u>	<u>-204</u>	<u>3.99</u>	<u>8.26</u>	<u>6.3</u>	<u>8.49</u>	<u>189</u>	<u>Cloudy</u>	<u>NONE</u>	<u>~50</u>	<u>0.00</u>

Well ID: CP09 PZM47

Date: 3/18/13

Weather: 90 30's

DTW = 6.76

DTB = 52

Water Column = 45.24

Well Diameter = 2"

Volume = 7.24 $((\pi * r^2 * 12) / 231) * \text{Water column}$

Time (5 min intervals)	pH	Conductivity	ORP	DO	Temp	Salinity	TDS	Turb	Color	Odor	Flow Rate	Draw Down	
Start	1105	7.77	19.6	-265	0.00	9.64	11.5	12.2	0.0	Clear	NONE	~50	0.06
Interval 1	1110	7.66	19.9	-262	0.00	9.27	11.6	12.3	0.0	Clear	NONE	~50	0.05
Interval 2	1115	7.28	20.1	-211	0.00	9.26	11.6	12.4	0.0	Clear	NONE	~50	0.02
Interval 3	1118	7.18	20.2	-207	0.00	9.18	11.7	12.5	0.0	Clear	NONE	~50	0.01
Interval 4													
Interval 5													
Interval 6													
Interval 7													
Interval 8													
Interval 9													
Interval 10													
Interval 11													
Interval 12													
Interval 13													
Interval 14													
Interval 15													
Interval 16													
Interval 17													
Interval 18													
Interval 19													
Interval 20													
Interval 21													
Interval 22													
Interval 23													
Interval 24													
Interval 25													
SAMPLE	1121	7.17	20.2	-206	0.00	9.17	11.7	12.6	0.0	Clear	NONE	~50	0.01

Well ID: CP10 PZM008
 Date: 3/10/13
 Weather: 96.30s

DTW = 35.8 ft
 DTB = 41
 Water Column = 0.512
 Well Diameter = 2"
 Volume = 0.82 $((\pi \cdot r^2 \cdot 12) / 231) \cdot \text{Water column}$

Time (5 min intervals)	pH	Conductivity	ORP	DO	Temp	Salinity	TDS	Turb	Color	Odor	Flow Rate	Draw Down
Start 1255	11.38	11.1	-288	3.52	21.38	5.2	6.90	112	Yellow	NONE	~100	0.05
Interval 1 1300	11.42	11.1	-317	2.45	21.89	5.2	6.91	96.3	Yellow	NONE	~100	0.06
Interval 2 1305	11.47	11.2	-339	1.96	21.96	5.2	6.93	83.1	Yellow	NONE	~100	0.06
Interval 3 1310	11.50	11.2	-343	1.97	21.97	5.2	6.94	78.1	Yellow	NONE	~100	0.06
Interval 4 1313	11.51	11.2	-344	1.70	22.02	5.2	6.94	60.0	Yellow	NONE	~100	0.06
Interval 5 1316	11.51	11.2	-343	1.68	22.12	5.2	6.39	58.8	Yellow	NONE	~100	0.07
Interval 6 1319	11.52	11.2	-333	1.69	22.22	5.2	6.43	55.6	Yellow	NONE	~100	0.07
Interval 7												
Interval 8												
Interval 9												
Interval 10												
Interval 11												
Interval 12												
Interval 13												
Interval 14												
Interval 15												
Interval 16												
Interval 17												
Interval 18												
Interval 19												
Interval 20												
Interval 21												
Interval 22												
Interval 23												
Interval 24												
Interval 25												
SAMPLE												

Well difficult to find, yellow casing in high grass + frag

Well ID: GL-02(-5)
 Date: 3/21/13
 Weather: 96-40's

DTW = 20.90
 DTB = 26 / 27
 Water Column = 5.1
 Well Diameter = 2'
 Volume = 0.816 $((\pi * r^2 * 12) / 231) * \text{Water column}$

Time (5 min intervals)	pH	Conductivity	ORP	DO	Temp	Salinity	TDS	Turb	Color	Odor	Flow Rate	Draw Down	
Start	1410	7.97	1.64	-177	3.54	12.13	0.5	1.05	36.6	Grey/Sec	NONE	~50	0.10
Interval 1	1415	7.83	1.62	-176	3.27	11.90	0.5	1.04	35.5	Clear	NONE	~50	0.10
Interval 2	1420	7.58	1.52	-135	4.68	11.11	0.4	0.973	64.0	Cloudy	NONE	~50	0.11
Interval 3	1425	7.52	1.53	-125	4.84	11.11	0.4	0.971	119	Sediment water	NONE	~50	0.11
Interval 4	1428	7.51	1.52	-121	5.01	10.89	0.4	0.977	122	Sediment water	NONE	~50	0.12
Interval 5	1431	7.49	1.51	-110	5.27	10.57	0.4	1.05	125	" " "	NONE	~50	0.13
Interval 6	1434	7.48	1.52	-104	5.32	10.34	0.4	0.964	128	" " "	NONE	~50	0.13
Interval 7	1437	7.46	1.50	-106	5.36	10.22	0.4	0.973	130	" " "	NONE	~50	0.13
Interval 8													
Interval 9													
Interval 10													
Interval 11													
Interval 12													
Interval 13													
Interval 14													
Interval 15													
Interval 16													
Interval 17													
Interval 18													
Interval 19													
Interval 20													
Interval 21													
Interval 22													
Interval 23													
Interval 24													
Interval 25													
SAMPLE													

Well Screen may be compromised

Well ID: GL-05 (-25)
 Date: 3/2/13
 Weather: 96 30J

DTW = ~~25.25~~
 DTB = 47.5
 Water Column = 22.25
 Well Diameter = 7"
 Volume = 3.56 $((\pi \cdot r^2 \cdot 12) / 231) \cdot \text{Water column}$

Time (5 min intervals)	pH	Conductivity	ORP	DO	Temp	Salinity	TDS	Turb	Color	Odor	Flow Rate	Draw Down
Start	5.72	3.17	27	4.21	13.20	1.1	2.05	82.3	Clear	NONE	~50	0.02
Interval 1	6.18	3.38	-66	2.87	13.38	1.2	2.16	8.6	Clear	NONE	~50	0.04
Interval 2	6.00											
Interval 3	6.21	3.39	-75	2.79	13.19	1.2	2.17	3.9	Clear	NONE	~50	0.04
Interval 4	6.22	3.39	-76	2.78	13.17	1.2	2.17	4.1	Clear	NONE	~50	0.04
Interval 5	6.22	3.40	-77	2.77	13.12	1.2	2.17	1.9	Clear	NONE	~50	0.04
Interval 6												
Interval 7												
Interval 8												
Interval 9												
Interval 10												
Interval 11												
Interval 12												
Interval 13												
Interval 14												
Interval 15												
Interval 16												
Interval 17												
Interval 18												
Interval 19												
Interval 20												
Interval 21												
Interval 22												
Interval 23												
Interval 24												
Interval 25												
SAMPLE												

HORIBA
 checked

Well ID: GL-00(-7)
 Date: 3/6/13
 Weather: 9/30's

DTW = ~~1.19~~
 DTB = 22.56 30' ~~1.19~~
 Water Column = 7.44
 Well Diameter = 2"
 Volume = 1.19 $((\pi * r^2 * 12) / 231) * \text{Water column}$

Time (5 min intervals)	pH	Conductivity	ORP	DO	Temp	Salinity	TDS	Turb	Color	Odor	Flow Rate	Draw Down	
Start	1550	5.86	3.11	-65	0.00	14.57	1.6	1.96	100	Cloudy	NONE	~50	0.24
Interval 1	1555	5.58	2.01	-6	0.00	14.75	1.0	1.26	>>>	Tan	NONE	~50	0.25
Interval 2	1600	6.21	3.34	-75	2.77	13.34	1.2	2.17					
Interval 3	1610	5.27	1.62	40	0.00	14.77	0.8	1.04	206	Tan	NONE	~50	0.25
Interval 4	1615	5.31	1.62	38	0.00	14.76	0.8	1.04	149	Cloudy	NONE	~50	0.26
Interval 5	1618	5.33	1.62	37	0.00	14.90	0.8	1.04	153	Cloudy	NONE	~50	0.26
Interval 6	1624	5.40	1.66	36	0.00	14.90	0.8	1.06	147	Cloudy	NONE	~50	0.27
Interval 7													
Interval 8													
Interval 9													
Interval 10													
Interval 11													
Interval 12													
Interval 13													
Interval 14													
Interval 15													
Interval 16													
Interval 17													
Interval 18													
Interval 19													
Interval 20													
Interval 21													
Interval 22													
Interval 23													
Interval 24													
Interval 25													
SAMPLE													

→ HOR. BA clear

← - SVOC

Well ID:

GL-08 (-3)

DTW =

4.74

Date:

cloudy 40°

DTB =

20

Weather:

3/20/13

Water Column =

15.28

Well Diameter =

2" 2.44

Volume = ~~2.44~~ $((\pi \cdot r^2 \cdot 12) / 231) \cdot \text{Water column}$

Yellowish
Strong O/SW/C

Time (5 min intervals)	pH	Conductivity	ORP	DO	Temp	Salinity	TDS	Turb	Color	Odor	Flow Rate	Draw Down
Start	1520	11.22	2.10	-275	0.00	14.70	-	-	211	cloudy	50	-
Interval 1	1525	11.27	2.12	-286	0.00	14.00	-	-	267	"	"	0.00
Interval 2	1530	11.24	2.15	-286	0.00	13.85	-	-	234	"	"	0.01
Interval 3	1535	11.22	2.16	-283	0.00	13.79	-	-	209	"	"	0.01
Interval 4	1538	11.20	2.15	-283	0.00	13.80	-	-	197	"	"	0.01
Interval 5	1541	11.20	2.17	-283	0.00	13.76	-	-	183	"	"	0.00
Interval 6	1544	11.18	2.18	-281	0.00	13.61	-	-	133	"	"	0.00
Interval 7	1547	11.16	2.18	-281	0.00	13.60	-	-	129	"	"	0.01
Interval 8	1550	11.16	2.19	-280	0.00	13.59	-	-	115	"	"	0.01
Interval 9	1553	11.14	2.18	-280	0.00	13.56	-	-	109	"	"	0.01
Interval 10	1556	11.15	2.18	-281	0.00	13.52	-	-	106	"	"	0.02
Interval 11	1559											0.02
Interval 12	1602											
Interval 13	1605											
Interval 14												
Interval 15												
Interval 16												
Interval 17												
Interval 18												
Interval 19												
Interval 20												
Interval 21												
Interval 22												
Interval 23												
Interval 24												
Interval 25												
SAMPLE												

★ - some bubbles while filling bottles



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information: Company: ELT/Sparrows Point LLC Address: 200 Harry S. Truman Pkwy, Suite 330 Annapolis, MD 21401 Mail To: icalenda@sparrowspoint.net Phone: 314-620-3056 Fax: 410-388-6098 Requested Due Date/TAT: 5 Days	Section B Required Project Information: Report To: James Calenda Copy To: Purchase Order No.: Project Name: Coke Point Landfill Project Number:	Section C Invoice Information: Attention: Laura Sargent Company Name: Sparrows Point LLC Address: 1650 Des Peres Rd, St. Louis, MO 63163 Pace Quote Reference: Pace Project Manager: Rachel Christner Pace Profile #:	REGULATORY AGENCY <input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER _____ Site Location STATE: MD
--	--	---	--

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / -.) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Requested Analysis Filtered (Y/N)																Residual Chlorine (Y/N)
		DRINKING WATER WATER WASTE WATER PRODUCT SOIL/SOLID OIL	DW WT WW P SL OL VP AR OT			DATE	TIME	DATE	TIME					Unpreserved H ₂ SO ₄ HNO ₃ HCl NaOH Na ₂ S ₂ O ₃ Methanol Other	Z	N	N	Y	Y	Y	N	N	N	N	N	N	N	N	N	
1	CP05 PZM008	WT	G1	/	/	3/18/13	1900	6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
2	CP05 PZM019			/	/		1000	8	X	X	X	X				X	X	X	X	X	X	X	X	X	X					
3	CP07 PZM006			/	/		1600	8	X	X	X	X				X	X	X	X	X	X	X	X	X	X					
4	CP09 PZM010			/	/		1124	7	X	X	X	X				X	X	X	X	X	X	X	X	X	X					
5	CP09 PZM047			/	/		1121	7	X	X	X	X				X	X	X	X	X	X	X	X	X	X					
6	CP11 PZM010			/	/		1405	7	X	X	X	X				X	X	X	X	X	X	X	X	X	X					
7	CP14 PZM009			/	/		1500	6	X	X	X	X				X	X	X	X	X	X	X	X	X	X					
8	CP14 PZM062			/	/		1455	6	X	X	X	X				X	X	X	X	X	X	X	X	X	X					
9	CP15 PZM020			/	/		1215	9	X	X	X	X				X	X	X	X	X	X	X	X	X	X					
10	CP15 PZM042			/	/		1226	7	X	X	X	X				X	X	X	X	X	X	X	X	X	X	X				
11				/	/																									
12				/	/																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	M. Hickey	3/18/13	1900	FedEx 8735 6394 7010	3/18/13	1900	

SAMPLER NAME AND SIGNATURE	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: M. Hickey				
SIGNATURE of SAMPLER: <i>M. Hickey</i>				
DATE Signed (MM/DD/YY): 3/18/13				

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: ELT/Sparrows Point LLC		Report To: James Calenda		Attention: Laura Sargent	
Address: 200 Harry S. Truman Pkwy, Suite 330 Annapolis, MD 21401		Copy To:		Company Name: Sparrows Point LLC	
Email To: jcalenda@sparrowspoint.net		Purchase Order No.:		Address: 1650 Des Peres Rd, St. Louis, MO 631	
Phone: 314-620-3056 Fax: 410-388-6098		Project Name: Coke Point Landfill		Pace Quote Reference: Pace Project Manager: Rachel Christner	
Requested Due Date/TAT: 5 Days		Project Number:		Pace Profile #:	

REGULATORY AGENCY		
<input type="checkbox"/> NPDES	<input type="checkbox"/> GROUND WATER	<input type="checkbox"/> DRINKING WATER
<input type="checkbox"/> UST	<input type="checkbox"/> RCRA	<input type="checkbox"/> OTHER _____
Site Location	STATE: MD	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WP AR OT TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives Unpreserved H ₂ SO ₄ HNO ₃ HCl NaOH Na ₂ S ₂ O ₃ Methanol Other	Analysis Test ↓	Requested Analysis Filtered (Y/N)																Residual Chlorine (Y/N)				
					COMPOSITE START		COMPOSITE END/GRAB						Total Sb, As, Ba, Be, Cd, Cr, Cu, Co	Total Cu, Fe, Pb, Ni, Mg, Mn, Hg, K	Total Se, Ag, Na, Ti, V, Zn	Dis. Sb, As, Ba, Be, Cd, Cr, Ca, Co	Dis. Cu, Fe, Pb, Ni, Mg, Mn, Hg, K	Dis. Se, Ag, Na, Ti, V, Zn	pH, Alkalinity, Hardness	Chloride, Specific Conductance	Nitrate, COD, Turbidity	Ammonia, Sulfate, TDS	VOCS	SVOCs									
1	CP02 PZM007		WT	G				3/19/13	0903	6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			Pace Project No./ Lab I.D.	
2	CP07 PZM026								0912	6	X	X	X	X						X	X	X	X	X									
3	CP05 PZM028								1345	6	X	X	X	X						X	X	X	X	X									
4	CP08 PZM008								1009	8	X	X	X	X						X	X	X	X	X									
5	CP08 PZM034								1000	6	X	X	X	X						X	X	X	X	X	X								
6	CP10 PZM008								1319	6	X	X	X	X						X	X	X	X	X									
7	CP12 PZM012								1219	7	X	X	X	X						X	X	X	X	X									
8	CP12 PZM052								1213	7	X	X	X	X						X	X	X	X	X									
9	CP16 PZM035								1035	8	X	X	X	X						X	X	X	X	X	X								
10																				X	X	X	X	X	X								
11																																	
12																																	

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS			
		M-T J CSIE		3/19/13		1900		FedEx 8735 6394 7042		3/19/13		1900					

SAMPLER NAME AND SIGNATURE: M. Hickey				
PRINT Name of SAMPLER: M. Hickey		DATE Signed (MM/DD/YY): 3/19/13		
SIGNATURE of SAMPLER: M-T J		Temp in °C		
		Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 1 of <u>1</u>		
Company: ELT/Sparrows Point LLC		Report To: James Calenda		Attention: Laura Sargent		REGULATORY AGENCY		
Address: 200 Harry S. Truman Pkwy, Suite 330 Annapolis, MD 21401		Copy To:		Company Name: Sparrows Point LLC				<input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER
Email To: jcalenda@sparrowpoint.net		Purchase Order No.:		Address: 1650 Des Peres Rd, St. Louis, MO 631				<input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER
Phone: 314-620-3056 Fax: 410-388-6098		Project Name: Grey's Landfill		Pace Quote Reference:		Site Location		
Requested Due Date/TAT: 5 Days		Project Number:		Pace Project Manager: Rachel Christner		STATE: MD		
				Pace Profile #:				

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WP AR OT TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.								
					COMPOSITE START		COMPOSITE END/GRAB				Preservatives																			
					DATE	TIME	DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test ↓	Total Sb, As, Ba, Be, Cd, Cr, Ca, Cu			Total Cu, Fe, Pb, Ni, Mg, Mn, Hg, K	Total Se, Ag, Na, Ti, V, Zn	pH, Alkalinity, Hardness	Chloride, Specific Conductance	Nitrate, COD, Turbidity	Ammonia	Sulfate, TDS	VOCs
1	GL-12 (-3)		WTG	G	3/20/13	0931	3/20/13	0931	6	X	X	X	X																	
2	GL-12 (-17)					0919		0919	6																					
3	GL-10 (-1)					1022		1021	6																					
4	GL-10 (-31)					1030		1030	6																					
5	GL-14 (-33)					1119		1119	6																					
6	GL-14 (+1)					1137		1137	6																					
7	GL-13 (+1)					1309		1309	6																					
8	GL-13 (-26)					1333		1333	6																					
9	GL-11 (-31)					1433		1433	6																					
10	GL-11 (-1)					1442		1442	6																					
11	GL-08 (-3)					1556		1556	8																					
12	GL-08 (-36)					1619		1619	6	X	X	X	X																	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Kevin Castallo	3/20/13	1900	Fedex 8665 5765	3/20/13	900	

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Kevin Castallo					
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY): 3/20/13				

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 1 of 2 <i>ZNH</i>
Company: ELT/Sparrows Point LLC		Report To: James Calenda		Attention: Laura Sargent		
Address: 200 Harry S. Truman Pkwy, Suite 330 Annapolis, MD 21401		Copy To:		Company Name: Sparrows Point LLC		REGULATORY AGENCY <input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER
Email To: jcalenda@sparrowspoint.net		Purchase Order No.:		Address: 1650 Des Peres Rd, St. Louis, MO 631		
Phone: 314-620-3056 Fax: 410-388-6098		Project Name: Grey's Landfill		Pace Quote Reference:		Site Location: MD
Requested Due Date/TAT: 5 Days		Project Number:		Pace Project Manager: Rachel Christner		
				Pace Profile #:		STATE: MD

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / . -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
		MATRIX	CODE			COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test	Total Sb, As, Ba, Be, Cd, Cr, Ca, Cd	Total Cu, Fe, Pb, Ni, Mg, Mn, Hg, K	Total Se, Ag, Na, Ti, V, Zn	pH, Alkalinity, Hardness	Chloride, Specific Conductance	Nitrate, COD, Turbidity	Ammonia	Sulfate, TDS	VOCs	SVOCs			
		DRINKING WATER	DW			DATE	TIME	DATE	TIME			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
1	GL-09 (-2)			WT	G	\	\	3/21/13	0911	8	X	X	X	X					X	X	X	X	X	X	X	X	X	X					
2	GL-09 (-24)					\	\		0911	6	X	X	X	X					X	X	X	X	X	X	X	X	X	X					
3	GL-03 (-16)					\	\		1000	6	X	X	X	X					X	X	X	X	X	X	X	X	X	X					
4	GL-03 (-3)					\	\		1000	6	X	X	X	X					X	X	X	X	X	X	X	X	X	X					
5	GL-18 (-3)					\	\		1043	8	X	X	X	X					X	X	X	X	X	X	X	X	X	X					
6	GL-18 (-33)					\	\		1046	6	X	X	X	X					X	X	X	X	X	X	X	X	X	X					
7	GL-20 (-5)					\	\		1142	8	X	X	X	X					X	X	X	X	X	X	X	X	X	X					
8	TS-01 (-7)					\	\		1250	6	X	X	X	X					X	X	X	X	X	X	X	X	X	X					
9	GL-17 (-31)					\	\		1330	8	X	X	X	X					X	X	X	X	X	X	X	X	X	X					
10	GL-17 (-11) GL-17 (-1)					\	\		1330	8	X	X	X	X					X	X	X	X	X	X	X	X	X	X					
11	GL-02 (-29)					\	\		1428	6	X	X	X	X					X	X	X	X	X	X	X	X	X	X					
12	GL-02 (-5)					\	\		1437	6	X	X	X	X					X	X	X	X	X	X	X	X	X	X					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS						
	<i>M=TS</i> CSIE	3/21/13	2030	FedEx 8735 43914 7020	3/21/13	2030							

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	M. Hickey				
SIGNATURE of SAMPLER:	<i>M=TS</i>				
DATE Signed (MM/DD/YY):		3/21/13			

Section A Client Information:	Section B Required Project Information:	Section C Invoice Information:
Client: EIT/Sparrows Point LLC	Report To: James Calenda	Attention: Laura Sargent
Company: 200 Harry S. Truman Pkwy, Suite 330	Copy To:	Company Name: Sparrows Point LLC
Address: Annapolis, MD 21401		Address: 1650 Des Peres Rd, St. Louis, MO 631
Email To: jcalenda@sparrowspoint.net	Purchase Order No.:	Pace Quote Reference: EEC_COKE POINT GW_012113
Phone: 314-620-3056 Fax: 410-388-6098	Project Name: Grey's Landfill	Pace Project Manager: Rachel Christner
Requested Due Date/TAT: 5 Days	Project Number:	Pace Profile #:
		REGULATORY AGENCY <input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER _____
		Site Location: MD
		STATE: MD

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WP AR OT TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
					COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test	Total Sb, As, Ba, Be, Cd, Cr, Ca, Cu	Total Cu, Fe, Pb, Ni, Mg, Mn, Hg, K	Total Se, Ag, Na, Ti, V, Zn	pH, Alkalinity, Hardness	Chloride, Specific Conductance	Nitrate, COD, Turbidity	Ammonia	Sulfate, TDS	VOCs	SVOCs			
					DATE	TIME	DATE	TIME											Y/N													
1	GL-11a (-6)		WT	G	/	/			6	X	X	X	X						X	X	X	X	X	X	X	X	X					
2	GL-11a (-32)				/	/			6	X	X	X	X						X	X	X	X	X	X	X	X	X					
3	GL-05 (-25)				/	/			6	X	X	X	X						X	X	X	X	X	X	X	X	X					
4	GL-05 (-7)				/	/			6	X	X	X	X						X	X	X	X	X	X	X	X	X					
5	GL-15 (-36)				/	/			6	X	X	X	X						X	X	X	X	X	X	X	X	X					
6	GL-15 (-6)				/	/			6	X	X	X	X						X	X	X	X	X	X	X	X	X					
7	GL-19				/	/			6	X	X	X	X						X	X	X	X	X	X	X	X	X					
8					/	/																										
9					/	/																										
10					/	/																										
11					/	/																										
12					/	/																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	<i>M-Hick</i> CSIE	3/21/13	2030	FedEx 8735 6394 7020	3/21/13	2030	

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <i>M. Hick</i>	DATE Signed (MM/DD/YY): <i>3/21/13</i>				
SIGNATURE of SAMPLER: <i>M-Hick</i>					

APPENDIX H

March 27, 2013

Mr. James Calenda
ELT/Sparrows Point LLC
200 Harry S. Truman Pkwy
Suite 330
Annapolis, MD 21401

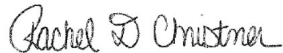
RE: Project: Coke Point Landfill
Pace Project No.: 3089861

Dear Mr. Calenda:

Enclosed are the analytical results for sample(s) received by the laboratory on March 20, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Rachel Christner

rachel.christner@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: Coke Point Landfill
Pace Project No.: 3089861

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: Pace
Florida/NELAP Certification #: E87605
Georgia Certification #: 959
Hawaii Certification #Pace
Idaho Certification #: MN00064
Illinois Certification #: 200011
Kansas Certification #: E-10167
Louisiana Certification #: 03086
Louisiana Certification #: LA080009
Maine Certification #: 2007029
Maryland Certification #: 322
Michigan DEQ Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace

Montana Certification #: MT CERT0092
Nebraska Certification #: Pace
Nevada Certification #: MN_00064
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Dakota Certification #: R-036
North Dakota Certification #: R-036A
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Tennessee Certification #: 02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Virginia/DCLS Certification #: 002521
Virginia/VELAP Certification #: 460163
Washington Certification #: C754
West Virginia Certification #: 382
Wisconsin Certification #: 999407970

Pennsylvania Certification IDs

1638 Roseytown Rd Suites 2,3&4 Greensburg, PA 15601
ACLASS DOD-ELAP Accreditation #: ADE-1544
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California/TNI Certification #: 04222CA
Colorado Certification
Connecticut Certification #: PH-0694
Delaware Certification
Florida/TNI Certification #: E87683
Guam/PADEP Certification
Hawaii/PADEP Certification
Idaho Certification
Illinois/PADEP Certification
Indiana/PADEP Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: 90133
Louisiana/TNI Certification #: LA080002
Louisiana/TNI Certification #: 4086
Maine Certification #: PA0091
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457

Michigan/PADEP Certification
Missouri Certification #: 235
Montana Certification #: Cert 0082
Nevada Certification
New Hampshire/TNI Certification #: 2976
New Jersey/TNI Certification #: PA 051
New Mexico Certification
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
Oregon/TNI Certification #: PA200002
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
South Dakota Certification
Tennessee Certification #: TN2867
Texas/TNI Certification #: T104704188
Utah/TNI Certification #: ANTE
Virgin Island/PADEP Certification
Virginia Certification #: 00112
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia Certification #: 143
Wisconsin/PADEP Certification
Wyoming Certification #: 8TMS-Q

REPORT OF LABORATORY ANALYSIS

SAMPLE ANALYTE COUNT

Project: Coke Point Landfill

Pace Project No.: 3089861

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3089861001	CP02 PZM007	SM 2340B	RTW	1	PASI-PA
		EPA 6010B	CTS	2	PASI-PA
		EPA 6020	TT3	21	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8260	JAS	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	CLP	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		ASTM D516-90,02	CLP	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
SM 4500-NO3 F	AMS	1	PASI-PA		
3089861002	CP02 PZM026	SM 2340B	RTW	1	PASI-PA
		EPA 6010B	CTS	2	PASI-PA
		EPA 6020	TT3	21	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8260	JAS	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	CLP	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		ASTM D516-90,02	CLP	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
SM 4500-NO3 F	AMS	1	PASI-PA		
3089861003	CP05 PZM028	SM 2340B	RTW	1	PASI-PA
		EPA 6010B	CTS	2	PASI-PA
		EPA 6020	TT3	21	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8260	JAS	51	PASI-PA

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SAMPLE ANALYTE COUNT

Project: Coke Point Landfill

Pace Project No.: 3089861

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	CLP	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		ASTM D516-90,02	CLP	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
3089861004	CP08 PZM008	SM 2340B	RTW	1	PASI-PA
		EPA 6010B	CTS	2	PASI-PA
		EPA 6020	TT3	21	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8270	TB1	75	PASI-PA
		EPA 8260	DJL, JAS	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	CLP	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		ASTM D516-90,02	CLP	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
3089861005	CP08 PZM034	SM 2340B	RTW	1	PASI-PA
		EPA 6010B	CTS	2	PASI-PA
		EPA 6020	TT3	21	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8260	DJL	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

SAMPLE ANALYTE COUNT

Project: Coke Point Landfill

Pace Project No.: 3089861

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3089861006	CP10 PZM008	EPA 9050	CLP	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		ASTM D516-90,02	CLP	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
		SM 2340B	RTW	1	PASI-PA
		EPA 6010B	CTS	2	PASI-PA
		EPA 6020	TT3	21	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8260	JAS	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	CLP	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		3089861007	CP12 PZM012	SM 4500-CI-E	AMS
ASTM D516-90,02	CLP			1	PASI-PA
SM 4500-NO2 B	PAS			1	PASI-PA
SM 4500-NO3 F	AMS			1	PASI-PA
SM 2340B	RTW			1	PASI-PA
EPA 6010B	CTS			2	PASI-PA
EPA 6020	TT3			21	PASI-M
EPA 6020	TT3			21	PASI-M
EPA 7470	TEM			1	PASI-M
EPA 7470	TEM			1	PASI-M
EPA 8260	JAS			51	PASI-PA
EPA 180.1	PAS			1	PASI-PA
SM 2320B	AMS			1	PASI-PA
SM 2540C	PAS			1	PASI-PA
SM 4500-H+B	JLS			1	PASI-PA
EPA 9050	CLP			1	PASI-PA
EPA 350.1	AMS			1	PASI-PA
EPA 410.4	DLH			1	PASI-PA

REPORT OF LABORATORY ANALYSIS

SAMPLE ANALYTE COUNT

Project: Coke Point Landfill

Pace Project No.: 3089861

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory		
3089861008	CP12 PZM052	SM 4500-CI-E	AMS	1	PASI-PA		
		ASTM D516-90,02	CLP	1	PASI-PA		
		SM 4500-NO2 B	PAS	1	PASI-PA		
		SM 4500-NO3 F	AMS	1	PASI-PA		
		SM 2340B	RTW	1	PASI-PA		
		EPA 6010B	CTS	2	PASI-PA		
		EPA 6020	TT3	21	PASI-M		
		EPA 6020	TT3	21	PASI-M		
		EPA 7470	TEM	1	PASI-M		
		EPA 7470	TEM	1	PASI-M		
		EPA 8260	JAS	51	PASI-PA		
		EPA 180.1	PAS	1	PASI-PA		
		SM 2320B	AMS	1	PASI-PA		
		SM 2540C	PAS	1	PASI-PA		
		SM 4500-H+B	JLS	1	PASI-PA		
		EPA 9050	CLP	1	PASI-PA		
		EPA 350.1	AMS	1	PASI-PA		
		EPA 410.4	DLH	1	PASI-PA		
		3089861009	CP16 PZM035	SM 4500-CI-E	AMS	1	PASI-PA
				ASTM D516-90,02	CLP	1	PASI-PA
SM 4500-NO2 B	PAS			1	PASI-PA		
SM 4500-NO3 F	AMS			1	PASI-PA		
SM 2340B	RTW			1	PASI-PA		
EPA 6010B	CTS			2	PASI-PA		
EPA 6020	TT3			21	PASI-M		
EPA 7470	TEM			1	PASI-M		
EPA 8270	TB1			75	PASI-PA		
EPA 8260	JAS			51	PASI-PA		
EPA 180.1	PAS			1	PASI-PA		
SM 2320B	AMS			1	PASI-PA		
SM 2540C	PAS			1	PASI-PA		
SM 4500-H+B	JLS			1	PASI-PA		
EPA 9050	CLP			1	PASI-PA		
EPA 350.1	AMS			1	PASI-PA		
EPA 410.4	DLH			1	PASI-PA		
SM 4500-CI-E	AMS			1	PASI-PA		
ASTM D516-90,02	CLP	1	PASI-PA				

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SAMPLE ANALYTE COUNT

Project: Coke Point Landfill

Pace Project No.: 3089861

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089861

Sample: CP02 PZM007	Lab ID: 3089861001	Collected: 03/19/13 09:03	Received: 03/20/13 10:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.) Analytical Method: SM 2340B								
Total Hardness	1280	mg/L	2.1	1		03/22/13 13:09		
6010 MET ICP Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Calcium	479000	ug/L	1000	1	03/21/13 12:26	03/22/13 13:09	7440-70-2	
Magnesium	20100	ug/L	200	1	03/21/13 12:26	03/22/13 13:09	7439-95-4	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Antimony	ND	mg/L	0.010	5	03/21/13 19:42	03/24/13 13:12	7440-36-0	D3
Arsenic	0.022	mg/L	0.010	5	03/21/13 19:42	03/24/13 13:12	7440-38-2	
Barium	ND	mg/L	0.050	5	03/21/13 19:42	03/24/13 13:12	7440-39-3	
Beryllium	ND	mg/L	0.010	5	03/21/13 19:42	03/24/13 13:12	7440-41-7	D3
Cadmium	ND	mg/L	0.020	5	03/21/13 19:42	03/24/13 13:12	7440-43-9	D3
Calcium	499	mg/L	4.0	50	03/21/13 19:42	03/24/13 13:17	7440-70-2	
Chromium	ND	mg/L	0.050	5	03/21/13 19:42	03/24/13 13:12	7440-47-3	D3
Cobalt	ND	mg/L	0.050	5	03/21/13 19:42	03/24/13 13:12	7440-48-4	
Copper	ND	mg/L	0.050	5	03/21/13 19:42	03/24/13 13:12	7440-50-8	D3
Iron	ND	mg/L	0.25	5	03/21/13 19:42	03/24/13 13:12	7439-89-6	
Lead	ND	mg/L	0.010	5	03/21/13 19:42	03/24/13 13:12	7439-92-1	D3
Magnesium	18.2	mg/L	0.050	5	03/21/13 19:42	03/24/13 13:12	7439-95-4	
Manganese	0.97	mg/L	0.050	5	03/21/13 19:42	03/24/13 13:12	7439-96-5	
Nickel	ND	mg/L	0.055	5	03/21/13 19:42	03/24/13 13:12	7440-02-0	D3
Potassium	51.1	mg/L	2.0	5	03/21/13 19:42	03/24/13 13:12	7440-09-7	
Selenium	ND	mg/L	0.18	5	03/21/13 19:42	03/24/13 13:12	7782-49-2	
Silver	ND	mg/L	0.050	5	03/21/13 19:42	03/24/13 13:12	7440-22-4	D3
Sodium	118	mg/L	10.0	50	03/21/13 19:42	03/24/13 13:17	7440-23-5	
Thallium	ND	mg/L	0.010	5	03/21/13 19:42	03/24/13 13:12	7440-28-0	D3
Vanadium	ND	mg/L	0.050	5	03/21/13 19:42	03/24/13 13:12	7440-62-2	
Zinc	ND	mg/L	0.050	5	03/21/13 19:42	03/24/13 13:12	7440-66-6	D3
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	1	03/22/13 09:00	03/25/13 09:20	7439-97-6	
8260 MSV Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/21/13 17:15	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/21/13 17:15	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/21/13 17:15	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/21/13 17:15	79-00-5	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/21/13 17:15	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		03/21/13 17:15	75-35-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/21/13 17:15	96-18-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		03/21/13 17:15	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/21/13 17:15	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/21/13 17:15	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/21/13 17:15	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/21/13 17:15	78-87-5	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/21/13 17:15	106-46-7	

Date: 03/27/2013 05:03 PM

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ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089861

Sample: CP02 PZM007		Lab ID: 3089861001	Collected: 03/19/13 09:03	Received: 03/20/13 10:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
2-Butanone (MEK)	ND ug/L		5.0	1		03/21/13 17:15	78-93-3	
2-Hexanone	ND ug/L		5.0	1		03/21/13 17:15	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		03/21/13 17:15	108-10-1	
Acetone	ND ug/L		5.0	1		03/21/13 17:15	67-64-1	
Acrylonitrile	ND ug/L		2.0	1		03/21/13 17:15	107-13-1	
Benzene	ND ug/L		1.0	1		03/21/13 17:15	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		03/21/13 17:15	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		03/21/13 17:15	75-27-4	
Bromoform	ND ug/L		1.0	1		03/21/13 17:15	75-25-2	
Bromomethane	ND ug/L		1.0	1		03/21/13 17:15	74-83-9	
Carbon disulfide	ND ug/L		1.0	1		03/21/13 17:15	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		03/21/13 17:15	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		03/21/13 17:15	108-90-7	
Chloroethane	ND ug/L		1.0	1		03/21/13 17:15	75-00-3	
Chloroform	ND ug/L		1.0	1		03/21/13 17:15	67-66-3	
Chloromethane	ND ug/L		1.0	1		03/21/13 17:15	74-87-3	
Dibromochloromethane	ND ug/L		1.0	1		03/21/13 17:15	124-48-1	
Dibromomethane	ND ug/L		1.0	1		03/21/13 17:15	74-95-3	
Ethylbenzene	ND ug/L		1.0	1		03/21/13 17:15	100-41-4	
Iodomethane	ND ug/L		1.0	1		03/21/13 17:15	74-88-4	
Methyl-tert-butyl ether	ND ug/L		1.0	1		03/21/13 17:15	1634-04-4	
Methylene Chloride	ND ug/L		1.0	1		03/21/13 17:15	75-09-2	
Styrene	ND ug/L		1.0	1		03/21/13 17:15	100-42-5	
Tetrachloroethene	ND ug/L		1.0	1		03/21/13 17:15	127-18-4	
Toluene	ND ug/L		1.0	1		03/21/13 17:15	108-88-3	
Trichloroethene	ND ug/L		1.0	1		03/21/13 17:15	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		03/21/13 17:15	75-69-4	
Vinyl acetate	ND ug/L		1.0	1		03/21/13 17:15	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		03/21/13 17:15	75-01-4	
Xylene (Total)	ND ug/L		1.0	1		03/21/13 17:15	1330-20-7	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		03/21/13 17:15	156-59-2	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		03/21/13 17:15	10061-01-5	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		03/21/13 17:15	156-60-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		03/21/13 17:15	10061-02-6	
trans-1,4-Dichloro-2-butene	ND ug/L		1.0	1		03/21/13 17:15	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	95 %		85-115	1		03/21/13 17:15	460-00-4	
1,2-Dichloroethane-d4 (S)	100 %		77-119	1		03/21/13 17:15	17060-07-0	
Toluene-d8 (S)	97 %		85-115	1		03/21/13 17:15	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	0.26 NTU		0.10	1		03/20/13 20:27		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	42.0 mg/L		1.0	1		03/26/13 17:30		

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089861

Sample: CP02 PZM007		Lab ID: 3089861001	Collected: 03/19/13 09:03	Received: 03/20/13 10:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	2210	mg/L	10.0	1		03/21/13 12:45		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	7.6	Std. Units	0.10	1		03/20/13 19:12		H6
9050 Specific Conductance	Analytical Method: EPA 9050							
Specific Conductance	2740	umhos/cm	1.0	1		03/26/13 11:47		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	2.1	mg/L	0.10	1		03/25/13 16:54	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	26.9	mg/L	10.0	1		03/26/13 08:00		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	76.0	mg/L	60.0	20		03/22/13 08:27	16887-00-6	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	1460	mg/L	7.6	20		03/27/13 11:31	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	ND	mg/L	0.010	1		03/20/13 18:55	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	ND	mg/L	0.060	1		03/25/13 09:16	14797-55-8	

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089861

Sample: CP02 PZM026	Lab ID: 3089861002	Collected: 03/19/13 09:12	Received: 03/20/13 10:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.) Analytical Method: SM 2340B								
Total Hardness	1440 mg/L		2.1	1		03/22/13 13:13		
6010 MET ICP Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Calcium	490000 ug/L		1000	1	03/21/13 12:26	03/22/13 13:13	7440-70-2	
Magnesium	51800 ug/L		200	1	03/21/13 12:26	03/22/13 13:13	7439-95-4	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Antimony	ND mg/L		0.010	5	03/21/13 19:42	03/24/13 13:22	7440-36-0	D3
Arsenic	ND mg/L		0.010	5	03/21/13 19:42	03/24/13 13:22	7440-38-2	D3
Barium	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 13:22	7440-39-3	
Beryllium	ND mg/L		0.010	5	03/21/13 19:42	03/24/13 13:22	7440-41-7	D3
Cadmium	ND mg/L		0.020	5	03/21/13 19:42	03/24/13 13:22	7440-43-9	D3
Calcium	512 mg/L		4.0	50	03/21/13 19:42	03/24/13 13:27	7440-70-2	
Chromium	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 13:22	7440-47-3	D3
Cobalt	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 13:22	7440-48-4	
Copper	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 13:22	7440-50-8	D3
Iron	13.9 mg/L		0.25	5	03/21/13 19:42	03/24/13 13:22	7439-89-6	
Lead	ND mg/L		0.010	5	03/21/13 19:42	03/24/13 13:22	7439-92-1	D3
Magnesium	47.8 mg/L		0.050	5	03/21/13 19:42	03/24/13 13:22	7439-95-4	
Manganese	5.8 mg/L		0.50	50	03/21/13 19:42	03/24/13 13:27	7439-96-5	
Nickel	ND mg/L		0.055	5	03/21/13 19:42	03/24/13 13:22	7440-02-0	D3
Potassium	21.4 mg/L		2.0	5	03/21/13 19:42	03/24/13 13:22	7440-09-7	
Selenium	ND mg/L		0.18	5	03/21/13 19:42	03/24/13 13:22	7782-49-2	D3
Silver	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 13:22	7440-22-4	D3
Sodium	158 mg/L		10.0	50	03/21/13 19:42	03/24/13 13:27	7440-23-5	
Thallium	ND mg/L		0.010	5	03/21/13 19:42	03/24/13 13:22	7440-28-0	D3
Vanadium	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 13:22	7440-62-2	
Zinc	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 13:22	7440-66-6	D3
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND ug/L		0.20	1	03/22/13 09:00	03/25/13 09:22	7439-97-6	
8260 MSV Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/21/13 17:41	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/21/13 17:41	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/21/13 17:41	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/21/13 17:41	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/21/13 17:41	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/21/13 17:41	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/21/13 17:41	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/21/13 17:41	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/21/13 17:41	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/21/13 17:41	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/21/13 17:41	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/21/13 17:41	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/21/13 17:41	106-46-7	

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089861

Sample: CP02 PZM026		Lab ID: 3089861002	Collected: 03/19/13 09:12	Received: 03/20/13 10:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
2-Butanone (MEK)	ND ug/L		5.0	1		03/21/13 17:41	78-93-3	
2-Hexanone	ND ug/L		5.0	1		03/21/13 17:41	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		03/21/13 17:41	108-10-1	
Acetone	ND ug/L		5.0	1		03/21/13 17:41	67-64-1	
Acrylonitrile	ND ug/L		2.0	1		03/21/13 17:41	107-13-1	
Benzene	ND ug/L		1.0	1		03/21/13 17:41	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		03/21/13 17:41	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		03/21/13 17:41	75-27-4	
Bromoform	ND ug/L		1.0	1		03/21/13 17:41	75-25-2	
Bromomethane	ND ug/L		1.0	1		03/21/13 17:41	74-83-9	
Carbon disulfide	ND ug/L		1.0	1		03/21/13 17:41	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		03/21/13 17:41	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		03/21/13 17:41	108-90-7	
Chloroethane	ND ug/L		1.0	1		03/21/13 17:41	75-00-3	
Chloroform	ND ug/L		1.0	1		03/21/13 17:41	67-66-3	
Chloromethane	ND ug/L		1.0	1		03/21/13 17:41	74-87-3	
Dibromochloromethane	ND ug/L		1.0	1		03/21/13 17:41	124-48-1	
Dibromomethane	ND ug/L		1.0	1		03/21/13 17:41	74-95-3	
Ethylbenzene	ND ug/L		1.0	1		03/21/13 17:41	100-41-4	
Iodomethane	ND ug/L		1.0	1		03/21/13 17:41	74-88-4	
Methyl-tert-butyl ether	ND ug/L		1.0	1		03/21/13 17:41	1634-04-4	
Methylene Chloride	ND ug/L		1.0	1		03/21/13 17:41	75-09-2	
Styrene	ND ug/L		1.0	1		03/21/13 17:41	100-42-5	
Tetrachloroethene	ND ug/L		1.0	1		03/21/13 17:41	127-18-4	
Toluene	ND ug/L		1.0	1		03/21/13 17:41	108-88-3	
Trichloroethene	ND ug/L		1.0	1		03/21/13 17:41	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		03/21/13 17:41	75-69-4	
Vinyl acetate	ND ug/L		1.0	1		03/21/13 17:41	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		03/21/13 17:41	75-01-4	
Xylene (Total)	ND ug/L		1.0	1		03/21/13 17:41	1330-20-7	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		03/21/13 17:41	156-59-2	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		03/21/13 17:41	10061-01-5	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		03/21/13 17:41	156-60-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		03/21/13 17:41	10061-02-6	
trans-1,4-Dichloro-2-butene	ND ug/L		1.0	1		03/21/13 17:41	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	100 %		85-115	1		03/21/13 17:41	460-00-4	
1,2-Dichloroethane-d4 (S)	99 %		77-119	1		03/21/13 17:41	17060-07-0	
Toluene-d8 (S)	98 %		85-115	1		03/21/13 17:41	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	2.4 NTU		0.10	1		03/20/13 20:27		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	50.0 mg/L		1.0	1		03/26/13 17:30		

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089861

Sample: CP02 PZM026		Lab ID: 3089861002	Collected: 03/19/13 09:12	Received: 03/20/13 10:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	2350	mg/L	10.0	1		03/21/13 12:45		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	6.5	Std. Units	0.10	1		03/20/13 19:12		H6
9050 Specific Conductance	Analytical Method: EPA 9050							
Specific Conductance	3130	umhos/cm	1.0	1		03/26/13 11:47		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	2.2	mg/L	0.10	1		03/25/13 16:54	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	48.6	mg/L	10.0	1		03/26/13 08:00		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	190	mg/L	60.0	20		03/22/13 08:28	16887-00-6	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	1470	mg/L	19.0	50		03/27/13 11:31	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	ND	mg/L	0.010	1		03/20/13 18:57	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	5.5	mg/L	0.060	1		03/25/13 09:16	14797-55-8	

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089861

Sample: CP05 PZM028	Lab ID: 3089861003	Collected: 03/19/13 13:45	Received: 03/20/13 10:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.) Analytical Method: SM 2340B								
Total Hardness	757 mg/L		2.1	1		03/22/13 13:17		
6010 MET ICP Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Calcium	303000 ug/L		1000	1	03/21/13 12:26	03/22/13 13:17	7440-70-2	
Magnesium	ND ug/L		200	1	03/21/13 12:26	03/22/13 13:17	7439-95-4	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Antimony	ND mg/L		0.010	5	03/21/13 19:42	03/24/13 13:58	7440-36-0	D3
Arsenic	ND mg/L		0.010	5	03/21/13 19:42	03/24/13 13:58	7440-38-2	D3
Barium	0.64 mg/L		0.050	5	03/21/13 19:42	03/24/13 13:58	7440-39-3	
Beryllium	ND mg/L		0.010	5	03/21/13 19:42	03/24/13 13:58	7440-41-7	D3
Cadmium	ND mg/L		0.020	5	03/21/13 19:42	03/24/13 13:58	7440-43-9	D3
Calcium	311 mg/L		4.0	50	03/21/13 19:42	03/24/13 14:03	7440-70-2	
Chromium	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 13:58	7440-47-3	
Cobalt	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 13:58	7440-48-4	D3
Copper	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 13:58	7440-50-8	
Iron	ND mg/L		0.25	5	03/21/13 19:42	03/24/13 13:58	7439-89-6	
Lead	ND mg/L		0.010	5	03/21/13 19:42	03/24/13 13:58	7439-92-1	
Magnesium	0.088 mg/L		0.050	5	03/21/13 19:42	03/24/13 13:58	7439-95-4	
Manganese	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 13:58	7439-96-5	
Nickel	ND mg/L		0.055	5	03/21/13 19:42	03/24/13 13:58	7440-02-0	
Potassium	56.7 mg/L		2.0	5	03/21/13 19:42	03/24/13 13:58	7440-09-7	
Selenium	ND mg/L		0.18	5	03/21/13 19:42	03/24/13 13:58	7782-49-2	D3
Silver	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 13:58	7440-22-4	D3
Sodium	260 mg/L		10.0	50	03/21/13 19:42	03/24/13 14:03	7440-23-5	
Thallium	ND mg/L		0.010	5	03/21/13 19:42	03/24/13 13:58	7440-28-0	D3
Vanadium	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 13:58	7440-62-2	
Zinc	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 13:58	7440-66-6	D3
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND ug/L		0.20	1	03/22/13 09:00	03/25/13 09:24	7439-97-6	
8260 MSV Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/21/13 18:08	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/21/13 18:08	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/21/13 18:08	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/21/13 18:08	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/21/13 18:08	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/21/13 18:08	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/21/13 18:08	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/21/13 18:08	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/21/13 18:08	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/21/13 18:08	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/21/13 18:08	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/21/13 18:08	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/21/13 18:08	106-46-7	

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089861

Sample: CP05 PZM028		Lab ID: 3089861003	Collected: 03/19/13 13:45	Received: 03/20/13 10:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
2-Butanone (MEK)	ND	ug/L	5.0	1		03/21/13 18:08	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		03/21/13 18:08	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/21/13 18:08	108-10-1	
Acetone	ND	ug/L	5.0	1		03/21/13 18:08	67-64-1	
Acrylonitrile	ND	ug/L	2.0	1		03/21/13 18:08	107-13-1	
Benzene	ND	ug/L	1.0	1		03/21/13 18:08	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/21/13 18:08	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/21/13 18:08	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/21/13 18:08	75-25-2	
Bromomethane	5.0	ug/L	1.0	1		03/21/13 18:08	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		03/21/13 18:08	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/21/13 18:08	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/21/13 18:08	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/21/13 18:08	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/21/13 18:08	67-66-3	
Chloromethane	1.3	ug/L	1.0	1		03/21/13 18:08	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/21/13 18:08	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/21/13 18:08	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/21/13 18:08	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/21/13 18:08	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/21/13 18:08	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/21/13 18:08	75-09-2	
Styrene	ND	ug/L	1.0	1		03/21/13 18:08	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/21/13 18:08	127-18-4	
Toluene	ND	ug/L	1.0	1		03/21/13 18:08	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/21/13 18:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/21/13 18:08	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/21/13 18:08	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/21/13 18:08	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/21/13 18:08	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/21/13 18:08	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/21/13 18:08	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/21/13 18:08	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/21/13 18:08	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/21/13 18:08	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	99 %		85-115	1		03/21/13 18:08	460-00-4	
1,2-Dichloroethane-d4 (S)	102 %		77-119	1		03/21/13 18:08	17060-07-0	
Toluene-d8 (S)	95 %		85-115	1		03/21/13 18:08	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	0.28	NTU	0.10	1		03/20/13 20:27		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	770	mg/L	1.0	1		03/26/13 17:30		

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089861

Sample: CP05 PZM028		Lab ID: 3089861003	Collected: 03/19/13 13:45	Received: 03/20/13 10:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	1470	mg/L	10.0	1		03/21/13 12:45		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	12.2	Std. Units	0.10	1		03/20/13 19:12		H6
9050 Specific Conductance	Analytical Method: EPA 9050							
Specific Conductance	5440	umhos/cm	1.0	1		03/26/13 11:47		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	2.5	mg/L	0.10	1		03/25/13 16:55	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	39.9	mg/L	10.0	1		03/26/13 08:00		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	523	mg/L	60.0	20		03/22/13 08:29	16887-00-6	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	33.0	mg/L	0.38	1		03/27/13 11:33	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	2.4	mg/L	0.10	10		03/20/13 19:14	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	0.47	mg/L	0.060	1		03/25/13 09:16	14797-55-8	

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089861

Sample: CP08 PZM008	Lab ID: 3089861004	Collected: 03/19/13 10:09	Received: 03/20/13 10:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)	Analytical Method: SM 2340B							
Total Hardness	940 mg/L		2.1	1		03/22/13 13:21		
6010 MET ICP	Analytical Method: EPA 6010B Preparation Method: EPA 3005							
Calcium	376000 ug/L		1000	1	03/21/13 12:26	03/22/13 13:21	7440-70-2	
Magnesium	ND ug/L		200	1	03/21/13 12:26	03/22/13 13:21	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony	ND mg/L		0.010	5	03/21/13 19:42	03/24/13 14:07	7440-36-0	D3
Arsenic	ND mg/L		0.010	5	03/21/13 19:42	03/24/13 14:07	7440-38-2	D3
Barium	0.061 mg/L		0.050	5	03/21/13 19:42	03/24/13 14:07	7440-39-3	
Beryllium	ND mg/L		0.010	5	03/21/13 19:42	03/24/13 14:07	7440-41-7	D3
Cadmium	ND mg/L		0.020	5	03/21/13 19:42	03/24/13 14:07	7440-43-9	D3
Calcium	389 mg/L		4.0	50	03/21/13 19:42	03/24/13 14:12	7440-70-2	
Chromium	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 14:07	7440-47-3	D3
Cobalt	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 14:07	7440-48-4	D3
Copper	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 14:07	7440-50-8	D3
Iron	ND mg/L		0.25	5	03/21/13 19:42	03/24/13 14:07	7439-89-6	D3
Lead	ND mg/L		0.010	5	03/21/13 19:42	03/24/13 14:07	7439-92-1	D3
Magnesium	0.070 mg/L		0.050	5	03/21/13 19:42	03/24/13 14:07	7439-95-4	
Manganese	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 14:07	7439-96-5	
Nickel	ND mg/L		0.055	5	03/21/13 19:42	03/24/13 14:07	7440-02-0	
Potassium	57.0 mg/L		2.0	5	03/21/13 19:42	03/24/13 14:07	7440-09-7	
Selenium	ND mg/L		0.18	5	03/21/13 19:42	03/24/13 14:07	7782-49-2	D3
Silver	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 14:07	7440-22-4	D3
Sodium	53.0 mg/L		1.0	5	03/21/13 19:42	03/24/13 14:07	7440-23-5	
Thallium	ND mg/L		0.010	5	03/21/13 19:42	03/24/13 14:07	7440-28-0	D3
Vanadium	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 14:07	7440-62-2	
Zinc	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 14:07	7440-66-6	D3
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND ug/L		0.20	1	03/22/13 09:00	03/25/13 09:30	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	1.3 ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	83-32-9	
Acenaphthylene	1.7 ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	208-96-8	
Anthracene	1.5 ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	120-12-7	
Azobenzene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	103-33-3	N2
Benzo(a)anthracene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	56-55-3	
Benzo(a)pyrene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	50-32-8	
Benzo(b)fluoranthene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	191-24-2	
Benzo(k)fluoranthene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	207-08-9	
Benzoic acid	ND ug/L		114	1	03/22/13 09:30	03/25/13 17:33	65-85-0	
Benzyl alcohol	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	100-51-6	
4-Bromophenylphenyl ether	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	101-55-3	
Butylbenzylphthalate	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	85-68-7	

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089861

Sample: CP08 PZM008	Lab ID: 3089861004	Collected: 03/19/13 10:09	Received: 03/20/13 10:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic								
Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Carbazole	5.6 ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	86-74-8	
4-Chloro-3-methylphenol	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	59-50-7	
4-Chloroaniline	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	111-91-1	
bis(2-Chloroethyl) ether	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	108-60-1	
2-Chloronaphthalene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	91-58-7	
2-Chlorophenol	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	95-57-8	
4-Chlorophenylphenyl ether	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	7005-72-3	
Chrysene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	53-70-3	
Dibenzofuran	2.2 ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	132-64-9	
1,2-Dichlorobenzene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	106-46-7	
3,3'-Dichlorobenzidine	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	91-94-1	
2,4-Dichlorophenol	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	120-83-2	
Diethylphthalate	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	84-66-2	
2,4-Dimethylphenol	16.7 ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	105-67-9	
Dimethylphthalate	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	131-11-3	
Di-n-butylphthalate	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/L		2.9	1	03/22/13 09:30	03/25/13 17:33	534-52-1	
2,4-Dinitrophenol	ND ug/L		2.9	1	03/22/13 09:30	03/25/13 17:33	51-28-5	
2,4-Dinitrotoluene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	121-14-2	
2,6-Dinitrotoluene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	606-20-2	
Di-n-octylphthalate	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	117-81-7	
Fluoranthene	2.3 ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	206-44-0	
Fluorene	3.6 ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	86-73-7	
Hexachloro-1,3-butadiene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	87-68-3	
Hexachlorobenzene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	118-74-1	
Hexachlorocyclopentadiene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	77-47-4	
Hexachloroethane	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	193-39-5	
Isophorone	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	78-59-1	
1-Methylnaphthalene	4.7 ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	90-12-0	N2
2-Methylnaphthalene	7.1 ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	91-57-6	
2-Methylphenol(o-Cresol)	9.1 ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	95-48-7	
3&4-Methylphenol(m&p Cresol)	9.8 ug/L		2.3	1	03/22/13 09:30	03/25/13 17:33		
Naphthalene	273 ug/L		22.9	20	03/22/13 09:30	03/26/13 16:31	91-20-3	
2-Nitroaniline	ND ug/L		2.9	1	03/22/13 09:30	03/25/13 17:33	88-74-4	
3-Nitroaniline	ND ug/L		2.9	1	03/22/13 09:30	03/25/13 17:33	99-09-2	
4-Nitroaniline	ND ug/L		2.9	1	03/22/13 09:30	03/25/13 17:33	100-01-6	
Nitrobenzene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	98-95-3	
2-Nitrophenol	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	88-75-5	
4-Nitrophenol	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	100-02-7	
N-Nitrosodimethylamine	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	62-75-9	

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ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089861

Sample: CP08 PZM008	Lab ID: 3089861004	Collected: 03/19/13 10:09	Received: 03/20/13 10:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic								
Analytical Method: EPA 8270 Preparation Method: EPA 3510								
N-Nitroso-di-n-propylamine	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	621-64-7	
N-Nitrosodiphenylamine	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	86-30-6	
Pentachlorophenol	ND ug/L		2.9	1	03/22/13 09:30	03/25/13 17:33	87-86-5	
Phenanthrene	7.5 ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	85-01-8	
Phenol	6.1 ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	108-95-2	
Pyrene	1.5 ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	129-00-0	
1,2,4-Trichlorobenzene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	120-82-1	
2,4,5-Trichlorophenol	ND ug/L		2.9	1	03/22/13 09:30	03/25/13 17:33	95-95-4	
2,4,6-Trichlorophenol	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:33	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	55 %		35-114	1	03/22/13 09:30	03/25/13 17:33	4165-60-0	
2-Fluorobiphenyl (S)	43 %		43-116	1	03/22/13 09:30	03/25/13 17:33	321-60-8	
Terphenyl-d14 (S)	81 %		33-141	1	03/22/13 09:30	03/25/13 17:33	1718-51-0	
Phenol-d6 (S)	18 %		10-110	1	03/22/13 09:30	03/25/13 17:33	13127-88-3	
2-Fluorophenol (S)	19 %		21-110	1	03/22/13 09:30	03/25/13 17:33	367-12-4	S2
2,4,6-Tribromophenol (S)	63 %		10-123	1	03/22/13 09:30	03/25/13 17:33	118-79-6	
8260 MSV								
Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/21/13 18:34	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/21/13 18:34	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/21/13 18:34	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/21/13 18:34	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/21/13 18:34	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/21/13 18:34	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/21/13 18:34	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/21/13 18:34	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/21/13 18:34	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/21/13 18:34	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/21/13 18:34	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/21/13 18:34	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/21/13 18:34	106-46-7	
2-Butanone (MEK)	ND ug/L		5.0	1		03/21/13 18:34	78-93-3	
2-Hexanone	ND ug/L		5.0	1		03/21/13 18:34	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		03/21/13 18:34	108-10-1	
Acetone	ND ug/L		5.0	1		03/21/13 18:34	67-64-1	
Acrylonitrile	ND ug/L		2.0	1		03/21/13 18:34	107-13-1	
Benzene	23900 ug/L		100	100		03/27/13 12:19	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		03/21/13 18:34	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		03/21/13 18:34	75-27-4	
Bromoform	ND ug/L		1.0	1		03/21/13 18:34	75-25-2	
Bromomethane	ND ug/L		1.0	1		03/21/13 18:34	74-83-9	
Carbon disulfide	1.1 ug/L		1.0	1		03/21/13 18:34	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		03/21/13 18:34	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		03/21/13 18:34	108-90-7	
Chloroethane	ND ug/L		1.0	1		03/21/13 18:34	75-00-3	
Chloroform	ND ug/L		1.0	1		03/21/13 18:34	67-66-3	
Chloromethane	1.6 ug/L		1.0	1		03/21/13 18:34	74-87-3	

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ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089861

Sample: CP08 PZM008		Lab ID: 3089861004	Collected: 03/19/13 10:09	Received: 03/20/13 10:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Dibromochloromethane	ND	ug/L	1.0	1		03/21/13 18:34	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/21/13 18:34	74-95-3	
Ethylbenzene	96.5	ug/L	1.0	1		03/21/13 18:34	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/21/13 18:34	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/21/13 18:34	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/21/13 18:34	75-09-2	
Styrene	ND	ug/L	1.0	1		03/21/13 18:34	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/21/13 18:34	127-18-4	
Toluene	5860	ug/L	50.0	50		03/22/13 21:20	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/21/13 18:34	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/21/13 18:34	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/21/13 18:34	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/21/13 18:34	75-01-4	
Xylene (Total)	2760	ug/L	50.0	50		03/22/13 21:20	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/21/13 18:34	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/21/13 18:34	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/21/13 18:34	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/21/13 18:34	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/21/13 18:34	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	103	%	85-115	1		03/21/13 18:34	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	77-119	1		03/21/13 18:34	17060-07-0	
Toluene-d8 (S)	97	%	85-115	1		03/21/13 18:34	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	0.24	NTU	0.10	1		03/20/13 20:27		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	600	mg/L	1.0	1		03/26/13 17:30		
2540C Total Dissolved Solids		Analytical Method: SM 2540C						
Total Dissolved Solids	1490	mg/L	10.0	1		03/21/13 12:45		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	11.9	Std. Units	0.10	1		03/20/13 19:12		H6
9050 Specific Conductance		Analytical Method: EPA 9050						
Specific Conductance	3050	umhos/cm	1.0	1		03/26/13 11:47		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	7.0	mg/L	0.10	1		03/25/13 16:56	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	133	mg/L	10.0	1		03/26/13 08:00		

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089861

Sample: CP08 PZM008		Lab ID: 3089861004	Collected: 03/19/13 10:09	Received: 03/20/13 10:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	85.5	mg/L	60.0	20		03/22/13 08:29	16887-00-6	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	721	mg/L	3.8	10		03/27/13 11:33	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	ND	mg/L	0.010	1		03/20/13 18:57	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	0.19	mg/L	0.060	1		03/25/13 09:16	14797-55-8	

ANALYTICAL RESULTS

Project: Coke Point Landfill

Project No.: 3089861

Sample: CP08 PZM034	Lab ID: 3089861005	Collected: 03/19/13 10:00	Received: 03/20/13 10:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.) Analytical Method: SM 2340B								
Total Hardness	1090	mg/L	2.1	1		03/22/13 13:25		
6010 MET ICP Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Calcium	93100	ug/L	1000	1	03/21/13 12:26	03/22/13 13:25	7440-70-2	
Magnesium	209000	ug/L	200	1	03/21/13 12:26	03/22/13 13:25	7439-95-4	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Antimony	ND	mg/L	0.010	5	03/21/13 19:42	03/24/13 14:35	7440-36-0	D3
Arsenic	ND	mg/L	0.010	5	03/21/13 19:42	03/24/13 14:35	7440-38-2	D3
Barium	0.069	mg/L	0.050	5	03/21/13 19:42	03/24/13 14:35	7440-39-3	
Beryllium	ND	mg/L	0.010	5	03/21/13 19:42	03/24/13 14:35	7440-41-7	D3
Cadmium	ND	mg/L	0.020	5	03/21/13 19:42	03/24/13 14:35	7440-43-9	D3
Calcium	106	mg/L	0.40	5	03/21/13 19:42	03/24/13 14:35	7440-70-2	
Chromium	ND	mg/L	0.050	5	03/21/13 19:42	03/24/13 14:35	7440-47-3	
Cobalt	ND	mg/L	0.050	5	03/21/13 19:42	03/24/13 14:35	7440-48-4	D3
Copper	ND	mg/L	0.050	5	03/21/13 19:42	03/24/13 14:35	7440-50-8	D3
Iron	4.8	mg/L	0.25	5	03/21/13 19:42	03/24/13 14:35	7439-89-6	
Lead	ND	mg/L	0.010	5	03/21/13 19:42	03/24/13 14:35	7439-92-1	D3
Magnesium	217	mg/L	0.50	50	03/21/13 19:42	03/23/13 20:29	7439-95-4	
Manganese	1.9	mg/L	0.050	5	03/21/13 19:42	03/24/13 14:35	7439-96-5	
Nickel	ND	mg/L	0.055	5	03/21/13 19:42	03/24/13 14:35	7440-02-0	D3
Potassium	69.8	mg/L	2.0	5	03/21/13 19:42	03/24/13 14:35	7440-09-7	
Selenium	ND	mg/L	0.18	5	03/21/13 19:42	03/24/13 14:35	7782-49-2	D3
Silver	ND	mg/L	0.050	5	03/21/13 19:42	03/24/13 14:35	7440-22-4	D3
Sodium	2290	mg/L	40.0	200	03/21/13 19:42	03/24/13 14:40	7440-23-5	
Thallium	ND	mg/L	0.010	5	03/21/13 19:42	03/24/13 14:35	7440-28-0	D3
Vanadium	ND	mg/L	0.050	5	03/21/13 19:42	03/24/13 14:35	7440-62-2	
Zinc	ND	mg/L	0.050	5	03/21/13 19:42	03/24/13 14:35	7440-66-6	D3
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	1	03/22/13 09:00	03/25/13 09:32	7439-97-6	
8260 MSV Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/22/13 17:06	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/22/13 17:06	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/22/13 17:06	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/22/13 17:06	79-00-5	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/22/13 17:06	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		03/22/13 17:06	75-35-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/22/13 17:06	96-18-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		03/22/13 17:06	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/22/13 17:06	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/22/13 17:06	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/22/13 17:06	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/22/13 17:06	78-87-5	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/22/13 17:06	106-46-7	

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089861

Sample: CP08 PZM034	Lab ID: 3089861005	Collected: 03/19/13 10:00	Received: 03/20/13 10:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
2-Butanone (MEK)	ND ug/L		5.0	1		03/22/13 17:06	78-93-3	
2-Hexanone	ND ug/L		5.0	1		03/22/13 17:06	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		03/22/13 17:06	108-10-1	
Acetone	ND ug/L		5.0	1		03/22/13 17:06	67-64-1	
Acrylonitrile	ND ug/L		2.0	1		03/22/13 17:06	107-13-1	
Benzene	ND ug/L		1.0	1		03/22/13 17:06	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		03/22/13 17:06	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		03/22/13 17:06	75-27-4	
Bromoform	ND ug/L		1.0	1		03/22/13 17:06	75-25-2	
Bromomethane	ND ug/L		1.0	1		03/22/13 17:06	74-83-9	
Carbon disulfide	ND ug/L		1.0	1		03/22/13 17:06	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		03/22/13 17:06	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		03/22/13 17:06	108-90-7	
Chloroethane	ND ug/L		1.0	1		03/22/13 17:06	75-00-3	
Chloroform	ND ug/L		1.0	1		03/22/13 17:06	67-66-3	
Chloromethane	ND ug/L		1.0	1		03/22/13 17:06	74-87-3	
Dibromochloromethane	ND ug/L		1.0	1		03/22/13 17:06	124-48-1	
Dibromomethane	ND ug/L		1.0	1		03/22/13 17:06	74-95-3	
Ethylbenzene	ND ug/L		1.0	1		03/22/13 17:06	100-41-4	
Iodomethane	ND ug/L		1.0	1		03/22/13 17:06	74-88-4	
Methyl-tert-butyl ether	ND ug/L		1.0	1		03/22/13 17:06	1634-04-4	
Methylene Chloride	ND ug/L		1.0	1		03/22/13 17:06	75-09-2	
Styrene	ND ug/L		1.0	1		03/22/13 17:06	100-42-5	
Tetrachloroethene	ND ug/L		1.0	1		03/22/13 17:06	127-18-4	
Toluene	ND ug/L		1.0	1		03/22/13 17:06	108-88-3	
Trichloroethene	ND ug/L		1.0	1		03/22/13 17:06	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		03/22/13 17:06	75-69-4	
Vinyl acetate	ND ug/L		1.0	1		03/22/13 17:06	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		03/22/13 17:06	75-01-4	
Xylene (Total)	ND ug/L		1.0	1		03/22/13 17:06	1330-20-7	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		03/22/13 17:06	156-59-2	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		03/22/13 17:06	10061-01-5	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		03/22/13 17:06	156-60-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		03/22/13 17:06	10061-02-6	
trans-1,4-Dichloro-2-butene	ND ug/L		1.0	1		03/22/13 17:06	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	103 %		85-115	1		03/22/13 17:06	460-00-4	
1,2-Dichloroethane-d4 (S)	103 %		77-119	1		03/22/13 17:06	17060-07-0	
Toluene-d8 (S)	98 %		85-115	1		03/22/13 17:06	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	44.4 NTU		0.20	2		03/20/13 20:27		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	700 mg/L		1.0	1		03/26/13 17:30		

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089861

Sample: CP08 PZM034		Lab ID: 3089861005		Collected: 03/19/13 10:00	Received: 03/20/13 10:25	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	6300	mg/L	10.0	1		03/21/13 12:45		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	7.5	Std. Units	0.10	1		03/20/13 19:12		H6
9050 Specific Conductance	Analytical Method: EPA 9050							
Specific Conductance	12700	umhos/cm	1.0	1		03/26/13 11:47		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	42.2	mg/L	1.0	10		03/25/13 16:57	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	353	mg/L	10.0	1		03/26/13 08:00		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	6950	mg/L	300	100		03/22/13 08:43	16887-00-6	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	11.1	mg/L	0.38	1		03/27/13 11:35	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	ND	mg/L	0.010	1		03/20/13 18:58	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	ND	mg/L	0.060	1		03/25/13 09:16	14797-55-8	

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089861

Sample: CP10 PZM008	Lab ID: 3089861006	Collected: 03/19/13 13:19	Received: 03/20/13 10:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)	Analytical Method: SM 2340B							
Total Hardness	1890	mg/L	2.1	1		03/22/13 13:36		
6010 MET ICP	Analytical Method: EPA 6010B Preparation Method: EPA 3005							
Calcium	756000	ug/L	1000	1	03/21/13 12:26	03/22/13 13:36	7440-70-2	
Magnesium	ND	ug/L	200	1	03/21/13 12:26	03/22/13 13:36	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony	ND	mg/L	0.010	5	03/21/13 19:42	03/24/13 14:16	7440-36-0	
Arsenic	ND	mg/L	0.010	5	03/21/13 19:42	03/24/13 14:16	7440-38-2	
Barium	0.88	mg/L	0.050	5	03/21/13 19:42	03/24/13 14:16	7440-39-3	
Beryllium	ND	mg/L	0.010	5	03/21/13 19:42	03/24/13 14:16	7440-41-7	D3
Cadmium	ND	mg/L	0.020	5	03/21/13 19:42	03/24/13 14:16	7440-43-9	D3
Calcium	750	mg/L	4.0	50	03/21/13 19:42	03/24/13 14:21	7440-70-2	
Chromium	ND	mg/L	0.050	5	03/21/13 19:42	03/24/13 14:16	7440-47-3	
Cobalt	ND	mg/L	0.050	5	03/21/13 19:42	03/24/13 14:16	7440-48-4	D3
Copper	ND	mg/L	0.050	5	03/21/13 19:42	03/24/13 14:16	7440-50-8	
Iron	0.43	mg/L	0.25	5	03/21/13 19:42	03/24/13 14:16	7439-89-6	
Lead	ND	mg/L	0.010	5	03/21/13 19:42	03/24/13 14:16	7439-92-1	
Magnesium	0.089	mg/L	0.050	5	03/21/13 19:42	03/24/13 14:16	7439-95-4	
Manganese	ND	mg/L	0.050	5	03/21/13 19:42	03/24/13 14:16	7439-96-5	
Nickel	ND	mg/L	0.055	5	03/21/13 19:42	03/24/13 14:16	7440-02-0	
Potassium	202	mg/L	19.5	50	03/21/13 19:42	03/24/13 14:21	7440-09-7	
Selenium	ND	mg/L	0.18	5	03/21/13 19:42	03/24/13 14:16	7782-49-2	D3
Silver	ND	mg/L	0.050	5	03/21/13 19:42	03/24/13 14:16	7440-22-4	D3
Sodium	336	mg/L	10.0	50	03/21/13 19:42	03/24/13 14:21	7440-23-5	
Thallium	ND	mg/L	0.010	5	03/21/13 19:42	03/24/13 14:16	7440-28-0	D3
Vanadium	ND	mg/L	0.050	5	03/21/13 19:42	03/24/13 14:16	7440-62-2	D3
Zinc	ND	mg/L	0.050	5	03/21/13 19:42	03/24/13 14:16	7440-66-6	D3
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	0.30	ug/L	0.20	1	03/22/13 09:00	03/25/13 09:35	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/21/13 19:28	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/21/13 19:28	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/21/13 19:28	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/21/13 19:28	79-00-5	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/21/13 19:28	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		03/21/13 19:28	75-35-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/21/13 19:28	96-18-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		03/21/13 19:28	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/21/13 19:28	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/21/13 19:28	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/21/13 19:28	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/21/13 19:28	78-87-5	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/21/13 19:28	106-46-7	

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089861

Sample: CP10 PZM008		Lab ID: 3089861006	Collected: 03/19/13 13:19	Received: 03/20/13 10:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
2-Butanone (MEK)	33.0	ug/L	5.0	1		03/21/13 19:28	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		03/21/13 19:28	591-78-6	
4-Methyl-2-pentanone (MIBK)	6.5	ug/L	5.0	1		03/21/13 19:28	108-10-1	
Acetone	354	ug/L	5.0	1		03/21/13 19:28	67-64-1	
Acrylonitrile	ND	ug/L	2.0	1		03/21/13 19:28	107-13-1	
Benzene	12.1	ug/L	1.0	1		03/21/13 19:28	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/21/13 19:28	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/21/13 19:28	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/21/13 19:28	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/21/13 19:28	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		03/21/13 19:28	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/21/13 19:28	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/21/13 19:28	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/21/13 19:28	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/21/13 19:28	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/21/13 19:28	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/21/13 19:28	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/21/13 19:28	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/21/13 19:28	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/21/13 19:28	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/21/13 19:28	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/21/13 19:28	75-09-2	
Styrene	ND	ug/L	1.0	1		03/21/13 19:28	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/21/13 19:28	127-18-4	
Toluene	6.7	ug/L	1.0	1		03/21/13 19:28	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/21/13 19:28	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/21/13 19:28	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/21/13 19:28	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/21/13 19:28	75-01-4	
Xylene (Total)	8.1	ug/L	1.0	1		03/21/13 19:28	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/21/13 19:28	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/21/13 19:28	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/21/13 19:28	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/21/13 19:28	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/21/13 19:28	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	99 %		85-115	1		03/21/13 19:28	460-00-4	
1,2-Dichloroethane-d4 (S)	104 %		77-119	1		03/21/13 19:28	17060-07-0	
Toluene-d8 (S)	92 %		85-115	1		03/21/13 19:28	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	1.6	NTU	0.10	1		03/20/13 20:27		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	1700	mg/L	1.0	1		03/26/13 17:30		

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089861

Sample: CP10 PZM008		Lab ID: 3089861006		Collected: 03/19/13 13:19	Received: 03/20/13 10:25	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	2960	mg/L	10.0	1		03/21/13 12:45		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	12.6	Std. Units	0.10	1		03/20/13 19:12		H6
9050 Specific Conductance	Analytical Method: EPA 9050							
Specific Conductance	12200	umhos/cm	1.0	1		03/26/13 11:47		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	42.0	mg/L	1.0	10		03/25/13 16:58	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	155	mg/L	10.0	1		03/26/13 08:00		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	775	mg/L	60.0	20		03/22/13 08:31	16887-00-6	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	67.6	mg/L	0.38	1		03/27/13 11:36	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	2.5	mg/L	0.10	10		03/20/13 19:15	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	ND	mg/L	0.060	1		03/25/13 09:16	14797-55-8	

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089861

Sample: CP12 PZM012	Lab ID: 3089861007	Collected: 03/19/13 12:19	Received: 03/20/13 10:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)	Analytical Method: SM 2340B							
Total Hardness	1140 mg/L		2.1	1		03/22/13 13:54		
6010 MET ICP	Analytical Method: EPA 6010B Preparation Method: EPA 3005							
Calcium	446000 ug/L		1000	1	03/21/13 12:26	03/22/13 13:54	7440-70-2	
Magnesium	7780 ug/L		200	1	03/21/13 12:26	03/22/13 13:54	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony	ND mg/L		0.010	5	03/21/13 19:42	03/24/13 15:01	7440-36-0	D3
Arsenic	ND mg/L		0.010	5	03/21/13 19:42	03/24/13 15:01	7440-38-2	D3
Barium	0.092 mg/L		0.050	5	03/21/13 19:42	03/24/13 15:01	7440-39-3	
Beryllium	ND mg/L		0.010	5	03/21/13 19:42	03/24/13 15:01	7440-41-7	D3
Cadmium	ND mg/L		0.020	5	03/21/13 19:42	03/24/13 15:01	7440-43-9	D3
Calcium	484 mg/L		16.0	200	03/21/13 19:42	03/24/13 15:06	7440-70-2	
Chromium	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 15:01	7440-47-3	
Cobalt	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 15:01	7440-48-4	D3
Copper	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 15:01	7440-50-8	D3
Iron	ND mg/L		0.25	5	03/21/13 19:42	03/24/13 15:01	7439-89-6	D3
Lead	ND mg/L		0.010	5	03/21/13 19:42	03/24/13 15:01	7439-92-1	D3
Magnesium	7.0 mg/L		0.050	5	03/21/13 19:42	03/24/13 15:01	7439-95-4	
Manganese	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 15:01	7439-96-5	
Nickel	ND mg/L		0.055	5	03/21/13 19:42	03/24/13 15:01	7440-02-0	D3
Potassium	68.7 mg/L		2.0	5	03/21/13 19:42	03/24/13 15:01	7440-09-7	
Selenium	ND mg/L		0.18	5	03/21/13 19:42	03/24/13 15:01	7782-49-2	D3
Silver	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 15:01	7440-22-4	D3
Sodium	2010 mg/L		40.0	200	03/21/13 19:42	03/24/13 15:06	7440-23-5	
Thallium	ND mg/L		0.010	5	03/21/13 19:42	03/24/13 15:01	7440-28-0	D3
Vanadium	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 15:01	7440-62-2	
Zinc	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 15:01	7440-66-6	D3
6020 MET ICPMS, Dissolved	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony, Dissolved	ND mg/L		0.010	5	03/21/13 19:06	03/24/13 09:17	7440-36-0	D3
Arsenic, Dissolved	ND mg/L		0.010	5	03/21/13 19:06	03/24/13 09:17	7440-38-2	D3
Barium, Dissolved	0.093 mg/L		0.050	5	03/21/13 19:06	03/24/13 09:17	7440-39-3	
Beryllium, Dissolved	ND mg/L		0.010	5	03/21/13 19:06	03/24/13 09:17	7440-41-7	D3
Cadmium, Dissolved	ND mg/L		0.020	5	03/21/13 19:06	03/24/13 09:17	7440-43-9	D3
Calcium, Dissolved	419 mg/L		8.0	100	03/21/13 19:06	03/24/13 09:22	7440-70-2	
Chromium, Dissolved	ND mg/L		0.050	5	03/21/13 19:06	03/24/13 09:17	7440-47-3	
Cobalt, Dissolved	ND mg/L		0.050	5	03/21/13 19:06	03/24/13 09:17	7440-48-4	D3
Copper, Dissolved	ND mg/L		0.050	5	03/21/13 19:06	03/24/13 09:17	7440-50-8	D3
Iron, Dissolved	ND mg/L		0.25	5	03/21/13 19:06	03/24/13 09:17	7439-89-6	D3
Lead, Dissolved	ND mg/L		0.010	5	03/21/13 19:06	03/24/13 09:17	7439-92-1	D3
Magnesium, Dissolved	6.0 mg/L		0.025	5	03/21/13 19:06	03/24/13 09:17	7439-95-4	
Manganese, Dissolved	ND mg/L		0.050	5	03/21/13 19:06	03/24/13 09:17	7439-96-5	D3
Nickel, Dissolved	ND mg/L		0.055	5	03/21/13 19:06	03/24/13 09:17	7440-02-0	D3
Potassium, Dissolved	69.9 mg/L		2.0	5	03/21/13 19:06	03/24/13 09:17	7440-09-7	
Selenium, Dissolved	ND mg/L		0.18	5	03/21/13 19:06	03/24/13 09:17	7782-49-2	D3

Date: 03/27/2013 05:03 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089861

Sample: CP12 PZM012	Lab ID: 3089861007	Collected: 03/19/13 12:19	Received: 03/20/13 10:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS, Dissolved								
Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Silver, Dissolved	ND mg/L		0.050	5	03/21/13 19:06	03/24/13 09:17	7440-22-4	D3
Sodium, Dissolved	1720 mg/L		20.0	100	03/21/13 19:06	03/24/13 09:22	7440-23-5	
Thallium, Dissolved	ND mg/L		0.010	5	03/21/13 19:06	03/24/13 09:17	7440-28-0	D3
Vanadium, Dissolved	ND mg/L		0.050	5	03/21/13 19:06	03/24/13 09:17	7440-62-2	
Zinc, Dissolved	ND mg/L		0.050	5	03/21/13 19:06	03/24/13 09:17	7440-66-6	D3
7470 Mercury								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND ug/L		0.20	1	03/22/13 09:00	03/25/13 09:37	7439-97-6	
7470 Mercury, Dissolved								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	ND ug/L		0.20	1	03/21/13 19:44	03/22/13 12:33	7439-97-6	
8260 MSV								
Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/21/13 19:54	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/21/13 19:54	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/21/13 19:54	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/21/13 19:54	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/21/13 19:54	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/21/13 19:54	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/21/13 19:54	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/21/13 19:54	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/21/13 19:54	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/21/13 19:54	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/21/13 19:54	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/21/13 19:54	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/21/13 19:54	106-46-7	
2-Butanone (MEK)	ND ug/L		5.0	1		03/21/13 19:54	78-93-3	
2-Hexanone	ND ug/L		5.0	1		03/21/13 19:54	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		03/21/13 19:54	108-10-1	
Acetone	ND ug/L		5.0	1		03/21/13 19:54	67-64-1	
Acrylonitrile	ND ug/L		2.0	1		03/21/13 19:54	107-13-1	
Benzene	16.5 ug/L		1.0	1		03/21/13 19:54	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		03/21/13 19:54	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		03/21/13 19:54	75-27-4	
Bromoform	ND ug/L		1.0	1		03/21/13 19:54	75-25-2	
Bromomethane	ND ug/L		1.0	1		03/21/13 19:54	74-83-9	
Carbon disulfide	ND ug/L		1.0	1		03/21/13 19:54	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		03/21/13 19:54	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		03/21/13 19:54	108-90-7	
Chloroethane	ND ug/L		1.0	1		03/21/13 19:54	75-00-3	
Chloroform	ND ug/L		1.0	1		03/21/13 19:54	67-66-3	
Chloromethane	ND ug/L		1.0	1		03/21/13 19:54	74-87-3	
Dibromochloromethane	ND ug/L		1.0	1		03/21/13 19:54	124-48-1	
Dibromomethane	ND ug/L		1.0	1		03/21/13 19:54	74-95-3	
Ethylbenzene	ND ug/L		1.0	1		03/21/13 19:54	100-41-4	
Iodomethane	ND ug/L		1.0	1		03/21/13 19:54	74-88-4	

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089861

Sample: CP12 PZM012		Lab ID: 3089861007	Collected: 03/19/13 12:19	Received: 03/20/13 10:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/21/13 19:54	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/21/13 19:54	75-09-2	
Styrene	ND	ug/L	1.0	1		03/21/13 19:54	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/21/13 19:54	127-18-4	
Toluene	1.9	ug/L	1.0	1		03/21/13 19:54	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/21/13 19:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/21/13 19:54	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/21/13 19:54	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/21/13 19:54	75-01-4	
Xylene (Total)	3.6	ug/L	1.0	1		03/21/13 19:54	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/21/13 19:54	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/21/13 19:54	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/21/13 19:54	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/21/13 19:54	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/21/13 19:54	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	94 %		85-115	1		03/21/13 19:54	460-00-4	
1,2-Dichloroethane-d4 (S)	97 %		77-119	1		03/21/13 19:54	17060-07-0	
Toluene-d8 (S)	93 %		85-115	1		03/21/13 19:54	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	10.6	NTU	0.10	1		03/20/13 20:27		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	128	mg/L	1.0	1		03/26/13 17:30		
2540C Total Dissolved Solids		Analytical Method: SM 2540C						
Total Dissolved Solids	5960	mg/L	10.0	1		03/21/13 12:45		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	11.4	Std. Units	0.10	1		03/20/13 19:12		H6
9050 Specific Conductance		Analytical Method: EPA 9050						
Specific Conductance	12700	umhos/cm	1.0	1		03/26/13 11:47		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	2.4	mg/L	1.0	10		03/25/13 16:59	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	201	mg/L	10.0	1		03/26/13 08:00		
4500 Chloride		Analytical Method: SM 4500-Cl-E						
Chloride	4670	mg/L	150	50		03/22/13 08:44	16887-00-6	

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089861

Sample: CP12 PZM012		Lab ID: 3089861007		Collected: 03/19/13 12:19	Received: 03/20/13 10:25	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
ASTM D516-9002 Sulfate Water		Analytical Method: ASTM D516-90,02						
Sulfate	463	mg/L	3.8	10		03/27/13 11:37	14808-79-8	
SM4500NO2-B, Nitrite, unpres		Analytical Method: SM 4500-NO2 B						
Nitrite as N	0.52	mg/L	0.10	10		03/20/13 19:15	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd		Analytical Method: SM 4500-NO3 F						
Nitrate as N	0.062	mg/L	0.060	1		03/25/13 09:16	14797-55-8	

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089861

Sample: CP12 PZM052	Lab ID: 3089861008	Collected: 03/19/13 12:13	Received: 03/20/13 10:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)	Analytical Method: SM 2340B							
Total Hardness	1380 mg/L		2.1	1		03/22/13 13:58		
6010 MET ICP	Analytical Method: EPA 6010B Preparation Method: EPA 3005							
Calcium	123000 ug/L		1000	1	03/21/13 12:26	03/22/13 13:58	7440-70-2	
Magnesium	261000 ug/L		200	1	03/21/13 12:26	03/22/13 13:58	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony	ND mg/L		0.010	5	03/21/13 19:42	03/24/13 15:11	7440-36-0	D3
Arsenic	0.014 mg/L		0.010	5	03/21/13 19:42	03/24/13 15:11	7440-38-2	
Barium	0.082 mg/L		0.050	5	03/21/13 19:42	03/24/13 15:11	7440-39-3	
Beryllium	ND mg/L		0.010	5	03/21/13 19:42	03/24/13 15:11	7440-41-7	D3
Cadmium	ND mg/L		0.020	5	03/21/13 19:42	03/24/13 15:11	7440-43-9	D3
Calcium	111 mg/L		16.0	200	03/21/13 19:42	03/25/13 09:28	7440-70-2	
Chromium	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 15:11	7440-47-3	D3
Cobalt	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 15:11	7440-48-4	D3
Copper	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 15:11	7440-50-8	D3
Iron	0.95 mg/L		0.25	5	03/21/13 19:42	03/24/13 15:11	7439-89-6	
Lead	ND mg/L		0.010	5	03/21/13 19:42	03/24/13 15:11	7439-92-1	D3
Magnesium	249 mg/L		0.50	50	03/21/13 19:42	03/23/13 21:13	7439-95-4	
Manganese	0.60 mg/L		0.050	5	03/21/13 19:42	03/24/13 15:11	7439-96-5	
Nickel	ND mg/L		0.055	5	03/21/13 19:42	03/24/13 15:11	7440-02-0	D3
Potassium	77.3 mg/L		2.0	5	03/21/13 19:42	03/24/13 15:11	7440-09-7	
Selenium	ND mg/L		0.18	5	03/21/13 19:42	03/24/13 15:11	7782-49-2	D3
Silver	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 15:11	7440-22-4	D3
Sodium	2250 mg/L		40.0	200	03/21/13 19:42	03/25/13 09:28	7440-23-5	
Thallium	ND mg/L		0.010	5	03/21/13 19:42	03/24/13 15:11	7440-28-0	D3
Vanadium	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 15:11	7440-62-2	
Zinc	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 15:11	7440-66-6	D3
6020 MET ICPMS, Dissolved	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony, Dissolved	ND mg/L		0.010	5	03/21/13 19:06	03/24/13 09:27	7440-36-0	D3
Arsenic, Dissolved	0.012 mg/L		0.010	5	03/21/13 19:06	03/24/13 09:27	7440-38-2	
Barium, Dissolved	0.076 mg/L		0.050	5	03/21/13 19:06	03/24/13 09:27	7440-39-3	
Beryllium, Dissolved	ND mg/L		0.010	5	03/21/13 19:06	03/24/13 09:27	7440-41-7	D3
Cadmium, Dissolved	ND mg/L		0.020	5	03/21/13 19:06	03/24/13 09:27	7440-43-9	D3
Calcium, Dissolved	137 mg/L		16.0	200	03/21/13 19:06	03/24/13 09:31	7440-70-2	
Chromium, Dissolved	ND mg/L		0.050	5	03/21/13 19:06	03/24/13 09:27	7440-47-3	D3
Cobalt, Dissolved	ND mg/L		0.050	5	03/21/13 19:06	03/24/13 09:27	7440-48-4	D3
Copper, Dissolved	ND mg/L		0.050	5	03/21/13 19:06	03/24/13 09:27	7440-50-8	D3
Iron, Dissolved	0.89 mg/L		0.25	5	03/21/13 19:06	03/24/13 09:27	7439-89-6	
Lead, Dissolved	ND mg/L		0.010	5	03/21/13 19:06	03/24/13 09:27	7439-92-1	D3
Magnesium, Dissolved	254 mg/L		0.25	50	03/21/13 19:06	03/23/13 16:15	7439-95-4	
Manganese, Dissolved	0.57 mg/L		0.050	5	03/21/13 19:06	03/24/13 09:27	7439-96-5	
Nickel, Dissolved	ND mg/L		0.055	5	03/21/13 19:06	03/24/13 09:27	7440-02-0	D3
Potassium, Dissolved	75.5 mg/L		2.0	5	03/21/13 19:06	03/24/13 09:27	7440-09-7	
Selenium, Dissolved	ND mg/L		0.18	5	03/21/13 19:06	03/24/13 09:27	7782-49-2	D3

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089861

Sample: CP12 PZM052	Lab ID: 3089861008	Collected: 03/19/13 12:13	Received: 03/20/13 10:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS, Dissolved								
Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Silver, Dissolved	ND mg/L		0.050	5	03/21/13 19:06	03/24/13 09:27	7440-22-4	D3
Sodium, Dissolved	2330 mg/L		40.0	200	03/21/13 19:06	03/24/13 09:31	7440-23-5	
Thallium, Dissolved	ND mg/L		0.010	5	03/21/13 19:06	03/24/13 09:27	7440-28-0	D3
Vanadium, Dissolved	ND mg/L		0.050	5	03/21/13 19:06	03/24/13 09:27	7440-62-2	
Zinc, Dissolved	ND mg/L		0.050	5	03/21/13 19:06	03/24/13 09:27	7440-66-6	D3
7470 Mercury								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND ug/L		0.20	1	03/22/13 09:00	03/25/13 09:39	7439-97-6	
7470 Mercury, Dissolved								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	ND ug/L		0.20	1	03/21/13 19:44	03/22/13 12:35	7439-97-6	
8260 MSV								
Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/21/13 20:21	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/21/13 20:21	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/21/13 20:21	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/21/13 20:21	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/21/13 20:21	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/21/13 20:21	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/21/13 20:21	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/21/13 20:21	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/21/13 20:21	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/21/13 20:21	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/21/13 20:21	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/21/13 20:21	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/21/13 20:21	106-46-7	
2-Butanone (MEK)	ND ug/L		5.0	1		03/21/13 20:21	78-93-3	
2-Hexanone	ND ug/L		5.0	1		03/21/13 20:21	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		03/21/13 20:21	108-10-1	
Acetone	ND ug/L		5.0	1		03/21/13 20:21	67-64-1	
Acrylonitrile	ND ug/L		2.0	1		03/21/13 20:21	107-13-1	
Benzene	ND ug/L		1.0	1		03/21/13 20:21	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		03/21/13 20:21	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		03/21/13 20:21	75-27-4	
Bromoform	ND ug/L		1.0	1		03/21/13 20:21	75-25-2	
Bromomethane	ND ug/L		1.0	1		03/21/13 20:21	74-83-9	
Carbon disulfide	ND ug/L		1.0	1		03/21/13 20:21	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		03/21/13 20:21	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		03/21/13 20:21	108-90-7	
Chloroethane	ND ug/L		1.0	1		03/21/13 20:21	75-00-3	
Chloroform	ND ug/L		1.0	1		03/21/13 20:21	67-66-3	
Chloromethane	ND ug/L		1.0	1		03/21/13 20:21	74-87-3	
Dibromochloromethane	ND ug/L		1.0	1		03/21/13 20:21	124-48-1	
Dibromomethane	ND ug/L		1.0	1		03/21/13 20:21	74-95-3	
Ethylbenzene	ND ug/L		1.0	1		03/21/13 20:21	100-41-4	
Iodomethane	ND ug/L		1.0	1		03/21/13 20:21	74-88-4	

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089861

Sample: CP12 PZM052		Lab ID: 3089861008	Collected: 03/19/13 12:13	Received: 03/20/13 10:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/21/13 20:21	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/21/13 20:21	75-09-2	
Styrene	ND	ug/L	1.0	1		03/21/13 20:21	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/21/13 20:21	127-18-4	
Toluene	ND	ug/L	1.0	1		03/21/13 20:21	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/21/13 20:21	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/21/13 20:21	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/21/13 20:21	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/21/13 20:21	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/21/13 20:21	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/21/13 20:21	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/21/13 20:21	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/21/13 20:21	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/21/13 20:21	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/21/13 20:21	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	103 %		85-115	1		03/21/13 20:21	460-00-4	
1,2-Dichloroethane-d4 (S)	104 %		77-119	1		03/21/13 20:21	17060-07-0	
Toluene-d8 (S)	97 %		85-115	1		03/21/13 20:21	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	3.4	NTU	0.10	1		03/20/13 20:27		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	400	mg/L	1.0	1		03/26/13 17:30		
2540C Total Dissolved Solids		Analytical Method: SM 2540C						
Total Dissolved Solids	7080	mg/L	10.0	1		03/21/13 12:45		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	8.2	Std. Units	0.10	1		03/20/13 19:12		H6
9050 Specific Conductance		Analytical Method: EPA 9050						
Specific Conductance	13500	umhos/cm	1.0	1		03/26/13 11:47		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	2.4	mg/L	0.10	1		03/25/13 17:00	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	244	mg/L	10.0	1		03/26/13 08:00		
4500 Chloride		Analytical Method: SM 4500-Cl-E						
Chloride	4820	mg/L	300	100		03/22/13 08:51	16887-00-6	

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089861

Sample: CP12 PZM052		Lab ID: 3089861008		Collected: 03/19/13 12:13	Received: 03/20/13 10:25	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
ASTM D516-9002 Sulfate Water		Analytical Method: ASTM D516-90,02						
Sulfate	306 mg/L		3.8	10		03/27/13 11:38	14808-79-8	
SM4500NO2-B, Nitrite, unpres		Analytical Method: SM 4500-NO2 B						
Nitrite as N	ND mg/L		0.010	1		03/20/13 19:00	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd		Analytical Method: SM 4500-NO3 F						
Nitrate as N	ND mg/L		0.060	1		03/25/13 09:16	14797-55-8	

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089861

Sample: CP16 PZM035	Lab ID: 3089861009	Collected: 03/19/13 10:55	Received: 03/20/13 10:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)	Analytical Method: SM 2340B							
Total Hardness	2310 mg/L		2.1	1		03/22/13 14:02		
6010 MET ICP	Analytical Method: EPA 6010B Preparation Method: EPA 3005							
Calcium	923000 ug/L		1000	1	03/21/13 12:26	03/22/13 14:02	7440-70-2	
Magnesium	ND ug/L		200	1	03/21/13 12:26	03/22/13 14:02	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony	ND mg/L		0.010	5	03/21/13 19:42	03/24/13 14:26	7440-36-0	D3
Arsenic	ND mg/L		0.010	5	03/21/13 19:42	03/24/13 14:26	7440-38-2	D3
Barium	0.76 mg/L		0.050	5	03/21/13 19:42	03/24/13 14:26	7440-39-3	
Beryllium	ND mg/L		0.010	5	03/21/13 19:42	03/24/13 14:26	7440-41-7	D3
Cadmium	ND mg/L		0.020	5	03/21/13 19:42	03/24/13 14:26	7440-43-9	D3
Calcium	792 mg/L		4.0	50	03/21/13 19:42	03/25/13 09:24	7440-70-2	
Chromium	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 14:26	7440-47-3	D3
Cobalt	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 14:26	7440-48-4	D3
Copper	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 14:26	7440-50-8	D3
Iron	ND mg/L		0.25	5	03/21/13 19:42	03/24/13 14:26	7439-89-6	D3
Lead	ND mg/L		0.010	5	03/21/13 19:42	03/24/13 14:26	7439-92-1	D3
Magnesium	0.12 mg/L		0.050	5	03/21/13 19:42	03/24/13 14:26	7439-95-4	
Manganese	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 14:26	7439-96-5	D3
Nickel	ND mg/L		0.055	5	03/21/13 19:42	03/24/13 14:26	7440-02-0	
Potassium	60.2 mg/L		2.0	5	03/21/13 19:42	03/24/13 14:26	7440-09-7	
Selenium	ND mg/L		0.18	5	03/21/13 19:42	03/24/13 14:26	7782-49-2	D3
Silver	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 14:26	7440-22-4	D3
Sodium	141 mg/L		10.0	50	03/21/13 19:42	03/25/13 09:24	7440-23-5	
Thallium	ND mg/L		0.010	5	03/21/13 19:42	03/24/13 14:26	7440-28-0	D3
Vanadium	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 14:26	7440-62-2	D3
Zinc	ND mg/L		0.050	5	03/21/13 19:42	03/24/13 14:26	7440-66-6	D3
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND ug/L		0.20	1	03/22/13 09:00	03/25/13 09:41	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	3.2 ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	83-32-9	
Acenaphthylene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	208-96-8	
Anthracene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	120-12-7	
Azobenzene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	103-33-3	N2
Benzo(a)anthracene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	56-55-3	
Benzo(a)pyrene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	50-32-8	
Benzo(b)fluoranthene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	191-24-2	
Benzo(k)fluoranthene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	207-08-9	
Benzoic acid	ND ug/L		106	1	03/22/13 09:30	03/25/13 17:56	65-85-0	
Benzyl alcohol	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	100-51-6	
4-Bromophenylphenyl ether	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	101-55-3	
Butylbenzylphthalate	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	85-68-7	

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089861

Sample: CP16 PZM035	Lab ID: 3089861009	Collected: 03/19/13 10:55	Received: 03/20/13 10:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic								
Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Carbazole	3.9 ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	86-74-8	
4-Chloro-3-methylphenol	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	59-50-7	
4-Chloroaniline	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	111-91-1	
bis(2-Chloroethyl) ether	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	108-60-1	
2-Chloronaphthalene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	91-58-7	
2-Chlorophenol	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	95-57-8	
4-Chlorophenylphenyl ether	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	7005-72-3	
Chrysene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	53-70-3	
Dibenzofuran	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	132-64-9	
1,2-Dichlorobenzene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	106-46-7	
3,3'-Dichlorobenzidine	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	91-94-1	
2,4-Dichlorophenol	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	120-83-2	
Diethylphthalate	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	84-66-2	
2,4-Dimethylphenol	6.1 ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	105-67-9	
Dimethylphthalate	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	131-11-3	
Di-n-butylphthalate	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/L		2.7	1	03/22/13 09:30	03/25/13 17:56	534-52-1	
2,4-Dinitrophenol	ND ug/L		2.7	1	03/22/13 09:30	03/25/13 17:56	51-28-5	
2,4-Dinitrotoluene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	121-14-2	
2,6-Dinitrotoluene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	606-20-2	
Di-n-octylphthalate	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	117-81-7	
Fluoranthene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	206-44-0	
Fluorene	1.5 ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	86-73-7	
Hexachloro-1,3-butadiene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	87-68-3	
Hexachlorobenzene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	118-74-1	
Hexachlorocyclopentadiene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	77-47-4	
Hexachloroethane	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	193-39-5	
Isophorone	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	78-59-1	
1-Methylnaphthalene	1.5 ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	90-12-0	N2
2-Methylnaphthalene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	91-57-6	
2-Methylphenol(o-Cresol)	3.4 ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	95-48-7	
3&4-Methylphenol(m&p Cresol)	7.3 ug/L		2.1	1	03/22/13 09:30	03/25/13 17:56		
Naphthalene	49.7 ug/L		5.3	5	03/22/13 09:30	03/26/13 16:54	91-20-3	
2-Nitroaniline	ND ug/L		2.7	1	03/22/13 09:30	03/25/13 17:56	88-74-4	
3-Nitroaniline	ND ug/L		2.7	1	03/22/13 09:30	03/25/13 17:56	99-09-2	
4-Nitroaniline	ND ug/L		2.7	1	03/22/13 09:30	03/25/13 17:56	100-01-6	
Nitrobenzene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	98-95-3	
2-Nitrophenol	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	88-75-5	
4-Nitrophenol	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	100-02-7	
N-Nitrosodimethylamine	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	62-75-9	

Date: 03/27/2013 05:03 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089861

Sample: CP16 PZM035	Lab ID: 3089861009	Collected: 03/19/13 10:55	Received: 03/20/13 10:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic								
Analytical Method: EPA 8270 Preparation Method: EPA 3510								
N-Nitroso-di-n-propylamine	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	621-64-7	
N-Nitrosodiphenylamine	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	86-30-6	
Pentachlorophenol	ND ug/L		2.7	1	03/22/13 09:30	03/25/13 17:56	87-86-5	
Phenanthrene	4.0 ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	85-01-8	
Phenol	40.6 ug/L		5.3	5	03/22/13 09:30	03/26/13 16:54	108-95-2	
Pyrene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	129-00-0	
1,2,4-Trichlorobenzene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	120-82-1	
2,4,5-Trichlorophenol	ND ug/L		2.7	1	03/22/13 09:30	03/25/13 17:56	95-95-4	
2,4,6-Trichlorophenol	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 17:56	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	49 %		35-114	1	03/22/13 09:30	03/25/13 17:56	4165-60-0	
2-Fluorobiphenyl (S)	45 %		43-116	1	03/22/13 09:30	03/25/13 17:56	321-60-8	
Terphenyl-d14 (S)	72 %		33-141	1	03/22/13 09:30	03/25/13 17:56	1718-51-0	
Phenol-d6 (S)	17 %		10-110	1	03/22/13 09:30	03/25/13 17:56	13127-88-3	
2-Fluorophenol (S)	26 %		21-110	1	03/22/13 09:30	03/25/13 17:56	367-12-4	
2,4,6-Tribromophenol (S)	53 %		10-123	1	03/22/13 09:30	03/25/13 17:56	118-79-6	
8260 MSV								
Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/21/13 20:48	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/21/13 20:48	71-55-6	
1,1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/21/13 20:48	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/21/13 20:48	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/21/13 20:48	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/21/13 20:48	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/21/13 20:48	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/21/13 20:48	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/21/13 20:48	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/21/13 20:48	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/21/13 20:48	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/21/13 20:48	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/21/13 20:48	106-46-7	
2-Butanone (MEK)	5.8 ug/L		5.0	1		03/21/13 20:48	78-93-3	
2-Hexanone	ND ug/L		5.0	1		03/21/13 20:48	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		03/21/13 20:48	108-10-1	
Acetone	27.8 ug/L		5.0	1		03/21/13 20:48	67-64-1	
Acrylonitrile	ND ug/L		2.0	1		03/21/13 20:48	107-13-1	
Benzene	229 ug/L		1.0	1		03/21/13 20:48	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		03/21/13 20:48	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		03/21/13 20:48	75-27-4	
Bromoform	ND ug/L		1.0	1		03/21/13 20:48	75-25-2	
Bromomethane	ND ug/L		1.0	1		03/21/13 20:48	74-83-9	
Carbon disulfide	ND ug/L		1.0	1		03/21/13 20:48	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		03/21/13 20:48	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		03/21/13 20:48	108-90-7	
Chloroethane	ND ug/L		1.0	1		03/21/13 20:48	75-00-3	
Chloroform	ND ug/L		1.0	1		03/21/13 20:48	67-66-3	
Chloromethane	ND ug/L		1.0	1		03/21/13 20:48	74-87-3	

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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089861

Sample: CP16 PZM035		Lab ID: 3089861009	Collected: 03/19/13 10:55	Received: 03/20/13 10:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Dibromochloromethane	ND	ug/L	1.0	1		03/21/13 20:48	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/21/13 20:48	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/21/13 20:48	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/21/13 20:48	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/21/13 20:48	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/21/13 20:48	75-09-2	
Styrene	ND	ug/L	1.0	1		03/21/13 20:48	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/21/13 20:48	127-18-4	
Toluene	14.6	ug/L	1.0	1		03/21/13 20:48	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/21/13 20:48	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/21/13 20:48	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/21/13 20:48	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/21/13 20:48	75-01-4	
Xylene (Total)	7.6	ug/L	1.0	1		03/21/13 20:48	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/21/13 20:48	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/21/13 20:48	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/21/13 20:48	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/21/13 20:48	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/21/13 20:48	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	103	%	85-115	1		03/21/13 20:48	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	77-119	1		03/21/13 20:48	17060-07-0	
Toluene-d8 (S)	92	%	85-115	1		03/21/13 20:48	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	0.19	NTU	0.10	1		03/20/13 20:27		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	1800	mg/L	1.0	1		03/26/13 17:30		
2540C Total Dissolved Solids		Analytical Method: SM 2540C						
Total Dissolved Solids	2560	mg/L	10.0	1		03/21/13 12:45		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	12.6	Std. Units	0.10	1		03/20/13 19:12		H6
9050 Specific Conductance		Analytical Method: EPA 9050						
Specific Conductance	11500	umhos/cm	1.0	1		03/26/13 11:47		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	21.8	mg/L	0.50	5		03/25/13 17:01	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	89.9	mg/L	10.0	1		03/26/13 08:00		

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089861

Sample: CP16 PZM035		Lab ID: 3089861009	Collected: 03/19/13 10:55	Received: 03/20/13 10:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	557	mg/L	60.0	20		03/22/13 08:33	16887-00-6	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	36.5	mg/L	0.38	1		03/27/13 11:38	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	ND	mg/L	0.010	1		03/20/13 19:01	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	ND	mg/L	0.060	1		03/25/13 09:16	14797-55-8	

QUALITY CONTROL DATA

Project: Coke Point Landfill
Pace Project No.: 3089861

QC Batch: MERP/8175 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 3089861001, 3089861002, 3089861003, 3089861004, 3089861005, 3089861006, 3089861007, 3089861008, 3089861009

METHOD BLANK: 1395933 Matrix: Water
Associated Lab Samples: 3089861001, 3089861002, 3089861003, 3089861004, 3089861005, 3089861006, 3089861007, 3089861008, 3089861009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	03/25/13 09:09	

LABORATORY CONTROL SAMPLE: 1395934

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.5	110	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1396868 1396869

Parameter	Units	10223226001 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	RPD	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits		
Mercury	ug/L	ND	5	5	5.3	5.4	105	107	80-120	2	

QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089861

QC Batch:	MERP/8173	Analysis Method:	EPA 7470
QC Batch Method:	EPA 7470	Analysis Description:	7470 Mercury Dissolved
Associated Lab Samples:	3089861007, 3089861008		

METHOD BLANK:	1395485	Matrix:	Water
Associated Lab Samples:	3089861007, 3089861008		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	03/22/13 12:06	

LABORATORY CONTROL SAMPLE: 1395486

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	5.5	110	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1395903 1395904

Parameter	Units	3089789006		MS		MSD		% Rec		Limits	RPD	Qual
		Result	ND	Spike Conc.	MS Conc.	MS Result	MSD Result	% Rec	% Rec			
Mercury, Dissolved	ug/L	ND	ND	5	5	6.0	5.7	120	114	80-120	5	

QUALITY CONTROL DATA

Project: Coke Point Landfill
Pace Project No.: 3089861

QC Batch: MPRP/10335 Analysis Method: EPA 6010B
QC Batch Method: EPA 3005 Analysis Description: 6010 MET
Associated Lab Samples: 3089861001, 3089861002, 3089861003, 3089861004, 3089861005, 3089861006, 3089861007, 3089861008, 3089861009

METHOD BLANK: 557006 Matrix: Water
Associated Lab Samples: 3089861001, 3089861002, 3089861003, 3089861004, 3089861005, 3089861006, 3089861007, 3089861008, 3089861009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Calcium	ug/L	ND	1000	03/22/13 13:01	
Magnesium	ug/L	ND	200	03/22/13 13:01	

LABORATORY CONTROL SAMPLE: 557007

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	ug/L	5000	5360	107	80-120	
Magnesium	ug/L	5000	5440	109	80-120	

MATRIX SPIKE SAMPLE: 557009

Parameter	Units	3089861005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Calcium	ug/L	93100	5000	98200	101	80-120	
Magnesium	ug/L	209000	5000	213000	90	80-120	

SAMPLE DUPLICATE: 557008

Parameter	Units	3089861005 Result	Dup Result	RPD	Qualifiers
Calcium	ug/L	93100	93500	.5	
Magnesium	ug/L	209000	210000	.4	

QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089861

QC Batch: MPRP/38126 Analysis Method: EPA 6020
 QC Batch Method: EPA 3020 Analysis Description: 6020 MET
 Associated Lab Samples: 3089861001, 3089861002, 3089861003, 3089861004, 3089861005, 3089861006, 3089861007, 3089861008, 3089861009

METHOD BLANK: 1395651 Matrix: Water

Associated Lab Samples: 3089861001, 3089861002, 3089861003, 3089861004, 3089861005, 3089861006, 3089861007, 3089861008, 3089861009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0020	03/24/13 10:45	
Arsenic	mg/L	ND	0.0020	03/24/13 10:45	
Barium	mg/L	ND	0.010	03/24/13 10:45	
Beryllium	mg/L	ND	0.0020	03/24/13 10:45	
Cadmium	mg/L	ND	0.0040	03/24/13 10:45	
Calcium	mg/L	ND	0.080	03/24/13 10:45	
Chromium	mg/L	ND	0.010	03/24/13 10:45	
Cobalt	mg/L	ND	0.010	03/24/13 10:45	
Copper	mg/L	ND	0.010	03/24/13 10:45	
Iron	mg/L	ND	0.050	03/24/13 10:45	
Lead	mg/L	ND	0.0020	03/24/13 10:45	
Magnesium	mg/L	ND	0.010	03/24/13 10:45	
Manganese	mg/L	ND	0.010	03/24/13 10:45	
Nickel	mg/L	ND	0.011	03/24/13 10:45	
Potassium	mg/L	ND	0.39	03/24/13 10:45	
Selenium	mg/L	ND	0.035	03/24/13 10:45	
Silver	mg/L	ND	0.010	03/24/13 10:45	
Sodium	mg/L	ND	0.20	03/24/13 10:45	
Thallium	mg/L	ND	0.0020	03/24/13 10:45	
Vanadium	mg/L	ND	0.010	03/24/13 10:45	
Zinc	mg/L	ND	0.010	03/24/13 10:45	

LABORATORY CONTROL SAMPLE: 1395652

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	.08	0.074	92	80-120	
Arsenic	mg/L	.08	0.080	100	80-120	
Barium	mg/L	.08	0.077	97	80-120	
Beryllium	mg/L	.08	0.084	105	80-120	
Cadmium	mg/L	.08	0.078	98	80-120	
Calcium	mg/L	1	1.1	110	80-120	
Chromium	mg/L	.08	0.078	97	80-120	
Cobalt	mg/L	.08	0.079	98	80-120	
Copper	mg/L	.08	0.084	105	80-120	
Iron	mg/L	1	0.99	99	80-120	
Lead	mg/L	.08	0.073	92	80-120	
Magnesium	mg/L	1	0.96	96	80-120	
Manganese	mg/L	.08	0.078	97	80-120	
Nickel	mg/L	.08	0.082	102	80-120	
Potassium	mg/L	1	1.1	105	80-120	

QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089861

LABORATORY CONTROL SAMPLE: 1395652

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Selenium	mg/L	.08	0.078	97	80-120	
Silver	mg/L	.08	0.081	102	80-120	
Sodium	mg/L	1	1.0	102	80-120	
Thallium	mg/L	.08	0.074	92	80-120	
Vanadium	mg/L	.08	0.079	99	80-120	
Zinc	mg/L	.08	0.079	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1395905 1395906

Parameter	Units	3089789003		MS		MSD		MS		MSD		% Rec Limits	RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
Antimony	mg/L	ND	.08	.08	.077J	.072J	96	90	75-125	6				
Arsenic	mg/L	0.0045	.08	.08	.086J	.086J	101	102	75-125	.8				
Barium	mg/L	0.090	.08	.08	.17J	.16J	99	93	75-125	3				
Beryllium	mg/L	ND	.08	.08	.088J	.088J	110	110	75-125	.3				
Cadmium	mg/L	ND	.08	.08	.084J	.077J	105	96	75-125	8				
Calcium	mg/L	135	1	1	135	133	15	-180	75-125	1 M6				
Chromium	mg/L	ND	.08	.08	.081J	.079J	98	95	75-125	3				
Cobalt	mg/L	ND	.08	.08	.079J	.079J	99	98	75-125	.9				
Copper	mg/L	ND	.08	.08	.086J	.14J	105	170	75-125	46 M6,R1				
Iron	mg/L	ND	1	1	1J	1J	99	98	75-125					
Lead	mg/L	ND	.08	.08	.075J	.075J	94	94	75-125	.07				
Magnesium	mg/L	0.087	1	1	1.1	1.1	100	103	75-125	3				
Manganese	mg/L	ND	.08	.08	.077J	.077J	96	96	75-125	.06				
Nickel	mg/L	0.0065	.08	.08	.094J	.088J	110	101	75-125	7				
Potassium	mg/L	78.3	1	1	85.3	84.2	700	590	75-125	1 M6				
Selenium	mg/L	ND	.08	.08	.038J	.04J	46	48	75-125	5 M6				
Silver	mg/L	ND	.08	.08	.023J	.013J	29	16	75-125	M6				
Sodium	mg/L	152	1	1	150	148	-150	-345	75-125	1 M6				
Thallium	mg/L	ND	.08	.08	.076J	.075J	95	94	75-125	1				
Vanadium	mg/L	0.15	.08	.08	.22J	.22J	100	99	75-125	.4				
Zinc	mg/L	ND	.08	.08	.084J	.084J	97	97	75-125					

QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089861

QC Batch: MPRP/38127 Analysis Method: EPA 6020
QC Batch Method: EPA 3020 Analysis Description: 6020 MET Dissolved
Associated Lab Samples: 3089861007, 3089861008

METHOD BLANK: 1395656 Matrix: Water

Associated Lab Samples: 3089861007, 3089861008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony, Dissolved	mg/L	ND	0.0020	03/24/13 07:44	
Arsenic, Dissolved	mg/L	ND	0.0020	03/24/13 07:44	
Barium, Dissolved	mg/L	ND	0.010	03/24/13 07:44	
Beryllium, Dissolved	mg/L	ND	0.0020	03/24/13 07:44	
Cadmium, Dissolved	mg/L	ND	0.0040	03/24/13 07:44	
Calcium, Dissolved	mg/L	ND	0.080	03/24/13 07:44	
Chromium, Dissolved	mg/L	ND	0.010	03/24/13 07:44	
Cobalt, Dissolved	mg/L	ND	0.010	03/24/13 07:44	
Copper, Dissolved	mg/L	ND	0.010	03/24/13 07:44	
Iron, Dissolved	mg/L	ND	0.050	03/24/13 07:44	
Lead, Dissolved	mg/L	ND	0.0020	03/24/13 07:44	
Magnesium, Dissolved	mg/L	ND	0.0050	03/24/13 07:44	
Manganese, Dissolved	mg/L	ND	0.010	03/24/13 07:44	
Nickel, Dissolved	mg/L	ND	0.011	03/24/13 07:44	
Potassium, Dissolved	mg/L	ND	0.39	03/24/13 07:44	P8
Selenium, Dissolved	mg/L	ND	0.035	03/24/13 07:44	
Silver, Dissolved	mg/L	ND	0.010	03/24/13 07:44	
Sodium, Dissolved	mg/L	ND	0.20	03/24/13 07:44	
Thallium, Dissolved	mg/L	ND	0.0020	03/24/13 07:44	
Vanadium, Dissolved	mg/L	ND	0.010	03/24/13 07:44	
Zinc, Dissolved	mg/L	ND	0.010	03/24/13 07:44	

LABORATORY CONTROL SAMPLE: 1395657

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony, Dissolved	mg/L	.08	0.074	93	80-120	
Arsenic, Dissolved	mg/L	.08	0.078	98	80-120	
Barium, Dissolved	mg/L	.08	0.080	100	80-120	
Beryllium, Dissolved	mg/L	.08	0.085	106	80-120	
Cadmium, Dissolved	mg/L	.08	0.081	102	80-120	
Calcium, Dissolved	mg/L	1	1.1	106	80-120	
Chromium, Dissolved	mg/L	.08	0.079	99	80-120	
Cobalt, Dissolved	mg/L	.08	0.079	99	80-120	
Copper, Dissolved	mg/L	.08	0.085	106	80-120	
Iron, Dissolved	mg/L	1	0.98	98	80-120	
Lead, Dissolved	mg/L	.08	0.075	94	80-120	
Magnesium, Dissolved	mg/L	1	0.97	97	80-120	
Manganese, Dissolved	mg/L	.08	0.079	99	80-120	
Nickel, Dissolved	mg/L	.08	0.084	104	80-120	
Potassium, Dissolved	mg/L	1	1.0	104	80-120	
Selenium, Dissolved	mg/L	.08	0.077	96	80-120	

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QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089861

LABORATORY CONTROL SAMPLE: 1395657

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Silver, Dissolved	mg/L	.08	0.082	103	80-120	
Sodium, Dissolved	mg/L	1	1.0	101	80-120	
Thallium, Dissolved	mg/L	.08	0.075	94	80-120	
Vanadium, Dissolved	mg/L	.08	0.079	98	80-120	
Zinc, Dissolved	mg/L	.08	0.080	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1395658 1395659

Parameter	Units	3089789004		MS		MSD		MS		MSD		% Rec		RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	Limits				
Antimony, Dissolved	mg/L	ND	.08	.08	.075J	.078J	93	98	75-125	5					
Arsenic, Dissolved	mg/L	ND	.08	.08	.078J	.086J	96	107	75-125	10					
Barium, Dissolved	mg/L	0.13	.08	.08	.21J	.21J	94	99	75-125	2					
Beryllium, Dissolved	mg/L	ND	.08	.08	.085J	.09J	106	112	75-125	6					
Cadmium, Dissolved	mg/L	ND	.08	.08	.083J	.079J	103	99	75-125	5					
Calcium, Dissolved	mg/L	691	1	1	684	701	-770	980	75-125	3 M6					
Chromium, Dissolved	mg/L	0.017	.08	.08	.092J	.093J	94	96	75-125	2					
Cobalt, Dissolved	mg/L	ND	.08	.08	.077J	.079J	96	99	75-125	2					
Copper, Dissolved	mg/L	0.0045	.08	.08	.082J	.088J	97	105	75-125	7					
Iron, Dissolved	mg/L	ND	1	1	.98J	.98J	97	97	75-125						
Lead, Dissolved	mg/L	0.015	.08	.08	.087J	.088J	89	91	75-125	2					
Magnesium, Dissolved	mg/L	0.060	1	1	1.1	1.0	99	95	75-125	4					
Manganese, Dissolved	mg/L	ND	.08	.08	.076J	.077J	94	94	75-125	.6					
Nickel, Dissolved	mg/L	0.0067	.08	.08	.088J	.09J	101	104	75-125	2					
Potassium, Dissolved	mg/L	87.8	1	1	94.2	96.6	640	880	75-125	3 M6					
Selenium, Dissolved	mg/L	ND	.08	.08	.077J	.086J	95	106	75-125	10					
Silver, Dissolved	mg/L	0.0076	.08	.08	.062J	.047J	68	50	75-125	27 M6, R1					
Sodium, Dissolved	mg/L	1940	1	1	1870	1860	-7400	-7900	75-125	.3 E, M6					
Thallium, Dissolved	mg/L	ND	.08	.08	.07J	.069J	88	86	75-125	2					
Vanadium, Dissolved	mg/L	0.0097	.08	.08	.089J	.089J	99	99	75-125	.2					
Zinc, Dissolved	mg/L	ND	.08	.08	.078J	.086J	95	105	75-125						

QUALITY CONTROL DATA

Project: Coke Point Landfill

Project No.: 3089861

QC Batch: MSV/15607 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
 Associated Lab Samples: 3089861001, 3089861002, 3089861003, 3089861004, 3089861006, 3089861007, 3089861008, 3089861009

METHOD BLANK: 557063 Matrix: Water
 Associated Lab Samples: 3089861001, 3089861002, 3089861003, 3089861004, 3089861006, 3089861007, 3089861008, 3089861009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	03/21/13 13:41	
1,1,1-Trichloroethane	ug/L	ND	1.0	03/21/13 13:41	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	03/21/13 13:41	
1,1,2-Trichloroethane	ug/L	ND	1.0	03/21/13 13:41	
1,1-Dichloroethane	ug/L	ND	1.0	03/21/13 13:41	
1,1-Dichloroethene	ug/L	ND	1.0	03/21/13 13:41	
1,2,3-Trichloropropane	ug/L	ND	1.0	03/21/13 13:41	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	03/21/13 13:41	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	03/21/13 13:41	
1,2-Dichlorobenzene	ug/L	ND	1.0	03/21/13 13:41	
1,2-Dichloroethane	ug/L	ND	1.0	03/21/13 13:41	
1,2-Dichloropropane	ug/L	ND	1.0	03/21/13 13:41	
1,4-Dichlorobenzene	ug/L	ND	1.0	03/21/13 13:41	
2-Butanone (MEK)	ug/L	ND	10.0	03/21/13 13:41	
2-Hexanone	ug/L	ND	10.0	03/21/13 13:41	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	03/21/13 13:41	
Acetone	ug/L	ND	10.0	03/21/13 13:41	
Acrylonitrile	ug/L	ND	2.0	03/21/13 13:41	
Benzene	ug/L	ND	1.0	03/21/13 13:41	
Bromochloromethane	ug/L	ND	1.0	03/21/13 13:41	
Bromodichloromethane	ug/L	ND	1.0	03/21/13 13:41	
Bromoform	ug/L	ND	1.0	03/21/13 13:41	
Bromomethane	ug/L	ND	1.0	03/21/13 13:41	
Carbon disulfide	ug/L	ND	1.0	03/21/13 13:41	
Carbon tetrachloride	ug/L	ND	1.0	03/21/13 13:41	
Chlorobenzene	ug/L	ND	1.0	03/21/13 13:41	
Chloroethane	ug/L	ND	1.0	03/21/13 13:41	
Chloroform	ug/L	ND	1.0	03/21/13 13:41	
Chloromethane	ug/L	ND	1.0	03/21/13 13:41	
cis-1,2-Dichloroethene	ug/L	ND	1.0	03/21/13 13:41	
cis-1,3-Dichloropropene	ug/L	ND	1.0	03/21/13 13:41	
Dibromochloromethane	ug/L	ND	1.0	03/21/13 13:41	
Dibromomethane	ug/L	ND	1.0	03/21/13 13:41	
Ethylbenzene	ug/L	ND	1.0	03/21/13 13:41	
Iodomethane	ug/L	ND	50.0	03/21/13 13:41	N2
Methyl-tert-butyl ether	ug/L	ND	1.0	03/21/13 13:41	
Methylene Chloride	ug/L	ND	1.0	03/21/13 13:41	
Styrene	ug/L	ND	1.0	03/21/13 13:41	
Tetrachloroethene	ug/L	ND	1.0	03/21/13 13:41	
Toluene	ug/L	ND	1.0	03/21/13 13:41	
trans-1,2-Dichloroethene	ug/L	ND	1.0	03/21/13 13:41	
trans-1,3-Dichloropropene	ug/L	ND	1.0	03/21/13 13:41	
trans-1,4-Dichloro-2-butene	ug/L	ND	5.0	03/21/13 13:41	N2

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QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089861

METHOD BLANK: 557063

Matrix: Water

Associated Lab Samples: 3089861001, 3089861002, 3089861003, 3089861004, 3089861006, 3089861007, 3089861008, 3089861009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichloroethene	ug/L	ND	1.0	03/21/13 13:41	
Trichlorofluoromethane	ug/L	ND	1.0	03/21/13 13:41	
Vinyl acetate	ug/L	ND	10.0	03/21/13 13:41	
Vinyl chloride	ug/L	ND	1.0	03/21/13 13:41	
Xylene (Total)	ug/L	ND	3.0	03/21/13 13:41	
1,2-Dichloroethane-d4 (S)	%	99	77-119	03/21/13 13:41	
4-Bromofluorobenzene (S)	%	102	85-115	03/21/13 13:41	
Toluene-d8 (S)	%	95	85-115	03/21/13 13:41	

LABORATORY CONTROL SAMPLE: 557064

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.9	105	69-122	
1,1,1-Trichloroethane	ug/L	20	20.0	100	62-125	
1,1,2,2-Tetrachloroethane	ug/L	20	17.6	88	61-117	
1,1,2-Trichloroethane	ug/L	20	20.2	101	72-119	
1,1-Dichloroethane	ug/L	20	20.0	100	63-123	
1,1-Dichloroethene	ug/L	20	21.5	107	57-127	
1,2,3-Trichloropropane	ug/L	20	18.0	90	69-121	
1,2-Dibromo-3-chloropropane	ug/L	20	17.2	86	50-133	
1,2-Dibromoethane (EDB)	ug/L	20	20.1	100	70-118	
1,2-Dichlorobenzene	ug/L	20	19.1	95	70-116	
1,2-Dichloroethane	ug/L	20	19.7	98	62-125	
1,2-Dichloropropane	ug/L	20	19.7	99	69-115	
1,4-Dichlorobenzene	ug/L	20	19.0	95	67-119	
2-Butanone (MEK)	ug/L	20	16.7	84	48-136	
2-Hexanone	ug/L	20	17.1	85	52-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	18.4	92	57-124	
Acetone	ug/L	20	21.2	106	49-138	
Acrylonitrile	ug/L	20	17.3	86	70-130	
Benzene	ug/L	20	20.3	101	66-122	
Bromochloromethane	ug/L	20	20.5	103	61-126	
Bromodichloromethane	ug/L	20	20.2	101	63-118	
Bromoform	ug/L	20	20.6	103	46-130	
Bromomethane	ug/L	20	15.3	77	10-175	
Carbon disulfide	ug/L	20	19.1	96	59-142	
Carbon tetrachloride	ug/L	20	21.9	109	55-126	
Chlorobenzene	ug/L	20	20.5	103	70-121	
Chloroethane	ug/L	20	23.3	117	24-161	
Chloroform	ug/L	20	18.8	94	62-126	
Chloromethane	ug/L	20	18.7	93	37-147	
cis-1,2-Dichloroethene	ug/L	20	19.5	98	64-121	
cis-1,3-Dichloropropene	ug/L	20	20.9	104	64-118	
Dibromochloromethane	ug/L	20	21.8	109	60-120	
Dibromomethane	ug/L	20	21.2	106	67-124	

QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089861

LABORATORY CONTROL SAMPLE: 557064

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	20	21.2	106	69-119	
Iodomethane	ug/L	20	11.5J	58	70-130	L0,N2
Methyl-tert-butyl ether	ug/L	20	19.8	99	58-131	
Methylene Chloride	ug/L	20	20.4	102	59-128	
Styrene	ug/L	20	24.6	123	67-146	
Tetrachloroethene	ug/L	20	21.2	106	62-125	
Toluene	ug/L	20	20.4	102	72-115	
trans-1,2-Dichloroethene	ug/L	20	21.0	105	59-122	
trans-1,3-Dichloropropene	ug/L	20	18.4	92	64-120	
trans-1,4-Dichloro-2-butene	ug/L	20	11.1	56	70-130	L0,N2
Trichloroethene	ug/L	20	20.9	105	62-125	
Trichlorofluoromethane	ug/L	20	22.5	113	54-158	
Vinyl acetate	ug/L		3.2J			
Vinyl chloride	ug/L	20	20.8	104	52-145	
Xylene (Total)	ug/L	60	62.3	104	70-123	
1,2-Dichloroethane-d4 (S)	%			95	77-119	
4-Bromofluorobenzene (S)	%			96	85-115	
Toluene-d8 (S)	%			102	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 557697 557698

Parameter	Units	3089861001		MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.							
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	20	22.0	18.7	110	93	69-122	17	
1,1,1-Trichloroethane	ug/L	ND	20	20	20	23.0	22.2	115	111	62-125	3	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	20	17.4	16.3	87	81	61-117	7	
1,1,2-Trichloroethane	ug/L	ND	20	20	20	21.3	19.8	107	99	72-119	7	
1,1-Dichloroethane	ug/L	ND	20	20	20	22.0	22.1	110	110	63-123	.1	
1,1-Dichloroethene	ug/L	ND	20	20	20	25.3	24.6	127	123	57-127	3	
1,2,3-Trichloropropane	ug/L	ND	20	20	20	18.2	17.7	91	88	69-121	3	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	20	17.4	18.0	87	90	50-133	4	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	20	21.1	18.4	105	92	70-118	13	
1,2-Dichlorobenzene	ug/L	ND	20	20	20	19.2	18.4	96	92	70-116	4	
1,2-Dichloroethane	ug/L	ND	20	20	20	21.1	20.1	105	101	62-125	5	
1,2-Dichloropropane	ug/L	ND	20	20	20	20.0	17.5	100	88	69-115	13	
1,4-Dichlorobenzene	ug/L	ND	20	20	20	18.3	18.2	92	91	67-119	.6	
2-Butanone (MEK)	ug/L	ND	20	20	20	20.0	17.7	100	89	48-136	12	
2-Hexanone	ug/L	ND	20	20	20	21.0	18.5	105	92	52-130	13	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20	20	20	20.4	17.9	102	90	57-124	13	
Acetone	ug/L	ND	20	20	20	19.7	17.0	99	85	49-138	15	
Acrylonitrile	ug/L	ND	20	20	20	17.8	16.0	89	80	70-130	11	
Benzene	ug/L	ND	20	20	20	21.2	18.8	106	94	66-122	12	
Bromochloromethane	ug/L	ND	20	20	20	22.3	20.9	112	104	61-126	7	
Bromodichloromethane	ug/L	ND	20	20	20	20.2	17.4	101	87	63-118	15	
Bromoform	ug/L	ND	20	20	20	20.9	18.8	104	94	46-130	10	
Bromomethane	ug/L	ND	20	20	20	19.5	19.4	97	97	10-175	.6	
Carbon disulfide	ug/L	ND	20	20	20	16.0	16.3	80	82	59-142	2	

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QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089861

Parameter	Units	3089861001		557697		557698		% Rec	% Rec	Limits	RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec					
Carbon tetrachloride	ug/L	ND	20	20	23.8	22.7	119	113	55-126	5		
Chlorobenzene	ug/L	ND	20	20	20.7	19.1	103	96	70-121	8		
Chloroethane	ug/L	ND	20	20	25.1	26.0	125	130	24-161	3		
Chloroform	ug/L	ND	20	20	22.2	20.9	111	105	62-126	6		
Chloromethane	ug/L	ND	20	20	22.8	21.7	114	109	37-147	5		
cis-1,2-Dichloroethene	ug/L	ND	20	20	21.3	21.4	106	107	64-121	.5		
cis-1,3-Dichloropropene	ug/L	ND	20	20	21.0	18.7	105	94	64-118	12		
Dibromochloromethane	ug/L	ND	20	20	22.4	20.8	112	104	60-120	8		
Dibromomethane	ug/L	ND	20	20	22.8	20.8	114	104	67-124	9		
Ethylbenzene	ug/L	ND	20	20	21.0	19.0	105	95	69-119	10		
Iodomethane	ug/L	ND	20	20	9.3J	9.2J	47	46	70-130		M0,N2	
Methyl-tert-butyl ether	ug/L	ND	20	20	17.5	17.8	87	89	58-131	2		
Methylene Chloride	ug/L	ND	20	20	22.1	21.3	110	106	59-128	4		
Styrene	ug/L	ND	20	20	26.1	22.5	130	112	67-146	15		
Tetrachloroethene	ug/L	ND	20	20	22.6	20.3	113	101	62-125	11		
Toluene	ug/L	ND	20	20	21.3	19.1	107	95	72-115	11		
trans-1,2-Dichloroethene	ug/L	ND	20	20	22.3	22.0	111	110	59-122	1		
trans-1,3-Dichloropropene	ug/L	ND	20	20	18.9	17.0	95	85	64-120	10		
trans-1,4-Dichloro-2-butene	ug/L	ND	20	20	9.6	8.8	48	44	70-130	9	M0,N2	
Trichloroethene	ug/L	ND	20	20	20.8	19.8	104	99	62-125	5		
Trichlorofluoromethane	ug/L	ND	20	20	28.2	27.9	141	140	54-158	1		
Vinyl acetate	ug/L	ND			ND	ND						
Vinyl chloride	ug/L	ND	20	20	24.9	23.7	125	118	52-145	5		
Xylene (Total)	ug/L	ND	60	60	62.7	57.5	105	96	70-123	9		
1,2-Dichloroethane-d4 (S)	%						108	110	77-119			
4-Bromofluorobenzene (S)	%						100	103	85-115			
Toluene-d8 (S)	%						98	92	85-115			

QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089861

QC Batch:	MSV/15622	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
Associated Lab Samples:	3089861005		

METHOD BLANK: 557659 Matrix: Water

Associated Lab Samples: 3089861005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	03/22/13 12:14	
1,1,1-Trichloroethane	ug/L	ND	1.0	03/22/13 12:14	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	03/22/13 12:14	
1,1,2-Trichloroethane	ug/L	ND	1.0	03/22/13 12:14	
1,1-Dichloroethane	ug/L	ND	1.0	03/22/13 12:14	
1,1-Dichloroethene	ug/L	ND	1.0	03/22/13 12:14	
1,2,3-Trichloropropane	ug/L	ND	1.0	03/22/13 12:14	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	03/22/13 12:14	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	03/22/13 12:14	
1,2-Dichlorobenzene	ug/L	ND	1.0	03/22/13 12:14	
1,2-Dichloroethane	ug/L	ND	1.0	03/22/13 12:14	
1,2-Dichloropropane	ug/L	ND	1.0	03/22/13 12:14	
1,4-Dichlorobenzene	ug/L	ND	1.0	03/22/13 12:14	
2-Butanone (MEK)	ug/L	ND	10.0	03/22/13 12:14	
2-Hexanone	ug/L	ND	10.0	03/22/13 12:14	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	03/22/13 12:14	
Acetone	ug/L	ND	10.0	03/22/13 12:14	
Acrylonitrile	ug/L	ND	2.0	03/22/13 12:14	
Benzene	ug/L	ND	1.0	03/22/13 12:14	
Bromochloromethane	ug/L	ND	1.0	03/22/13 12:14	
Bromodichloromethane	ug/L	ND	1.0	03/22/13 12:14	
Bromoform	ug/L	ND	1.0	03/22/13 12:14	
Bromomethane	ug/L	ND	1.0	03/22/13 12:14	
Carbon disulfide	ug/L	ND	1.0	03/22/13 12:14	
Carbon tetrachloride	ug/L	ND	1.0	03/22/13 12:14	
Chlorobenzene	ug/L	ND	1.0	03/22/13 12:14	
Chloroethane	ug/L	ND	1.0	03/22/13 12:14	
Chloroform	ug/L	ND	1.0	03/22/13 12:14	
Chloromethane	ug/L	ND	1.0	03/22/13 12:14	
cis-1,2-Dichloroethene	ug/L	ND	1.0	03/22/13 12:14	
cis-1,3-Dichloropropene	ug/L	ND	1.0	03/22/13 12:14	
Dibromochloromethane	ug/L	ND	1.0	03/22/13 12:14	
Dibromomethane	ug/L	ND	1.0	03/22/13 12:14	
Ethylbenzene	ug/L	ND	1.0	03/22/13 12:14	
Iodomethane	ug/L	ND	50.0	03/22/13 12:14	N2
Methyl-tert-butyl ether	ug/L	ND	1.0	03/22/13 12:14	
Methylene Chloride	ug/L	ND	1.0	03/22/13 12:14	
Styrene	ug/L	ND	1.0	03/22/13 12:14	
Tetrachloroethene	ug/L	ND	1.0	03/22/13 12:14	
Toluene	ug/L	ND	1.0	03/22/13 12:14	
trans-1,2-Dichloroethene	ug/L	ND	1.0	03/22/13 12:14	
trans-1,3-Dichloropropene	ug/L	ND	1.0	03/22/13 12:14	
trans-1,4-Dichloro-2-butene	ug/L	ND	5.0	03/22/13 12:14	N2

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QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089861

METHOD BLANK: 557659

Matrix: Water

Associated Lab Samples: 3089861005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichloroethene	ug/L	ND	1.0	03/22/13 12:14	
Trichlorofluoromethane	ug/L	ND	1.0	03/22/13 12:14	
Vinyl acetate	ug/L	ND	10.0	03/22/13 12:14	
Vinyl chloride	ug/L	ND	1.0	03/22/13 12:14	
Xylene (Total)	ug/L	ND	3.0	03/22/13 12:14	
1,2-Dichloroethane-d4 (S)	%	102	77-119	03/22/13 12:14	
4-Bromofluorobenzene (S)	%	98	85-115	03/22/13 12:14	
Toluene-d8 (S)	%	92	85-115	03/22/13 12:14	

LABORATORY CONTROL SAMPLE: 557660

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	21.7	109	69-122	
1,1,1-Trichloroethane	ug/L	20	23.3	116	62-125	
1,1,2,2-Tetrachloroethane	ug/L	20	19.3	96	61-117	
1,1,2-Trichloroethane	ug/L	20	22.1	111	72-119	
1,1-Dichloroethane	ug/L	20	23.6	118	63-123	
1,1-Dichloroethene	ug/L	20	25.9	129	57-127	L3
1,2,3-Trichloropropane	ug/L	20	20.3	101	69-121	
1,2-Dibromo-3-chloropropane	ug/L	20	20.0	100	50-133	
1,2-Dibromoethane (EDB)	ug/L	20	21.6	108	70-118	
1,2-Dichlorobenzene	ug/L	20	21.2	106	70-116	
1,2-Dichloroethane	ug/L	20	21.8	109	62-125	
1,2-Dichloropropane	ug/L	20	21.1	105	69-115	
1,4-Dichlorobenzene	ug/L	20	21.1	106	67-119	
2-Butanone (MEK)	ug/L	20	19.7	99	48-136	
2-Hexanone	ug/L	20	18.2	91	52-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	18.0	90	57-124	
Acetone	ug/L	20	21.4	107	49-138	
Acrylonitrile	ug/L	20	19.4	97	70-130	
Benzene	ug/L	20	22.4	112	66-122	
Bromochloromethane	ug/L	20	22.1	110	61-126	
Bromodichloromethane	ug/L	20	21.8	109	63-118	
Bromoform	ug/L	20	21.8	109	46-130	
Bromomethane	ug/L	20	18.5	92	10-175	
Carbon disulfide	ug/L	20	21.0	105	59-142	
Carbon tetrachloride	ug/L	20	23.5	117	55-126	
Chlorobenzene	ug/L	20	21.8	109	70-121	
Chloroethane	ug/L	20	25.3	126	24-161	
Chloroform	ug/L	20	21.4	107	62-126	
Chloromethane	ug/L	20	22.0	110	37-147	
cis-1,2-Dichloroethene	ug/L	20	22.8	114	64-121	
cis-1,3-Dichloropropene	ug/L	20	22.6	113	64-118	
Dibromochloromethane	ug/L	20	23.0	115	60-120	
Dibromomethane	ug/L	20	23.4	117	67-124	

QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089861

LABORATORY CONTROL SAMPLE: 557660

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	20	22.2	111	69-119	
Iodomethane	ug/L	20	9.1J	45	70-130	CL,L2,N2
Methyl-tert-butyl ether	ug/L	20	21.2	106	58-131	
Methylene Chloride	ug/L	20	23.3	117	59-128	
Styrene	ug/L	20	26.3	131	67-146	
Tetrachloroethene	ug/L	20	23.0	115	62-125	
Toluene	ug/L	20	22.2	111	72-115	
trans-1,2-Dichloroethene	ug/L	20	22.9	115	59-122	
trans-1,3-Dichloropropene	ug/L	20	19.9	99	64-120	
trans-1,4-Dichloro-2-butene	ug/L	20	13.7	69	70-130	L2,N2
Trichloroethene	ug/L	20	22.6	113	62-125	
Trichlorofluoromethane	ug/L	20	26.4	132	54-158	
Vinyl acetate	ug/L		ND			
Vinyl chloride	ug/L	20	23.5	117	52-145	
Xylene (Total)	ug/L	60	66.1	110	70-123	
1,2-Dichloroethane-d4 (S)	%			102	77-119	
4-Bromofluorobenzene (S)	%			106	85-115	
Toluene-d8 (S)	%			101	85-115	

QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089861

QC Batch: OEXT/14573

Analysis Method: EPA 8270

QC Batch Method: EPA 3510

Analysis Description: 8270 Water MSSV

Associated Lab Samples: 3089861004, 3089861009

METHOD BLANK: 557562

Matrix: Water

Associated Lab Samples: 3089861004, 3089861009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	1.0	03/25/13 15:40	
1,2-Dichlorobenzene	ug/L	ND	1.0	03/25/13 15:40	
1,3-Dichlorobenzene	ug/L	ND	1.0	03/25/13 15:40	
1,4-Dichlorobenzene	ug/L	ND	1.0	03/25/13 15:40	
1-Methylnaphthalene	ug/L	ND	1.0	03/25/13 15:40	N2
2,4,5-Trichlorophenol	ug/L	ND	2.5	03/25/13 15:40	
2,4,6-Trichlorophenol	ug/L	ND	1.0	03/25/13 15:40	
2,4-Dichlorophenol	ug/L	ND	1.0	03/25/13 15:40	
2,4-Dimethylphenol	ug/L	ND	1.0	03/25/13 15:40	
2,4-Dinitrophenol	ug/L	ND	2.5	03/25/13 15:40	
2,4-Dinitrotoluene	ug/L	ND	1.0	03/25/13 15:40	
2,6-Dinitrotoluene	ug/L	ND	1.0	03/25/13 15:40	
2-Chloronaphthalene	ug/L	ND	1.0	03/25/13 15:40	
2-Chlorophenol	ug/L	ND	1.0	03/25/13 15:40	
2-Methylnaphthalene	ug/L	ND	1.0	03/25/13 15:40	
2-Methylphenol(o-Cresol)	ug/L	ND	1.0	03/25/13 15:40	
2-Nitroaniline	ug/L	ND	2.5	03/25/13 15:40	
2-Nitrophenol	ug/L	ND	1.0	03/25/13 15:40	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	2.0	03/25/13 15:40	
3,3'-Dichlorobenzidine	ug/L	ND	1.0	03/25/13 15:40	
3-Nitroaniline	ug/L	ND	2.5	03/25/13 15:40	
4,6-Dinitro-2-methylphenol	ug/L	ND	2.5	03/25/13 15:40	
4-Bromophenylphenyl ether	ug/L	ND	1.0	03/25/13 15:40	
4-Chloro-3-methylphenol	ug/L	ND	1.0	03/25/13 15:40	
4-Chloroaniline	ug/L	ND	1.0	03/25/13 15:40	
4-Chlorophenylphenyl ether	ug/L	ND	1.0	03/25/13 15:40	
4-Nitroaniline	ug/L	ND	2.5	03/25/13 15:40	
4-Nitrophenol	ug/L	ND	1.0	03/25/13 15:40	
Acenaphthene	ug/L	ND	1.0	03/25/13 15:40	
Acenaphthylene	ug/L	ND	1.0	03/25/13 15:40	
Anthracene	ug/L	ND	1.0	03/25/13 15:40	
Azobenzene	ug/L	ND	1.0	03/25/13 15:40	N2
Benzo(a)anthracene	ug/L	ND	1.0	03/25/13 15:40	
Benzo(a)pyrene	ug/L	ND	1.0	03/25/13 15:40	
Benzo(b)fluoranthene	ug/L	ND	1.0	03/25/13 15:40	
Benzo(g,h,i)perylene	ug/L	ND	1.0	03/25/13 15:40	
Benzo(k)fluoranthene	ug/L	ND	1.0	03/25/13 15:40	
Benzoic acid	ug/L	ND	100	03/25/13 15:40	
Benzyl alcohol	ug/L	ND	1.0	03/25/13 15:40	
bis(2-Chloroethoxy)methane	ug/L	ND	1.0	03/25/13 15:40	
bis(2-Chloroethyl) ether	ug/L	ND	1.0	03/25/13 15:40	
bis(2-Chloroisopropyl) ether	ug/L	ND	1.0	03/25/13 15:40	
bis(2-Ethylhexyl)phthalate	ug/L	ND	1.0	03/25/13 15:40	

Date: 03/27/2013 05:03 PM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089861

METHOD BLANK: 557562

Matrix: Water

Associated Lab Samples: 3089861004, 3089861009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Butylbenzylphthalate	ug/L	ND	1.0	03/25/13 15:40	
Carbazole	ug/L	ND	1.0	03/25/13 15:40	
Chrysene	ug/L	ND	1.0	03/25/13 15:40	
Di-n-butylphthalate	ug/L	ND	1.0	03/25/13 15:40	
Di-n-octylphthalate	ug/L	ND	1.0	03/25/13 15:40	
Dibenz(a,h)anthracene	ug/L	ND	1.0	03/25/13 15:40	
Dibenzofuran	ug/L	ND	1.0	03/25/13 15:40	
Diethylphthalate	ug/L	ND	1.0	03/25/13 15:40	
Dimethylphthalate	ug/L	ND	1.0	03/25/13 15:40	
Fluoranthene	ug/L	ND	1.0	03/25/13 15:40	
Fluorene	ug/L	ND	1.0	03/25/13 15:40	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	03/25/13 15:40	
Hexachlorobenzene	ug/L	ND	1.0	03/25/13 15:40	
Hexachlorocyclopentadiene	ug/L	ND	1.0	03/25/13 15:40	
Hexachloroethane	ug/L	ND	1.0	03/25/13 15:40	
Indeno(1,2,3-cd)pyrene	ug/L	ND	1.0	03/25/13 15:40	
Isophorone	ug/L	ND	1.0	03/25/13 15:40	
N-Nitroso-di-n-propylamine	ug/L	ND	1.0	03/25/13 15:40	
N-Nitrosodimethylamine	ug/L	ND	1.0	03/25/13 15:40	
N-Nitrosodiphenylamine	ug/L	ND	1.0	03/25/13 15:40	
Naphthalene	ug/L	ND	1.0	03/25/13 15:40	
Nitrobenzene	ug/L	ND	1.0	03/25/13 15:40	
Pentachlorophenol	ug/L	ND	2.5	03/25/13 15:40	
Phenanthrene	ug/L	ND	1.0	03/25/13 15:40	
Phenol	ug/L	ND	1.0	03/25/13 15:40	
Pyrene	ug/L	ND	1.0	03/25/13 15:40	
2,4,6-Tribromophenol (S)	%	58	10-123	03/25/13 15:40	
2-Fluorobiphenyl (S)	%	63	43-116	03/25/13 15:40	
2-Fluorophenol (S)	%	41	21-110	03/25/13 15:40	
Nitrobenzene-d5 (S)	%	73	35-114	03/25/13 15:40	
Phenol-d6 (S)	%	22	10-110	03/25/13 15:40	
Terphenyl-d14 (S)	%	100	33-141	03/25/13 15:40	

LABORATORY CONTROL SAMPLE: 557563

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	5	3.7	73	12-105	
1,4-Dichlorobenzene	ug/L	5	2.6	53	10-95	
1-Methylnaphthalene	ug/L	5	3.9	78	15-106	N2
2,4-Dinitrotoluene	ug/L	5	2.8	56	10-133	
2-Chlorophenol	ug/L	5	2.9	58	10-111	
2-Methylnaphthalene	ug/L	5	3.1	62	10-98	
4-Chloro-3-methylphenol	ug/L	5	3.2	63	10-129	
4-Nitrophenol	ug/L	5	1.7	34	10-54	
Acenaphthene	ug/L	5	3.1	63	12-123	

QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089861

LABORATORY CONTROL SAMPLE: 557563

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthylene	ug/L	5	3.0	61	11-131	
Anthracene	ug/L	5	3.6	73	11-135	
Benzo(a)anthracene	ug/L	5	3.2	64	24-138	
Benzo(a)pyrene	ug/L	5	4.0	79	20-136	
Benzo(b)fluoranthene	ug/L	5	3.3	65	19-147	
Benzo(g,h,i)perylene	ug/L	5	4.0	79	11-156	
Benzo(k)fluoranthene	ug/L	5	4.4	87	22-154	
Chrysene	ug/L	5	4.4	88	14-158	
Dibenz(a,h)anthracene	ug/L	5	3.9	77	13-154	
Fluoranthene	ug/L	5	3.6	73	20-135	
Fluorene	ug/L	5	3.6	71	11-128	
Indeno(1,2,3-cd)pyrene	ug/L	5	3.7	75	15-148	
N-Nitroso-di-n-propylamine	ug/L	5	1.7	35	10-136	
Naphthalene	ug/L	5	3.5	71	12-116	
Pentachlorophenol	ug/L	5	3.5	70	13-129	
Phenanthrene	ug/L	5	3.5	69	13-134	
Phenol	ug/L	5	.98J	20	10-47	
Pyrene	ug/L	5	3.5	70	10-158	
2,4,6-Tribromophenol (S)	%			56	10-123	
2-Fluorobiphenyl (S)	%			61	43-116	
2-Fluorophenol (S)	%			36	21-110	
Nitrobenzene-d5 (S)	%			66	35-114	
Phenol-d6 (S)	%			20	10-110	
Terphenyl-d14 (S)	%			81	33-141	

QUALITY CONTROL DATA

Project: Coke Point Landfill
Pace Project No.: 3089861

QC Batch: WET/17575 Analysis Method: EPA 180.1
QC Batch Method: EPA 180.1 Analysis Description: 180.1 Turbidity
Associated Lab Samples: 3089861001, 3089861002, 3089861003, 3089861004, 3089861005, 3089861006, 3089861007, 3089861008, 3089861009

METHOD BLANK: 556306 Matrix: Water
Associated Lab Samples: 3089861001, 3089861002, 3089861003, 3089861004, 3089861005, 3089861006, 3089861007, 3089861008, 3089861009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Turbidity	NTU	ND	0.10	03/20/13 20:27	

LABORATORY CONTROL SAMPLE: 556307

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Turbidity	NTU	8	8.0	100	85-115	

SAMPLE DUPLICATE: 556308

Parameter	Units	3089861009 Result	Dup Result	RPD	Qualifiers
Turbidity	NTU	0.19	0.19	0	

QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089861

QC Batch: WET/17590

Analysis Method: SM 2320B

QC Batch Method: SM 2320B

Analysis Description: 2320B Alkalinity

Associated Lab Samples: 3089861001, 3089861002, 3089861003, 3089861004, 3089861005, 3089861006, 3089861007, 3089861008, 3089861009

METHOD BLANK: 556547

Matrix: Water

Associated Lab Samples: 3089861001, 3089861002, 3089861003, 3089861004, 3089861005, 3089861006, 3089861007, 3089861008, 3089861009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	03/26/13 17:30	

LABORATORY CONTROL SAMPLE: 556548

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	20	20.0	100	85-115	

MATRIX SPIKE SAMPLE: 556549

Parameter	Units	3089789001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	1300	100	1400	100	80-120	

SAMPLE DUPLICATE: 556550

Parameter	Units	3089789001 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	1300	1100	17	

QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089861

QC Batch: WET/17595

Analysis Method: SM 2540C

QC Batch Method: SM 2540C

Analysis Description: 2540C Total Dissolved Solids

Associated Lab Samples: 3089861001, 3089861002, 3089861003, 3089861004, 3089861005, 3089861006, 3089861007, 3089861008, 3089861009

METHOD BLANK: 556927

Matrix: Water

Associated Lab Samples: 3089861001, 3089861002, 3089861003, 3089861004, 3089861005, 3089861006, 3089861007, 3089861008, 3089861009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	03/21/13 12:45	

LABORATORY CONTROL SAMPLE: 556928

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	1000	968	97	85-115	

SAMPLE DUPLICATE: 556929

Parameter	Units	3089945005 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	195	197	1	

QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089861

QC Batch: WET/17587

Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B

Analysis Description: 4500H+B pH

Associated Lab Samples: 3089861001, 3089861002, 3089861003, 3089861004, 3089861005, 3089861006, 3089861007, 3089861008, 3089861009

SAMPLE DUPLICATE: 559363

Parameter	Units	3089874001 Result	Dup Result	RPD	Qualifiers
pH at 25 Degrees C	Std. Units	4.2	4.3	1	H6

QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089861

QC Batch: WET/17657

Analysis Method: EPA 9050

QC Batch Method: EPA 9050

Analysis Description: 9050 Specific Conductance

Associated Lab Samples: 3089861001, 3089861002, 3089861003, 3089861004, 3089861005, 3089861006, 3089861007, 3089861008, 3089861009

METHOD BLANK: 558944

Matrix: Water

Associated Lab Samples: 3089861001, 3089861002, 3089861003, 3089861004, 3089861005, 3089861006, 3089861007, 3089861008, 3089861009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Specific Conductance	umhos/cm	ND	1.0	03/26/13 11:47	

LABORATORY CONTROL SAMPLE: 558945

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Specific Conductance	umhos/cm	1410	1360	96	85-115	

SAMPLE DUPLICATE: 558946

Parameter	Units	3089789001 Result	Dup Result	RPD	Qualifiers
Specific Conductance	umhos/cm	8750	8760	.1	

QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089861

QC Batch: WETA/12218

Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1

Analysis Description: 350.1 Ammonia

Associated Lab Samples: 3089861001, 3089861002, 3089861003, 3089861004, 3089861005, 3089861006, 3089861007, 3089861008, 3089861009

METHOD BLANK: 558483

Matrix: Water

Associated Lab Samples: 3089861001, 3089861002, 3089861003, 3089861004, 3089861005, 3089861006, 3089861007, 3089861008, 3089861009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	03/25/13 15:58	

METHOD BLANK: 558484

Matrix: Water

Associated Lab Samples: 3089861001, 3089861002, 3089861003, 3089861004, 3089861005, 3089861006, 3089861007, 3089861008, 3089861009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	03/25/13 15:59	

LABORATORY CONTROL SAMPLE: 558485

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	4	4.0	101	85-115	

MATRIX SPIKE SAMPLE: 558486

Parameter	Units	3089765002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	4	3.1	77	85-115	M1

SAMPLE DUPLICATE: 558487

Parameter	Units	3089765002 Result	Dup Result	RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	ND		

QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089861

QC Batch: WETA/12244

Analysis Method: EPA 410.4

QC Batch Method: EPA 410.4

Analysis Description: 410.4 COD

Associated Lab Samples: 3089861001, 3089861002, 3089861003, 3089861004, 3089861005, 3089861006, 3089861007, 3089861008, 3089861009

METHOD BLANK: 559094

Matrix: Water

Associated Lab Samples: 3089861001, 3089861002, 3089861003, 3089861004, 3089861005, 3089861006, 3089861007, 3089861008, 3089861009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	25.0	03/26/13 08:00	

METHOD BLANK: 559098

Matrix: Water

Associated Lab Samples: 3089861001, 3089861002, 3089861003, 3089861004, 3089861005, 3089861006, 3089861007, 3089861008, 3089861009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	25.0	03/26/13 08:00	

LABORATORY CONTROL SAMPLE: 559095

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	300	310	103	90-110	

MATRIX SPIKE SAMPLE: 559096

Parameter	Units	3089861001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	26.9	150	172	97	90-110	

SAMPLE DUPLICATE: 559097

Parameter	Units	3089861001 Result	Dup Result	RPD	Qualifiers
Chemical Oxygen Demand	mg/L	26.9	29.0	8	

QUALITY CONTROL DATA

Project: Coke Point Landfill
Pace Project No.: 3089861

QC Batch: WETA/12202 Analysis Method: SM 4500-Cl-E
QC Batch Method: SM 4500-Cl-E Analysis Description: 4500 Chloride
Associated Lab Samples: 3089861001, 3089861002, 3089861003, 3089861004, 3089861005, 3089861006, 3089861007, 3089861008, 3089861009

METHOD BLANK: 557552 Matrix: Water
Associated Lab Samples: 3089861001, 3089861002, 3089861003, 3089861004, 3089861005, 3089861006, 3089861007, 3089861008, 3089861009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	3.0	03/22/13 08:08	

LABORATORY CONTROL SAMPLE: 557553

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	40	38.8	97	85-115	

MATRIX SPIKE SAMPLE: 557554

Parameter	Units	3089711001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	ND	20	24.2	109	85-115	

SAMPLE DUPLICATE: 557555

Parameter	Units	3089711001 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	ND	2.4J		

QUALITY CONTROL DATA

Project: Coke Point Landfill
Pace Project No.: 3089861

QC Batch: WETA/12253 Analysis Method: ASTM D516-90,02
QC Batch Method: ASTM D516-90,02 Analysis Description: ASTM D516-9002 Sulfate Water
Associated Lab Samples: 3089861001, 3089861002, 3089861003, 3089861004, 3089861005, 3089861006, 3089861007, 3089861008, 3089861009

METHOD BLANK: 559471 Matrix: Water
Associated Lab Samples: 3089861001, 3089861002, 3089861003, 3089861004, 3089861005, 3089861006, 3089861007, 3089861008, 3089861009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	ND	10.0	03/27/13 11:26	

LABORATORY CONTROL SAMPLE: 559472

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	30	29.6	99	85-115	

MATRIX SPIKE SAMPLE: 559473

Parameter	Units	3089356001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	19.6	20	39.3	99	85-115	

SAMPLE DUPLICATE: 559474

Parameter	Units	3089356001 Result	Dup Result	RPD	Qualifiers
Sulfate	mg/L	19.6	19.7	.7	

QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089861

QC Batch: WETA/12186 Analysis Method: SM 4500-NO2 B
 QC Batch Method: SM 4500-NO2 B Analysis Description: SM4500NO2-B, Nitrite, unpres
 Associated Lab Samples: 3089861001, 3089861002, 3089861003, 3089861004, 3089861005, 3089861006, 3089861007, 3089861008, 3089861009

METHOD BLANK: 556484 Matrix: Water
 Associated Lab Samples: 3089861001, 3089861002, 3089861003, 3089861004, 3089861005, 3089861006, 3089861007, 3089861008, 3089861009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	ND	0.010	03/20/13 18:54	

LABORATORY CONTROL SAMPLE: 556485

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	.1	0.10	103	85-115	

MATRIX SPIKE SAMPLE: 556487

Parameter	Units	3089861009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	ND	.1	0.083	83	85-115	M3

SAMPLE DUPLICATE: 556486

Parameter	Units	3089861009 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	ND	ND		

QUALITY CONTROL DATA

Project: Coke Point Landfill
Pace Project No.: 3089861

QC Batch: WETA/12220 Analysis Method: SM 4500-NO3 F
QC Batch Method: SM 4500-NO3 F Analysis Description: SM4500NO3-F, Nitrate, Preserved
Associated Lab Samples: 3089861001, 3089861002, 3089861003, 3089861004, 3089861005, 3089861006, 3089861007, 3089861008, 3089861009

METHOD BLANK: 558492 Matrix: Water
Associated Lab Samples: 3089861001, 3089861002, 3089861003, 3089861004, 3089861005, 3089861006, 3089861007, 3089861008, 3089861009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	ND	0.10	03/25/13 09:16	

LABORATORY CONTROL SAMPLE: 558493

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	4	3.9	98	85-115	

MATRIX SPIKE SAMPLE: 558494

Parameter	Units	3089789001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	ND	5	4.7	94	85-115	

SAMPLE DUPLICATE: 558495

Parameter	Units	3089789001 Result	Dup Result	RPD	Qualifiers
Nitrate as N	mg/L	ND	ND		

QUALIFIERS

Project: Coke Point Landfill
Pace Project No.: 3089861

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

PASI-PA Pace Analytical Services - Greensburg

SAMPLE QUALIFIERS

Sample: 3089861001

[1] Lower RLs required for some VOCs, pH, Alkalinity, Chloride, Nitrate, COD, Sulfate - All samples

BATCH QUALIFIERS

Batch: OEXT/14573

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

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

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

E Analyte concentration exceeded the calibration range. The reported result is estimated.

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

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

L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

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

QUALIFIERS

Project: Coke Point Landfill

Pace Project No.: 3089861

ANALYTE QUALIFIERS

- M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
- M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
- M3 Matrix spike recovery was outside laboratory control limits due to matrix interferences.
- M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.
- N2 The lab does not hold TNI accreditation for this parameter.
- P8 Analyte was detected in the method blank. All associated samples had concentrations of at least ten times greater than the blank or were below the reporting limit.
- R1 RPD value was outside control limits.
- S2 Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis).

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Coke Point Landfill
Pace Project No.: 3089861

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3089861001	CP02 PZM007	SM 2340B	ICP/9740		
3089861002	CP02 PZM026	SM 2340B	ICP/9740		
3089861003	CP05 PZM028	SM 2340B	ICP/9740		
3089861004	CP08 PZM008	SM 2340B	ICP/9740		
3089861005	CP08 PZM034	SM 2340B	ICP/9740		
3089861006	CP10 PZM008	SM 2340B	ICP/9740		
3089861007	CP12 PZM012	SM 2340B	ICP/9740		
3089861008	CP12 PZM052	SM 2340B	ICP/9740		
3089861009	CP16 PZM035	SM 2340B	ICP/9740		
3089861001	CP02 PZM007	EPA 3005	MPRP/10335	EPA 6010B	ICP/9723
3089861002	CP02 PZM026	EPA 3005	MPRP/10335	EPA 6010B	ICP/9723
3089861003	CP05 PZM028	EPA 3005	MPRP/10335	EPA 6010B	ICP/9723
3089861004	CP08 PZM008	EPA 3005	MPRP/10335	EPA 6010B	ICP/9723
3089861005	CP08 PZM034	EPA 3005	MPRP/10335	EPA 6010B	ICP/9723
3089861006	CP10 PZM008	EPA 3005	MPRP/10335	EPA 6010B	ICP/9723
3089861007	CP12 PZM012	EPA 3005	MPRP/10335	EPA 6010B	ICP/9723
3089861008	CP12 PZM052	EPA 3005	MPRP/10335	EPA 6010B	ICP/9723
3089861009	CP16 PZM035	EPA 3005	MPRP/10335	EPA 6010B	ICP/9723
3089861001	CP02 PZM007	EPA 3020	MPRP/38126	EPA 6020	ICPM/15592
3089861002	CP02 PZM026	EPA 3020	MPRP/38126	EPA 6020	ICPM/15592
3089861003	CP05 PZM028	EPA 3020	MPRP/38126	EPA 6020	ICPM/15592
3089861004	CP08 PZM008	EPA 3020	MPRP/38126	EPA 6020	ICPM/15592
3089861005	CP08 PZM034	EPA 3020	MPRP/38126	EPA 6020	ICPM/15592
3089861006	CP10 PZM008	EPA 3020	MPRP/38126	EPA 6020	ICPM/15592
3089861007	CP12 PZM012	EPA 3020	MPRP/38126	EPA 6020	ICPM/15592
3089861008	CP12 PZM052	EPA 3020	MPRP/38126	EPA 6020	ICPM/15592
3089861009	CP16 PZM035	EPA 3020	MPRP/38126	EPA 6020	ICPM/15592
3089861007	CP12 PZM012	EPA 3020	MPRP/38127	EPA 6020	ICPM/15593
3089861008	CP12 PZM052	EPA 3020	MPRP/38127	EPA 6020	ICPM/15593
3089861001	CP02 PZM007	EPA 7470	MERP/8175	EPA 7470	MERC/9241
3089861002	CP02 PZM026	EPA 7470	MERP/8175	EPA 7470	MERC/9241
3089861003	CP05 PZM028	EPA 7470	MERP/8175	EPA 7470	MERC/9241
3089861004	CP08 PZM008	EPA 7470	MERP/8175	EPA 7470	MERC/9241
3089861005	CP08 PZM034	EPA 7470	MERP/8175	EPA 7470	MERC/9241
3089861006	CP10 PZM008	EPA 7470	MERP/8175	EPA 7470	MERC/9241
3089861007	CP12 PZM012	EPA 7470	MERP/8175	EPA 7470	MERC/9241
3089861008	CP12 PZM052	EPA 7470	MERP/8175	EPA 7470	MERC/9241
3089861009	CP16 PZM035	EPA 7470	MERP/8175	EPA 7470	MERC/9241
3089861007	CP12 PZM012	EPA 7470	MERP/8173	EPA 7470	MERC/9236
3089861008	CP12 PZM052	EPA 7470	MERP/8173	EPA 7470	MERC/9236
3089861004	CP08 PZM008	EPA 3510	OEXT/14573	EPA 8270	MSSV/4956
3089861009	CP16 PZM035	EPA 3510	OEXT/14573	EPA 8270	MSSV/4956
3089861001	CP02 PZM007	EPA 8260	MSV/15607		
3089861002	CP02 PZM026	EPA 8260	MSV/15607		
3089861003	CP05 PZM028	EPA 8260	MSV/15607		

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Coke Point Landfill
Pace Project No.: 3089861

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3089861004	CP08 PZM008	EPA 8260	MSV/15607		
3089861005	CP08 PZM034	EPA 8260	MSV/15622		
3089861006	CP10 PZM008	EPA 8260	MSV/15607		
3089861007	CP12 PZM012	EPA 8260	MSV/15607		
3089861008	CP12 PZM052	EPA 8260	MSV/15607		
3089861009	CP16 PZM035	EPA 8260	MSV/15607		
3089861001	CP02 PZM007	EPA 180.1	WET/17575		
3089861002	CP02 PZM026	EPA 180.1	WET/17575		
3089861003	CP05 PZM028	EPA 180.1	WET/17575		
3089861004	CP08 PZM008	EPA 180.1	WET/17575		
3089861005	CP08 PZM034	EPA 180.1	WET/17575		
3089861006	CP10 PZM008	EPA 180.1	WET/17575		
3089861007	CP12 PZM012	EPA 180.1	WET/17575		
3089861008	CP12 PZM052	EPA 180.1	WET/17575		
3089861009	CP16 PZM035	EPA 180.1	WET/17575		
3089861001	CP02 PZM007	SM 2320B	WET/17590		
3089861002	CP02 PZM026	SM 2320B	WET/17590		
3089861003	CP05 PZM028	SM 2320B	WET/17590		
3089861004	CP08 PZM008	SM 2320B	WET/17590		
3089861005	CP08 PZM034	SM 2320B	WET/17590		
3089861006	CP10 PZM008	SM 2320B	WET/17590		
3089861007	CP12 PZM012	SM 2320B	WET/17590		
3089861008	CP12 PZM052	SM 2320B	WET/17590		
3089861009	CP16 PZM035	SM 2320B	WET/17590		
3089861001	CP02 PZM007	SM 2540C	WET/17595		
3089861002	CP02 PZM026	SM 2540C	WET/17595		
3089861003	CP05 PZM028	SM 2540C	WET/17595		
3089861004	CP08 PZM008	SM 2540C	WET/17595		
3089861005	CP08 PZM034	SM 2540C	WET/17595		
3089861006	CP10 PZM008	SM 2540C	WET/17595		
3089861007	CP12 PZM012	SM 2540C	WET/17595		
3089861008	CP12 PZM052	SM 2540C	WET/17595		
3089861009	CP16 PZM035	SM 2540C	WET/17595		
3089861001	CP02 PZM007	SM 4500-H+B	WET/17587		
3089861002	CP02 PZM026	SM 4500-H+B	WET/17587		
3089861003	CP05 PZM028	SM 4500-H+B	WET/17587		
3089861004	CP08 PZM008	SM 4500-H+B	WET/17587		
3089861005	CP08 PZM034	SM 4500-H+B	WET/17587		
3089861006	CP10 PZM008	SM 4500-H+B	WET/17587		
3089861007	CP12 PZM012	SM 4500-H+B	WET/17587		
3089861008	CP12 PZM052	SM 4500-H+B	WET/17587		
3089861009	CP16 PZM035	SM 4500-H+B	WET/17587		
3089861001	CP02 PZM007	EPA 9050	WET/17657		
3089861002	CP02 PZM026	EPA 9050	WET/17657		
3089861003	CP05 PZM028	EPA 9050	WET/17657		

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Coke Point Landfill
Pace Project No.: 3089861

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3089861004	CP08 PZM008	EPA 9050	WET/17657		
3089861005	CP08 PZM034	EPA 9050	WET/17657		
3089861006	CP10 PZM008	EPA 9050	WET/17657		
3089861007	CP12 PZM012	EPA 9050	WET/17657		
3089861008	CP12 PZM052	EPA 9050	WET/17657		
3089861009	CP16 PZM035	EPA 9050	WET/17657		
3089861001	CP02 PZM007	EPA 350.1	WETA/12218		
3089861002	CP02 PZM026	EPA 350.1	WETA/12218		
3089861003	CP05 PZM028	EPA 350.1	WETA/12218		
3089861004	CP08 PZM008	EPA 350.1	WETA/12218		
3089861005	CP08 PZM034	EPA 350.1	WETA/12218		
3089861006	CP10 PZM008	EPA 350.1	WETA/12218		
3089861007	CP12 PZM012	EPA 350.1	WETA/12218		
3089861008	CP12 PZM052	EPA 350.1	WETA/12218		
3089861009	CP16 PZM035	EPA 350.1	WETA/12218		
3089861001	CP02 PZM007	EPA 410.4	WETA/12244		
3089861002	CP02 PZM026	EPA 410.4	WETA/12244		
3089861003	CP05 PZM028	EPA 410.4	WETA/12244		
3089861004	CP08 PZM008	EPA 410.4	WETA/12244		
3089861005	CP08 PZM034	EPA 410.4	WETA/12244		
3089861006	CP10 PZM008	EPA 410.4	WETA/12244		
3089861007	CP12 PZM012	EPA 410.4	WETA/12244		
3089861008	CP12 PZM052	EPA 410.4	WETA/12244		
3089861009	CP16 PZM035	EPA 410.4	WETA/12244		
3089861001	CP02 PZM007	SM 4500-CI-E	WETA/12202		
3089861002	CP02 PZM026	SM 4500-CI-E	WETA/12202		
3089861003	CP05 PZM028	SM 4500-CI-E	WETA/12202		
3089861004	CP08 PZM008	SM 4500-CI-E	WETA/12202		
3089861005	CP08 PZM034	SM 4500-CI-E	WETA/12202		
3089861006	CP10 PZM008	SM 4500-CI-E	WETA/12202		
3089861007	CP12 PZM012	SM 4500-CI-E	WETA/12202		
3089861008	CP12 PZM052	SM 4500-CI-E	WETA/12202		
3089861009	CP16 PZM035	SM 4500-CI-E	WETA/12202		
3089861001	CP02 PZM007	ASTM D516-90,02	WETA/12253		
3089861002	CP02 PZM026	ASTM D516-90,02	WETA/12253		
3089861003	CP05 PZM028	ASTM D516-90,02	WETA/12253		
3089861004	CP08 PZM008	ASTM D516-90,02	WETA/12253		
3089861005	CP08 PZM034	ASTM D516-90,02	WETA/12253		
3089861006	CP10 PZM008	ASTM D516-90,02	WETA/12253		
3089861007	CP12 PZM012	ASTM D516-90,02	WETA/12253		
3089861008	CP12 PZM052	ASTM D516-90,02	WETA/12253		
3089861009	CP16 PZM035	ASTM D516-90,02	WETA/12253		
3089861001	CP02 PZM007	SM 4500-NO2 B	WETA/12186		
3089861002	CP02 PZM026	SM 4500-NO2 B	WETA/12186		
3089861003	CP05 PZM028	SM 4500-NO2 B	WETA/12186		
3089861004	CP08 PZM008	SM 4500-NO2 B	WETA/12186		

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Coke Point Landfill

Pace Project No.: 3089861

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3089861005	CP08 PZM034	SM 4500-NO2 B	WETA/12186		
3089861006	CP10 PZM008	SM 4500-NO2 B	WETA/12186		
3089861007	CP12 PZM012	SM 4500-NO2 B	WETA/12186		
3089861008	CP12 PZM052	SM 4500-NO2 B	WETA/12186		
3089861009	CP16 PZM035	SM 4500-NO2 B	WETA/12186		
3089861001	CP02 PZM007	SM 4500-NO3 F	WETA/12220		
3089861002	CP02 PZM026	SM 4500-NO3 F	WETA/12220		
3089861003	CP05 PZM028	SM 4500-NO3 F	WETA/12220		
3089861004	CP08 PZM008	SM 4500-NO3 F	WETA/12220		
3089861005	CP08 PZM034	SM 4500-NO3 F	WETA/12220		
3089861006	CP10 PZM008	SM 4500-NO3 F	WETA/12220		
3089861007	CP12 PZM012	SM 4500-NO3 F	WETA/12220		
3089861008	CP12 PZM052	SM 4500-NO3 F	WETA/12220		
3089861009	CP16 PZM035	SM 4500-NO3 F	WETA/12220		

March 27, 2013

Mr. James Calenda
ELT/Sparrows Point LLC
200 Harry S. Truman Pkwy
Suite 330
Annapolis, MD 21401

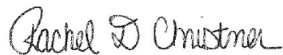
RE: Project: Coke Point Landfill
Pace Project No.: 3089789

Dear Mr. Calenda:

Enclosed are the analytical results for sample(s) received by the laboratory on March 19, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Rachel Christner

rachel.christner@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: Coke Point Landfill

Pace Project No.: 3089789

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414

A2LA Certification #: 2926.01

Alaska Certification #: UST-078

Alaska Certification #MN00064

Arizona Certification #: AZ-0014

Arkansas Certification #: 88-0680

California Certification #: 01155CA

Colorado Certification #Pace

Connecticut Certification #: PH-0256

EPA Region 8 Certification #: Pace

Florida/NELAP Certification #: E87605

Georgia Certification #: 959

Hawaii Certification #Pace

Idaho Certification #: MN00064

Illinois Certification #: 200011

Kansas Certification #: E-10167

Louisiana Certification #: 03086

Louisiana Certification #: LA080009

Maine Certification #: 2007029

Maryland Certification #: 322

Michigan DEQ Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace

Montana Certification #: MT CERT0092

Nevada Certification #: MN_00064

Nebraska Certification #: Pace

New Jersey Certification #: MN-002

New York Certification #: 11647

North Carolina Certification #: 530

North Dakota Certification #: R-036

North Dakota Certification #: R-036A

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon Certification #: MN200001

Oregon Certification #: MN300001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification

Tennessee Certification #: 02818

Texas Certification #: T104704192

Utah Certification #: MN00064

Virginia/DCLS Certification #: 002521

Virginia/VELAP Certification #: 460163

Washington Certification #: C754

West Virginia Certification #: 382

Wisconsin Certification #: 999407970

Pennsylvania Certification IDs

1638 Roseytown Rd Suites 2,3&4 Greensburg, PA 15601

ACLASS DOD-ELAP Accreditation #: ADE-1544

Alabama Certification #: 41590

Arizona Certification #: AZ0734

Arkansas Certification

California/TNI Certification #: 04222CA

Colorado Certification

Connecticut Certification #: PH-0694

Delaware Certification

Florida/TNI Certification #: E87683

Guam/PADEP Certification

Hawaii/PADEP Certification

Idaho Certification

Illinois/PADEP Certification

Indiana/PADEP Certification

Iowa Certification #: 391

Kansas/TNI Certification #: E-10358

Kentucky Certification #: 90133

Louisiana/TNI Certification #: LA080002

Louisiana/TNI Certification #: 4086

Maine Certification #: PA0091

Maryland Certification #: 308

Massachusetts Certification #: M-PA1457

Michigan/PADEP Certification

Missouri Certification #: 235

Montana Certification #: Cert 0082

Nevada Certification

New Hampshire/TNI Certification #: 2976

New Jersey/TNI Certification #: PA 051

New Mexico Certification

New York/TNI Certification #: 10888

North Carolina Certification #: 42706

Oregon/TNI Certification #: PA200002

Pennsylvania/TNI Certification #: 65-00282

Puerto Rico Certification #: PA01457

South Dakota Certification

Tennessee Certification #: TN2867

Texas/TNI Certification #: T104704188

Utah/TNI Certification #: ANTE

Virgin Island/PADEP Certification

Virginia Certification #: 00112

Virginia/VELAP Certification #: 460198

Washington Certification #: C868

West Virginia Certification #: 143

Wisconsin/PADEP Certification

Wyoming Certification #: 8TMS-Q

REPORT OF LABORATORY ANALYSIS

SAMPLE ANALYTE COUNT

Project: Coke Point Landfill

Pace Project No.: 3089789

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3089789001	CP05 PZM008	SM 2340B	RTW	1	PASI-PA
		EPA 6020	TT3	21	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8270	TB1	75	PASI-PA
		EPA 8260	JAS	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	CLP	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		ASTM D516-90,02	CLP	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
3089789002	CP05 PZM019	SM 2340B	RTW	1	PASI-PA
		EPA 6020	TT3	21	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8260	JAS	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	CLP	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		ASTM D516-90,02	CLP	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
		3089789003	CP07 PZM006	SM 2340B	RTW
EPA 6020	TT3			21	PASI-M
EPA 7470	TEM			1	PASI-M
EPA 8270	TB1			75	PASI-PA
EPA 8260	JAS			51	PASI-PA
EPA 180.1	PAS			1	PASI-PA

REPORT OF LABORATORY ANALYSIS

SAMPLE ANALYTE COUNT

Project: Coke Point Landfill

Pace Project No.: 3089789

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	CLP	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		ASTM D516-90,02	CLP	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
3089789004	CP09 PZM010	SM 2340B	RTW	1	PASI-PA
		EPA 6020	TT3	21	PASI-M
		EPA 6020	TT3	21	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8260	JAS	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	CLP	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		ASTM D516-90,02	CLP	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
3089789005	CP09 PZM047	SM 2340B	RTW	1	PASI-PA
		EPA 6020	TT3	21	PASI-M
		EPA 6020	TT3	21	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8260	JAS	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

SAMPLE ANALYTE COUNT

Project: Coke Point Landfill

Pace Project No.: 3089789

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3089789006	CP11 PZM010	EPA 9050	CLP	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		ASTM D516-90,02	CLP	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
		SM 2340B	RTW	1	PASI-PA
		EPA 6020	TT3	21	PASI-M
		EPA 6020	TT3	21	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8260	JAS	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	CLP	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
SM 4500-CI-E	AMS	1	PASI-PA		
ASTM D516-90,02	CLP	1	PASI-PA		
SM 4500-NO2 B	PAS	1	PASI-PA		
SM 4500-NO3 F	AMS	1	PASI-PA		
3089789007	CP14 PZM009	SM 2340B	RTW	1	PASI-PA
		EPA 6020	TT3	21	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8260	JAS	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	CLP	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		ASTM D516-90,02	CLP	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

SAMPLE ANALYTE COUNT

Project: Coke Point Landfill
Pace Project No.: 3089789

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3089789008	CP14 PZM062	SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
		SM 2340B	RTW	1	PASI-PA
		EPA 6020	TT3	21	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8260	JAS	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	CLP	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		ASTM D516-90,02	CLP	1	PASI-PA
		3089789009	CP15 PZM020	SM 4500-NO2 B	PAS
SM 4500-NO3 F	AMS			1	PASI-PA
SM 2340B	RTW			1	PASI-PA
EPA 6020	TT3			21	PASI-M
EPA 6020	TT3			21	PASI-M
EPA 7470	TEM			1	PASI-M
EPA 7470	TEM			1	PASI-M
EPA 8270	TB1			75	PASI-PA
EPA 8260	JAS			51	PASI-PA
EPA 180.1	PAS			1	PASI-PA
SM 2320B	AMS			1	PASI-PA
SM 2540C	PAS			1	PASI-PA
SM 4500-H+B	JLS			1	PASI-PA
EPA 9050	CLP			1	PASI-PA
EPA 350.1	AMS			1	PASI-PA
EPA 410.4	DLH			1	PASI-PA
SM 4500-CI-E	AMS	1	PASI-PA		
ASTM D516-90,02	CLP	1	PASI-PA		
3089789010	CP15 PZM042	SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
		SM 2340B	RTW	1	PASI-PA
		EPA 6020	TT3	21	PASI-M

REPORT OF LABORATORY ANALYSIS

SAMPLE ANALYTE COUNT

Project: Coke Point Landfill

Pace Project No.: 3089789

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6020	TT3	21	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8260	JAS	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	CLP	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		ASTM D516-90,02	CLP	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089789

Sample: CP05 PZM008	Lab ID: 3089789001	Collected: 03/18/13 10:00	Received: 03/19/13 09:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)	Analytical Method: SM 2340B							
Total Hardness	1560 mg/L		21.0	10		03/22/13 12:49		
	Analytical Method: EPA 6010B Preparation Method: EPA 3005							
Calcium	625000 ug/L		10000	10	03/20/13 14:23	03/22/13 12:49	7440-70-2	
Magnesium	ND ug/L		200	1	03/20/13 14:23	03/21/13 13:54	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 10:55	7440-36-0	D3
Arsenic	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 10:55	7440-38-2	D3
Barium	0.60 mg/L		0.0015	5	03/21/13 19:42	03/24/13 10:55	7440-39-3	
Beryllium	ND mg/L		0.0010	5	03/21/13 19:42	03/24/13 10:55	7440-41-7	D3
Cadmium	ND mg/L		0.00040	5	03/21/13 19:42	03/24/13 10:55	7440-43-9	D3
Calcium	606 mg/L		1.0	50	03/21/13 19:42	03/24/13 11:01	7440-70-2	
Chromium	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 10:55	7440-47-3	D3
Cobalt	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 10:55	7440-48-4	D3
Copper	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 10:55	7440-50-8	D3
Iron	ND mg/L		0.25	5	03/21/13 19:42	03/24/13 10:55	7439-89-6	D3
Lead	ND mg/L		0.00050	5	03/21/13 19:42	03/24/13 10:55	7439-92-1	D3
Magnesium	ND mg/L		0.025	5	03/21/13 19:42	03/24/13 10:55	7439-95-4	D3
Manganese	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 10:55	7439-96-5	D3
Nickel	0.0055 mg/L		0.0025	5	03/21/13 19:42	03/24/13 10:55	7440-02-0	
Potassium	57.0 mg/L		0.10	5	03/21/13 19:42	03/24/13 10:55	7440-09-7	
Selenium	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 10:55	7782-49-2	D3
Silver	0.0038 mg/L		0.0025	5	03/21/13 19:42	03/24/13 10:55	7440-22-4	D3
Sodium	184 mg/L		2.5	50	03/21/13 19:42	03/24/13 11:01	7440-23-5	
Thallium	ND mg/L		0.00050	5	03/21/13 19:42	03/24/13 10:55	7440-28-0	D3
Vanadium	0.0030 mg/L		0.00050	5	03/21/13 19:42	03/24/13 10:55	7440-62-2	
Zinc	ND mg/L		0.025	5	03/21/13 19:42	03/24/13 10:55	7440-66-6	D3
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND mg/L		0.00020	1	03/21/13 18:58	03/22/13 10:46	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	2.3 ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	83-32-9	
Acenaphthylene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	208-96-8	
Anthracene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	120-12-7	
Azobenzene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	103-33-3	N2
Benzo(a)anthracene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	56-55-3	
Benzo(a)pyrene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	50-32-8	
Benzo(b)fluoranthene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	191-24-2	
Benzo(k)fluoranthene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	207-08-9	
Benzoic acid	ND ug/L		108	1	03/22/13 09:30	03/25/13 16:26	65-85-0	
Benzyl alcohol	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	100-51-6	
4-Bromophenylphenyl ether	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	101-55-3	
Butylbenzylphthalate	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	85-68-7	

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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089789

Sample: CP05 PZM008	Lab ID: 3089789001	Collected: 03/18/13 10:00	Received: 03/19/13 09:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Carbazole	1.6 ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	86-74-8	
4-Chloro-3-methylphenol	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	59-50-7	
4-Chloroaniline	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	111-91-1	
bis(2-Chloroethyl) ether	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	108-60-1	
2-Chloronaphthalene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	91-58-7	
2-Chlorophenol	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	95-57-8	
4-Chlorophenylphenyl ether	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	7005-72-3	
Chrysene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	53-70-3	
Dibenzofuran	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	132-64-9	
1,2-Dichlorobenzene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	106-46-7	
3,3'-Dichlorobenzidine	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	91-94-1	
2,4-Dichlorophenol	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	120-83-2	
Diethylphthalate	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	84-66-2	
2,4-Dimethylphenol	2.4 ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	105-67-9	
Dimethylphthalate	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	131-11-3	
Di-n-butylphthalate	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/L		2.7	1	03/22/13 09:30	03/25/13 16:26	534-52-1	
2,4-Dinitrophenol	ND ug/L		2.7	1	03/22/13 09:30	03/25/13 16:26	51-28-5	
2,4-Dinitrotoluene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	121-14-2	
2,6-Dinitrotoluene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	606-20-2	
Di-n-octylphthalate	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	117-81-7	
Fluoranthene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	206-44-0	
Fluorene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	86-73-7	
Hexachloro-1,3-butadiene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	87-68-3	
Hexachlorobenzene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	118-74-1	
Hexachlorocyclopentadiene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	77-47-4	
Hexachloroethane	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	193-39-5	
Isophorone	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	78-59-1	
1-Methylnaphthalene	2.0 ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	90-12-0	N2
2-Methylnaphthalene	1.4 ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	95-48-7	
3&4-Methylphenol(m&p Cresol)	3.4 ug/L		2.2	1	03/22/13 09:30	03/25/13 16:26		
Naphthalene	13.8 ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	91-20-3	
2-Nitroaniline	ND ug/L		2.7	1	03/22/13 09:30	03/25/13 16:26	88-74-4	
3-Nitroaniline	ND ug/L		2.7	1	03/22/13 09:30	03/25/13 16:26	99-09-2	
4-Nitroaniline	ND ug/L		2.7	1	03/22/13 09:30	03/25/13 16:26	100-01-6	
Nitrobenzene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	98-95-3	
2-Nitrophenol	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	88-75-5	
4-Nitrophenol	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	100-02-7	
N-Nitrosodimethylamine	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	62-75-9	

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ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089789

Sample: CP05 PZM008		Lab ID: 3089789001	Collected: 03/18/13 10:00	Received: 03/19/13 09:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510						
N-Nitroso-di-n-propylamine	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	621-64-7	
N-Nitrosodiphenylamine	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	86-30-6	
Pentachlorophenol	ND ug/L		2.7	1	03/22/13 09:30	03/25/13 16:26	87-86-5	
Phenanthrene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	85-01-8	
Phenol	4.3 ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	108-95-2	
Pyrene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	129-00-0	
1,2,4-Trichlorobenzene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	120-82-1	
2,4,5-Trichlorophenol	ND ug/L		2.7	1	03/22/13 09:30	03/25/13 16:26	95-95-4	
2,4,6-Trichlorophenol	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:26	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	40 %		35-114	1	03/22/13 09:30	03/25/13 16:26	4165-60-0	
2-Fluorobiphenyl (S)	40 %		43-116	1	03/22/13 09:30	03/25/13 16:26	321-60-8	S2
Terphenyl-d14 (S)	72 %		33-141	1	03/22/13 09:30	03/25/13 16:26	1718-51-0	
Phenol-d6 (S)	15 %		10-110	1	03/22/13 09:30	03/25/13 16:26	13127-88-3	
2-Fluorophenol (S)	23 %		21-110	1	03/22/13 09:30	03/25/13 16:26	367-12-4	
2,4,6-Tribromophenol (S)	47 %		10-123	1	03/22/13 09:30	03/25/13 16:26	118-79-6	
8260 MSV		Analytical Method: EPA 8260						
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/20/13 12:04	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/20/13 12:04	71-55-6	
1,1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/20/13 12:04	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/20/13 12:04	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/20/13 12:04	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/20/13 12:04	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/20/13 12:04	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/20/13 12:04	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/20/13 12:04	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/20/13 12:04	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/20/13 12:04	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/20/13 12:04	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/20/13 12:04	106-46-7	
2-Butanone (MEK)	ND ug/L		5.0	1		03/20/13 12:04	78-93-3	
2-Hexanone	ND ug/L		5.0	1		03/20/13 12:04	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		03/20/13 12:04	108-10-1	
Acetone	32.3 ug/L		5.0	1		03/20/13 12:04	67-64-1	
Acrylonitrile	ND ug/L		2.0	1		03/20/13 12:04	107-13-1	
Benzene	11.8 ug/L		1.0	1		03/20/13 12:04	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		03/20/13 12:04	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		03/20/13 12:04	75-27-4	
Bromoform	ND ug/L		1.0	1		03/20/13 12:04	75-25-2	
Bromomethane	ND ug/L		1.0	1		03/20/13 12:04	74-83-9	
Carbon disulfide	2.9 ug/L		1.0	1		03/20/13 12:04	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		03/20/13 12:04	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		03/20/13 12:04	108-90-7	
Chloroethane	ND ug/L		1.0	1		03/20/13 12:04	75-00-3	
Chloroform	ND ug/L		1.0	1		03/20/13 12:04	67-66-3	
Chloromethane	ND ug/L		1.0	1		03/20/13 12:04	74-87-3	

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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Coke Point Landfill

Sample Project No.: 3089789

Sample: CP05 PZM008		Lab ID: 3089789001	Collected: 03/18/13 10:00	Received: 03/19/13 09:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Dibromochloromethane	ND	ug/L	1.0	1		03/20/13 12:04	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/20/13 12:04	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/20/13 12:04	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/20/13 12:04	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/20/13 12:04	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/20/13 12:04	75-09-2	
Styrene	ND	ug/L	1.0	1		03/20/13 12:04	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/20/13 12:04	127-18-4	
Toluene	3.1	ug/L	1.0	1		03/20/13 12:04	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/20/13 12:04	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/20/13 12:04	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/20/13 12:04	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/20/13 12:04	75-01-4	
Xylene (Total)	4.2	ug/L	1.0	1		03/20/13 12:04	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/20/13 12:04	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/20/13 12:04	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/20/13 12:04	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/20/13 12:04	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/20/13 12:04	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	102	%	85-115	1		03/20/13 12:04	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	77-119	1		03/20/13 12:04	17060-07-0	
Toluene-d8 (S)	97	%	85-115	1		03/20/13 12:04	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	0.27	NTU	0.10	1		03/19/13 14:29		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	1300	mg/L	1.0	1		03/26/13 17:30		
2540C Total Dissolved Solids		Analytical Method: SM 2540C						
Total Dissolved Solids	2140	mg/L	10.0	1		03/20/13 14:10		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	12.5	Std. Units	0.10	1		03/19/13 15:10		H6
9050 Specific Conductance		Analytical Method: EPA 9050						
Specific Conductance	8750	umhos/cm	1.0	1		03/26/13 11:47		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	6.2	mg/L	0.10	1		03/25/13 16:00	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	70.4	mg/L	10.0	1		03/22/13 10:05		

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089789

Sample: CP05 PZM008		Lab ID: 3089789001		Collected: 03/18/13 10:00	Received: 03/19/13 09:50	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500 Chloride		Analytical Method: SM 4500-Cl-E						
Chloride	650	mg/L	60.0	20		03/22/13 08:16	16887-00-6	
ASTM D516-9002 Sulfate Water		Analytical Method: ASTM D516-90,02						
Sulfate	82.0	mg/L	1.9	5		03/26/13 15:08	14808-79-8	
SM4500NO2-B, Nitrite, unpres		Analytical Method: SM 4500-NO2 B						
Nitrite as N	0.18	mg/L	0.010	1		03/19/13 19:08	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd		Analytical Method: SM 4500-NO3 F						
Nitrate as N	ND	mg/L	0.060	1		03/25/13 09:16	14797-55-8	

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089789

Sample: CP05 PZM019	Lab ID: 3089789002	Collected: 03/18/13 10:00	Received: 03/19/13 09:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)								
Analytical Method: SM 2340B								
Total Hardness	1880 mg/L		21.0	10		03/22/13 13:01		
Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Calcium	751000 ug/L		10000	10	03/20/13 14:23	03/22/13 13:01	7440-70-2	
Magnesium	ND ug/L		200	1	03/20/13 14:23	03/21/13 14:06	7439-95-4	
6020 MET ICPMS								
Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Antimony	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 11:06	7440-36-0	D3
Arsenic	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 11:06	7440-38-2	D3
Barium	0.88 mg/L		0.0015	5	03/21/13 19:42	03/24/13 11:06	7440-39-3	
Beryllium	ND mg/L		0.0010	5	03/21/13 19:42	03/24/13 11:06	7440-41-7	D3
Cadmium	ND mg/L		0.00040	5	03/21/13 19:42	03/24/13 11:06	7440-43-9	D3
Calcium	780 mg/L		1.0	50	03/21/13 19:42	03/24/13 11:11	7440-70-2	
Chromium	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 11:06	7440-47-3	D3
Cobalt	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 11:06	7440-48-4	D3
Copper	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 11:06	7440-50-8	D3
Iron	ND mg/L		0.25	5	03/21/13 19:42	03/24/13 11:06	7439-89-6	D3
Lead	ND mg/L		0.00050	5	03/21/13 19:42	03/24/13 11:06	7439-92-1	D3
Magnesium	0.11 mg/L		0.025	5	03/21/13 19:42	03/24/13 11:06	7439-95-4	
Manganese	0.011 mg/L		0.0025	5	03/21/13 19:42	03/24/13 11:06	7439-96-5	
Nickel	0.011 mg/L		0.0025	5	03/21/13 19:42	03/24/13 11:06	7440-02-0	
Potassium	74.0 mg/L		0.10	5	03/21/13 19:42	03/24/13 11:06	7440-09-7	
Selenium	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 11:06	7782-49-2	D3
Silver	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 11:06	7440-22-4	D3
Sodium	686 mg/L		2.5	50	03/21/13 19:42	03/24/13 11:11	7440-23-5	
Thallium	ND mg/L		0.00050	5	03/21/13 19:42	03/24/13 11:06	7440-28-0	D3
Vanadium	0.0015 mg/L		0.00050	5	03/21/13 19:42	03/24/13 11:06	7440-62-2	
Zinc	ND mg/L		0.025	5	03/21/13 19:42	03/24/13 11:06	7440-66-6	D3
7470 Mercury								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND mg/L		0.00020	1	03/21/13 18:58	03/22/13 10:48	7439-97-6	
8260 MSV								
Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/20/13 12:31	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/20/13 12:31	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/20/13 12:31	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/20/13 12:31	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/20/13 12:31	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/20/13 12:31	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/20/13 12:31	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/20/13 12:31	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/20/13 12:31	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/20/13 12:31	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/20/13 12:31	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/20/13 12:31	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/20/13 12:31	106-46-7	

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089789

Sample: CP05 PZM019		Lab ID: 3089789002	Collected: 03/18/13 10:00	Received: 03/19/13 09:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
2-Butanone (MEK)	ND	ug/L	5.0	1		03/20/13 12:31	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		03/20/13 12:31	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/20/13 12:31	108-10-1	
Acetone	22.1	ug/L	5.0	1		03/20/13 12:31	67-64-1	
Acrylonitrile	ND	ug/L	2.0	1		03/20/13 12:31	107-13-1	
Benzene	37.9	ug/L	1.0	1		03/20/13 12:31	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/20/13 12:31	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/20/13 12:31	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/20/13 12:31	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/20/13 12:31	74-83-9	
Carbon disulfide	3.0	ug/L	1.0	1		03/20/13 12:31	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/20/13 12:31	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/20/13 12:31	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/20/13 12:31	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/20/13 12:31	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/20/13 12:31	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/20/13 12:31	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/20/13 12:31	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/20/13 12:31	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/20/13 12:31	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/20/13 12:31	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/20/13 12:31	75-09-2	
Styrene	ND	ug/L	1.0	1		03/20/13 12:31	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/20/13 12:31	127-18-4	
Toluene	8.8	ug/L	1.0	1		03/20/13 12:31	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/20/13 12:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/20/13 12:31	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/20/13 12:31	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/20/13 12:31	75-01-4	
Xylene (Total)	7.7	ug/L	1.0	1		03/20/13 12:31	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/20/13 12:31	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/20/13 12:31	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/20/13 12:31	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/20/13 12:31	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/20/13 12:31	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	103 %		85-115	1		03/20/13 12:31	460-00-4	
1,2-Dichloroethane-d4 (S)	98 %		77-119	1		03/20/13 12:31	17060-07-0	
Toluene-d8 (S)	99 %		85-115	1		03/20/13 12:31	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	0.40	NTU	0.10	1		03/19/13 14:29		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	1300	mg/L	1.0	1		03/26/13 17:30		

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089789

Sample: CP05 PZM019		Lab ID: 3089789002		Collected: 03/18/13 10:00	Received: 03/19/13 09:50	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	3220	mg/L	10.0	1		03/20/13 14:10		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	12.5	Std. Units	0.10	1		03/19/13 15:10		H6
9050 Specific Conductance	Analytical Method: EPA 9050							
Specific Conductance	11800	umhos/cm	1.0	1		03/26/13 11:47		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	7.3	mg/L	0.10	1		03/25/13 16:01	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	85.6	mg/L	10.0	1		03/22/13 10:05		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	1730	mg/L	60.0	20		03/22/13 08:16	16887-00-6	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	29.4	mg/L	0.38	1		03/26/13 14:45	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	0.043	mg/L	0.010	1		03/19/13 19:08	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	ND	mg/L	0.060	1		03/25/13 09:16	14797-55-8	

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089789

Sample: CP07 PZM006	Lab ID: 3089789003	Collected: 03/18/13 16:00	Received: 03/19/13 09:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)	Analytical Method: SM 2340B							
Total Hardness	300 mg/L		2.1	1		03/21/13 14:08		
	Analytical Method: EPA 6010B Preparation Method: EPA 3005							
Calcium	120000 ug/L		1000	1	03/20/13 14:23	03/21/13 14:08	7440-70-2	
Magnesium	ND ug/L		200	1	03/20/13 14:23	03/21/13 14:08	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 11:15	7440-36-0	D3
Arsenic	0.0045 mg/L		0.0025	5	03/21/13 19:42	03/24/13 11:15	7440-38-2	
Barium	0.090 mg/L		0.0015	5	03/21/13 19:42	03/24/13 11:15	7440-39-3	
Beryllium	ND mg/L		0.0010	5	03/21/13 19:42	03/24/13 11:15	7440-41-7	D3
Cadmium	ND mg/L		0.00040	5	03/21/13 19:42	03/24/13 11:15	7440-43-9	D3
Calcium	135 mg/L		1.0	50	03/21/13 19:42	03/24/13 11:20	7440-70-2	M6
Chromium	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 11:15	7440-47-3	D3
Cobalt	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 11:15	7440-48-4	D3
Copper	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 11:15	7440-50-8	D3,M6
Iron	ND mg/L		0.25	5	03/21/13 19:42	03/24/13 11:15	7439-89-6	D3
Lead	ND mg/L		0.00050	5	03/21/13 19:42	03/24/13 11:15	7439-92-1	D3
Magnesium	0.087 mg/L		0.025	5	03/21/13 19:42	03/24/13 11:15	7439-95-4	
Manganese	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 11:15	7439-96-5	D3
Nickel	0.0065 mg/L		0.0025	5	03/21/13 19:42	03/24/13 11:15	7440-02-0	
Potassium	78.3 mg/L		0.10	5	03/21/13 19:42	03/24/13 11:15	7440-09-7	M6
Selenium	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 11:15	7782-49-2	D3
Silver	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 11:15	7440-22-4	D3
Sodium	152 mg/L		2.5	50	03/21/13 19:42	03/24/13 11:20	7440-23-5	M6
Thallium	ND mg/L		0.00050	5	03/21/13 19:42	03/24/13 11:15	7440-28-0	D3
Vanadium	0.15 mg/L		0.00050	5	03/21/13 19:42	03/24/13 11:15	7440-62-2	
Zinc	ND mg/L		0.025	5	03/21/13 19:42	03/24/13 11:15	7440-66-6	D3
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND mg/L		0.00020	1	03/21/13 18:58	03/22/13 10:56	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	83-32-9	
Acenaphthylene	1.2 ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	208-96-8	
Anthracene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	120-12-7	
Azobenzene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	103-33-3	N2
Benzo(a)anthracene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	56-55-3	
Benzo(a)pyrene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	50-32-8	
Benzo(b)fluoranthene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	191-24-2	
Benzo(k)fluoranthene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	207-08-9	
Benzoic acid	ND ug/L		106	1	03/22/13 09:30	03/25/13 16:48	65-85-0	
Benzyl alcohol	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	100-51-6	
4-Bromophenylphenyl ether	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	101-55-3	
Butylbenzylphthalate	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	85-68-7	

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089789

Sample: CP07 PZM006	Lab ID: 3089789003	Collected: 03/18/13 16:00	Received: 03/19/13 09:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic								
Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Carbazole	2.6 ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	86-74-8	
4-Chloro-3-methylphenol	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	59-50-7	
4-Chloroaniline	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	111-91-1	
bis(2-Chloroethyl) ether	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	108-60-1	
2-Chloronaphthalene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	91-58-7	
2-Chlorophenol	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	95-57-8	
4-Chlorophenylphenyl ether	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	7005-72-3	
Chrysene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	53-70-3	
Dibenzofuran	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	132-64-9	
1,2-Dichlorobenzene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	106-46-7	
3,3'-Dichlorobenzidine	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	91-94-1	
2,4-Dichlorophenol	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	120-83-2	
Diethylphthalate	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	84-66-2	
2,4-Dimethylphenol	170 ug/L		10.6	10	03/22/13 09:30	03/26/13 15:46	105-67-9	
Dimethylphthalate	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	131-11-3	
Di-n-butylphthalate	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/L		2.7	1	03/22/13 09:30	03/25/13 16:48	534-52-1	
2,4-Dinitrophenol	ND ug/L		2.7	1	03/22/13 09:30	03/25/13 16:48	51-28-5	
2,4-Dinitrotoluene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	121-14-2	
2,6-Dinitrotoluene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	606-20-2	
Di-n-octylphthalate	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	117-81-7	
Fluoranthene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	206-44-0	
Fluorene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	86-73-7	
Hexachloro-1,3-butadiene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	87-68-3	
Hexachlorobenzene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	118-74-1	
Hexachlorocyclopentadiene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	77-47-4	
Hexachloroethane	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	193-39-5	
Isophorone	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	78-59-1	
1-Methylnaphthalene	2.2 ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	90-12-0	N2
2-Methylnaphthalene	2.1 ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	91-57-6	
2-Methylphenol(o-Cresol)	41.8 ug/L		10.6	10	03/22/13 09:30	03/26/13 15:46	95-48-7	
3&4-Methylphenol(m&p Cresol)	135 ug/L		21.3	10	03/22/13 09:30	03/26/13 15:46		
Naphthalene	64.8 ug/L		10.6	10	03/22/13 09:30	03/26/13 15:46	91-20-3	
2-Nitroaniline	ND ug/L		2.7	1	03/22/13 09:30	03/25/13 16:48	88-74-4	
3-Nitroaniline	ND ug/L		2.7	1	03/22/13 09:30	03/25/13 16:48	99-09-2	
4-Nitroaniline	ND ug/L		2.7	1	03/22/13 09:30	03/25/13 16:48	100-01-6	
Nitrobenzene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	98-95-3	
2-Nitrophenol	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	88-75-5	
4-Nitrophenol	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	100-02-7	
N-Nitrosodimethylamine	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	62-75-9	

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ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089789

Sample: CP07 PZM006	Lab ID: 3089789003	Collected: 03/18/13 16:00	Received: 03/19/13 09:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic								
Analytical Method: EPA 8270 Preparation Method: EPA 3510								
N-Nitroso-di-n-propylamine	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	621-64-7	
N-Nitrosodiphenylamine	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	86-30-6	
Pentachlorophenol	ND ug/L		2.7	1	03/22/13 09:30	03/25/13 16:48	87-86-5	
Phenanthrene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	85-01-8	
Phenol	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	108-95-2	
Pyrene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	129-00-0	
1,2,4-Trichlorobenzene	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	120-82-1	
2,4,5-Trichlorophenol	ND ug/L		2.7	1	03/22/13 09:30	03/25/13 16:48	95-95-4	
2,4,6-Trichlorophenol	ND ug/L		1.1	1	03/22/13 09:30	03/25/13 16:48	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	48 %		35-114	1	03/22/13 09:30	03/25/13 16:48	4165-60-0	
2-Fluorobiphenyl (S)	50 %		43-116	1	03/22/13 09:30	03/25/13 16:48	321-60-8	
Terphenyl-d14 (S)	68 %		33-141	1	03/22/13 09:30	03/25/13 16:48	1718-51-0	
Phenol-d6 (S)	14 %		10-110	1	03/22/13 09:30	03/25/13 16:48	13127-88-3	
2-Fluorophenol (S)	27 %		21-110	1	03/22/13 09:30	03/25/13 16:48	367-12-4	
2,4,6-Tribromophenol (S)	52 %		10-123	1	03/22/13 09:30	03/25/13 16:48	118-79-6	
8260 MSV								
Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/20/13 12:58	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/20/13 12:58	71-55-6	
1,1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/20/13 12:58	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/20/13 12:58	79-00-5	
1,1-Dichloroethane	1.9 ug/L		1.0	1		03/20/13 12:58	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/20/13 12:58	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/20/13 12:58	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/20/13 12:58	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/20/13 12:58	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/20/13 12:58	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/20/13 12:58	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/20/13 12:58	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/20/13 12:58	106-46-7	
2-Butanone (MEK)	ND ug/L		5.0	1		03/20/13 12:58	78-93-3	
2-Hexanone	ND ug/L		5.0	1		03/20/13 12:58	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		03/20/13 12:58	108-10-1	
Acetone	ND ug/L		5.0	1		03/20/13 12:58	67-64-1	
Acrylonitrile	ND ug/L		2.0	1		03/20/13 12:58	107-13-1	
Benzene	547 ug/L		10.0	10		03/21/13 15:28	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		03/20/13 12:58	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		03/20/13 12:58	75-27-4	
Bromoform	ND ug/L		1.0	1		03/20/13 12:58	75-25-2	
Bromomethane	ND ug/L		1.0	1		03/20/13 12:58	74-83-9	
Carbon disulfide	ND ug/L		1.0	1		03/20/13 12:58	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		03/20/13 12:58	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		03/20/13 12:58	108-90-7	
Chloroethane	ND ug/L		1.0	1		03/20/13 12:58	75-00-3	
Chloroform	ND ug/L		1.0	1		03/20/13 12:58	67-66-3	
Chloromethane	ND ug/L		1.0	1		03/20/13 12:58	74-87-3	

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ANALYTICAL RESULTS

Project: Coke Point Landfill

Project No.: 3089789

Sample: CP07 PZM006	Lab ID: 3089789003	Collected: 03/18/13 16:00	Received: 03/19/13 09:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Dibromochloromethane	ND	ug/L	1.0	1		03/20/13 12:58	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/20/13 12:58	74-95-3	
Ethylbenzene	2.9	ug/L	1.0	1		03/20/13 12:58	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/20/13 12:58	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/20/13 12:58	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/20/13 12:58	75-09-2	
Styrene	ND	ug/L	1.0	1		03/20/13 12:58	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/20/13 12:58	127-18-4	
Toluene	58.7	ug/L	1.0	1		03/20/13 12:58	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/20/13 12:58	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/20/13 12:58	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/20/13 12:58	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/20/13 12:58	75-01-4	
Xylene (Total)	28.8	ug/L	1.0	1		03/20/13 12:58	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/20/13 12:58	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/20/13 12:58	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/20/13 12:58	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/20/13 12:58	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/20/13 12:58	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	94 %		85-115	1		03/20/13 12:58	460-00-4	
1,2-Dichloroethane-d4 (S)	94 %		77-119	1		03/20/13 12:58	17060-07-0	
Toluene-d8 (S)	101 %		85-115	1		03/20/13 12:58	2037-26-5	
180.1 Turbidity	Analytical Method: EPA 180.1							
Turbidity	0.25	NTU	0.10	1		03/19/13 14:29		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total as CaCO3	400	mg/L	1.0	1		03/26/13 17:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	909	mg/L	10.0	1		03/20/13 14:10		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	7.4	Std. Units	0.10	1		03/19/13 18:55		H6
9050 Specific Conductance	Analytical Method: EPA 9050							
Specific Conductance	2900	umhos/cm	1.0	1		03/26/13 11:47		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	23.4	mg/L	0.50	5		03/25/13 16:02	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	50.8	mg/L	10.0	1		03/22/13 10:05		

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089789

Sample: CP07 PZM006		Lab ID: 3089789003	Collected: 03/18/13 16:00	Received: 03/19/13 09:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	208	mg/L	30.0	10		03/22/13 08:39	16887-00-6	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	345	mg/L	1.9	5		03/26/13 15:10	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	0.21	mg/L	0.010	1		03/19/13 19:10	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	0.36	mg/L	0.060	1		03/25/13 09:16	14797-55-8	

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089789

Sample: CP09 PZM010	Lab ID: 3089789004	Collected: 03/18/13 11:24	Received: 03/19/13 09:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)	Analytical Method: SM 2340B							
Total Hardness	1730 mg/L		21.0	10		03/22/13 13:04		
	Analytical Method: EPA 6010B Preparation Method: EPA 3005							
Calcium	656000 ug/L		10000	10	03/20/13 14:23	03/22/13 13:04	7440-70-2	
Magnesium	22300 ug/L		200	1	03/20/13 14:23	03/21/13 14:11	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 11:25	7440-36-0	D3
Arsenic	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 11:25	7440-38-2	D3
Barium	0.13 mg/L		0.0015	5	03/21/13 19:42	03/24/13 11:25	7440-39-3	
Beryllium	ND mg/L		0.0010	5	03/21/13 19:42	03/24/13 11:25	7440-41-7	D3
Cadmium	ND mg/L		0.00040	5	03/21/13 19:42	03/24/13 11:25	7440-43-9	D3
Calcium	697 mg/L		4.0	200	03/21/13 19:42	03/24/13 11:29	7440-70-2	
Chromium	0.017 mg/L		0.0025	5	03/21/13 19:42	03/24/13 11:25	7440-47-3	
Cobalt	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 11:25	7440-48-4	D3
Copper	0.0057 mg/L		0.0025	5	03/21/13 19:42	03/24/13 11:25	7440-50-8	
Iron	ND mg/L		0.25	5	03/21/13 19:42	03/24/13 11:25	7439-89-6	
Lead	0.031 mg/L		0.00050	5	03/21/13 19:42	03/24/13 11:25	7439-92-1	
Magnesium	21.5 mg/L		0.025	5	03/21/13 19:42	03/24/13 11:25	7439-95-4	
Manganese	0.0070 mg/L		0.0025	5	03/21/13 19:42	03/24/13 11:25	7439-96-5	
Nickel	0.0067 mg/L		0.0025	5	03/21/13 19:42	03/24/13 11:25	7440-02-0	
Potassium	87.1 mg/L		0.10	5	03/21/13 19:42	03/24/13 11:25	7440-09-7	
Selenium	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 11:25	7782-49-2	D3
Silver	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 11:25	7440-22-4	D3
Sodium	1910 mg/L		10.0	200	03/21/13 19:42	03/24/13 11:29	7440-23-5	
Thallium	ND mg/L		0.00050	5	03/21/13 19:42	03/24/13 11:25	7440-28-0	D3
Vanadium	0.020 mg/L		0.00050	5	03/21/13 19:42	03/24/13 11:25	7440-62-2	
Zinc	ND mg/L		0.025	5	03/21/13 19:42	03/24/13 11:25	7440-66-6	D3
6020 MET ICPMS, Dissolved	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony, Dissolved	ND mg/L		0.0025	5	03/21/13 19:06	03/24/13 07:55	7440-36-0	D3
Arsenic, Dissolved	ND mg/L		0.0025	5	03/21/13 19:06	03/24/13 07:55	7440-38-2	D3
Barium, Dissolved	0.13 mg/L		0.0015	5	03/21/13 19:06	03/24/13 07:55	7440-39-3	
Beryllium, Dissolved	ND mg/L		0.0010	5	03/21/13 19:06	03/24/13 07:55	7440-41-7	D3
Cadmium, Dissolved	ND mg/L		0.00040	5	03/21/13 19:06	03/24/13 07:55	7440-43-9	D3
Calcium, Dissolved	691 mg/L		2.0	100	03/21/13 19:06	03/24/13 08:00	7440-70-2	M6
Chromium, Dissolved	0.017 mg/L		0.0025	5	03/21/13 19:06	03/24/13 07:55	7440-47-3	
Cobalt, Dissolved	ND mg/L		0.0025	5	03/21/13 19:06	03/24/13 07:55	7440-48-4	D3
Copper, Dissolved	0.0045 mg/L		0.0025	5	03/21/13 19:06	03/24/13 07:55	7440-50-8	
Iron, Dissolved	ND mg/L		0.25	5	03/21/13 19:06	03/24/13 07:55	7439-89-6	D3
Lead, Dissolved	0.015 mg/L		0.00050	5	03/21/13 19:06	03/24/13 07:55	7439-92-1	
Magnesium, Dissolved	0.060 mg/L		0.025	5	03/21/13 19:06	03/24/13 07:55	7439-95-4	
Manganese, Dissolved	ND mg/L		0.0025	5	03/21/13 19:06	03/24/13 07:55	7439-96-5	D3
Nickel, Dissolved	0.0067 mg/L		0.0025	5	03/21/13 19:06	03/24/13 07:55	7440-02-0	
Potassium, Dissolved	87.8 mg/L		0.10	5	03/21/13 19:06	03/24/13 07:55	7440-09-7	M6
Selenium, Dissolved	ND mg/L		0.0025	5	03/21/13 19:06	03/24/13 07:55	7782-49-2	D3

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ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089789

Sample: CP09 PZM010	Lab ID: 3089789004	Collected: 03/18/13 11:24	Received: 03/19/13 09:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS, Dissolved								
Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Silver, Dissolved	0.0076	mg/L	0.0025	5	03/21/13 19:06	03/24/13 07:55	7440-22-4	M6,R1
Sodium, Dissolved	1940	mg/L	5.0	100	03/21/13 19:06	03/24/13 08:00	7440-23-5	M6
Thallium, Dissolved	ND	mg/L	0.00050	5	03/21/13 19:06	03/24/13 07:55	7440-28-0	D3
Vanadium, Dissolved	0.0097	mg/L	0.00050	5	03/21/13 19:06	03/24/13 07:55	7440-62-2	
Zinc, Dissolved	ND	mg/L	0.025	5	03/21/13 19:06	03/24/13 07:55	7440-66-6	D3
7470 Mercury								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	mg/L	0.00020	1	03/21/13 18:58	03/22/13 11:44	7439-97-6	
7470 Mercury, Dissolved								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	ND	mg/L	0.00020	1	03/21/13 19:44	03/22/13 12:11	7439-97-6	
8260 MSV								
Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/21/13 15:54	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/21/13 15:54	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/21/13 15:54	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/21/13 15:54	79-00-5	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/21/13 15:54	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		03/21/13 15:54	75-35-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/21/13 15:54	96-18-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		03/21/13 15:54	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/21/13 15:54	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/21/13 15:54	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/21/13 15:54	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/21/13 15:54	78-87-5	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/21/13 15:54	106-46-7	
2-Butanone (MEK)	5.5	ug/L	5.0	1		03/21/13 15:54	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		03/21/13 15:54	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/21/13 15:54	108-10-1	
Acetone	44.1	ug/L	5.0	1		03/21/13 15:54	67-64-1	
Acrylonitrile	ND	ug/L	2.0	1		03/21/13 15:54	107-13-1	
Benzene	5.6	ug/L	1.0	1		03/21/13 15:54	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/21/13 15:54	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/21/13 15:54	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/21/13 15:54	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/21/13 15:54	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		03/21/13 15:54	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/21/13 15:54	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/21/13 15:54	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/21/13 15:54	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/21/13 15:54	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/21/13 15:54	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/21/13 15:54	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/21/13 15:54	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/21/13 15:54	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/21/13 15:54	74-88-4	

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089789

Sample: CP09 PZM010	Lab ID: 3089789004	Collected: 03/18/13 11:24	Received: 03/19/13 09:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Methyl-tert-butyl ether	ND ug/L		1.0	1		03/21/13 15:54	1634-04-4	
Methylene Chloride	ND ug/L		1.0	1		03/21/13 15:54	75-09-2	
Styrene	ND ug/L		1.0	1		03/21/13 15:54	100-42-5	
Tetrachloroethene	ND ug/L		1.0	1		03/21/13 15:54	127-18-4	
Toluene	2.0 ug/L		1.0	1		03/21/13 15:54	108-88-3	
Trichloroethene	ND ug/L		1.0	1		03/21/13 15:54	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		03/21/13 15:54	75-69-4	
Vinyl acetate	ND ug/L		1.0	1		03/21/13 15:54	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		03/21/13 15:54	75-01-4	
Xylene (Total)	ND ug/L		1.0	1		03/21/13 15:54	1330-20-7	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		03/21/13 15:54	156-59-2	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		03/21/13 15:54	10061-01-5	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		03/21/13 15:54	156-60-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		03/21/13 15:54	10061-02-6	
trans-1,4-Dichloro-2-butene	ND ug/L		1.0	1		03/21/13 15:54	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	100 %		85-115	1		03/21/13 15:54	460-00-4	
1,2-Dichloroethane-d4 (S)	101 %		77-119	1		03/21/13 15:54	17060-07-0	
Toluene-d8 (S)	94 %		85-115	1		03/21/13 15:54	2037-26-5	
180.1 Turbidity	Analytical Method: EPA 180.1							
Turbidity	8.6 NTU		0.10	1		03/19/13 14:29		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total as CaCO3	500 mg/L		1.0	1		03/26/13 17:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	6350 mg/L		10.0	1		03/20/13 14:10		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	12.2 Std. Units		0.10	1		03/19/13 15:10		H6
9050 Specific Conductance	Analytical Method: EPA 9050							
Specific Conductance	14300 umhos/cm		1.0	1		03/26/13 11:47		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	8.0 mg/L		0.10	1		03/25/13 16:02	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	157 mg/L		10.0	1		03/22/13 10:05		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	4670 mg/L		150	50		03/22/13 08:39	16887-00-6	

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089789

Sample: CP09 PZM010		Lab ID: 3089789004		Collected: 03/18/13 11:24	Received: 03/19/13 09:50	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
ASTM D516-9002 Sulfate Water		Analytical Method: ASTM D516-90,02						
Sulfate	471	mg/L	9.5	25		03/26/13 15:22	14808-79-8	
SM4500NO2-B, Nitrite, unpres		Analytical Method: SM 4500-NO2 B						
Nitrite as N	0.49	mg/L	0.10	10		03/19/13 19:38	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd		Analytical Method: SM 4500-NO3 F						
Nitrate as N	0.18	mg/L	0.060	1		03/25/13 09:16	14797-55-8	

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089789

Sample: CP09 PZM047	Lab ID: 3089789005	Collected: 03/18/13 11:21	Received: 03/19/13 09:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)	Analytical Method: SM 2340B							
Total Hardness	2220 mg/L		2.1	1		03/21/13 14:14		
	Analytical Method: EPA 6010B Preparation Method: EPA 3005							
Calcium	92600 ug/L		1000	1	03/20/13 14:23	03/21/13 14:14	7440-70-2	
Magnesium	484000 ug/L		200	1	03/20/13 14:23	03/21/13 14:14	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 12:09	7440-36-0	D3
Arsenic	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 12:09	7440-38-2	D3
Barium	0.17 mg/L		0.0015	5	03/21/13 19:42	03/24/13 12:09	7440-39-3	
Beryllium	ND mg/L		0.0010	5	03/21/13 19:42	03/24/13 12:09	7440-41-7	D3
Cadmium	ND mg/L		0.00040	5	03/21/13 19:42	03/24/13 12:09	7440-43-9	D3
Calcium	94.5 mg/L		0.10	5	03/21/13 19:42	03/24/13 12:09	7440-70-2	
Chromium	0.0034 mg/L		0.0025	5	03/21/13 19:42	03/24/13 12:09	7440-47-3	
Cobalt	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 12:09	7440-48-4	D3
Copper	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 12:09	7440-50-8	D3
Iron	16.1 mg/L		0.25	5	03/21/13 19:42	03/24/13 12:09	7439-89-6	
Lead	ND mg/L		0.00050	5	03/21/13 19:42	03/24/13 12:09	7439-92-1	D3
Magnesium	443 mg/L		0.25	50	03/21/13 19:42	03/23/13 18:23	7439-95-4	
Manganese	1.6 mg/L		0.0025	5	03/21/13 19:42	03/24/13 12:09	7439-96-5	
Nickel	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 12:09	7440-02-0	D3
Potassium	142 mg/L		1.0	50	03/21/13 19:42	03/23/13 18:23	7440-09-7	
Selenium	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 12:09	7782-49-2	D3
Silver	0.0027 mg/L		0.0025	5	03/21/13 19:42	03/24/13 12:09	7440-22-4	
Sodium	3720 mg/L		10.0	200	03/21/13 19:42	03/24/13 12:13	7440-23-5	
Thallium	ND mg/L		0.00050	5	03/21/13 19:42	03/24/13 12:09	7440-28-0	D3
Vanadium	0.0085 mg/L		0.00050	5	03/21/13 19:42	03/24/13 12:09	7440-62-2	
Zinc	ND mg/L		0.025	5	03/21/13 19:42	03/24/13 12:09	7440-66-6	D3
6020 MET ICPMS, Dissolved	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony, Dissolved	ND mg/L		0.0025	5	03/21/13 19:06	03/24/13 08:23	7440-36-0	D3
Arsenic, Dissolved	ND mg/L		0.0025	5	03/21/13 19:06	03/24/13 08:23	7440-38-2	D3
Barium, Dissolved	0.17 mg/L		0.0015	5	03/21/13 19:06	03/24/13 08:23	7440-39-3	
Beryllium, Dissolved	ND mg/L		0.0010	5	03/21/13 19:06	03/24/13 08:23	7440-41-7	D3
Cadmium, Dissolved	ND mg/L		0.00040	5	03/21/13 19:06	03/24/13 08:23	7440-43-9	D3
Calcium, Dissolved	91.9 mg/L		0.10	5	03/21/13 19:06	03/24/13 08:23	7440-70-2	
Chromium, Dissolved	0.0033 mg/L		0.0025	5	03/21/13 19:06	03/24/13 08:23	7440-47-3	
Cobalt, Dissolved	ND mg/L		0.0025	5	03/21/13 19:06	03/24/13 08:23	7440-48-4	D3
Copper, Dissolved	ND mg/L		0.0025	5	03/21/13 19:06	03/24/13 08:23	7440-50-8	D3
Iron, Dissolved	16.0 mg/L		0.25	5	03/21/13 19:06	03/24/13 08:23	7439-89-6	
Lead, Dissolved	ND mg/L		0.00050	5	03/21/13 19:06	03/24/13 08:23	7439-92-1	D3
Magnesium, Dissolved	457 mg/L		0.25	50	03/21/13 19:06	03/23/13 15:13	7439-95-4	
Manganese, Dissolved	1.6 mg/L		0.0025	5	03/21/13 19:06	03/24/13 08:23	7439-96-5	
Nickel, Dissolved	ND mg/L		0.0025	5	03/21/13 19:06	03/24/13 08:23	7440-02-0	D3
Potassium, Dissolved	141 mg/L		1.0	50	03/21/13 19:06	03/23/13 15:13	7440-09-7	
Selenium, Dissolved	ND mg/L		0.0025	5	03/21/13 19:06	03/24/13 08:23	7782-49-2	D3

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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089789

Sample: CP09 PZM047	Lab ID: 3089789005	Collected: 03/18/13 11:21	Received: 03/19/13 09:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS, Dissolved								
Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Silver, Dissolved	0.0026	mg/L	0.0025	5	03/21/13 19:06	03/24/13 08:23	7440-22-4	
Sodium, Dissolved	3540	mg/L	25.0	500	03/21/13 19:06	03/24/13 08:27	7440-23-5	
Thallium, Dissolved	ND	mg/L	0.00050	5	03/21/13 19:06	03/24/13 08:23	7440-28-0	D3
Vanadium, Dissolved	0.0083	mg/L	0.00050	5	03/21/13 19:06	03/24/13 08:23	7440-62-2	
Zinc, Dissolved	ND	mg/L	0.025	5	03/21/13 19:06	03/24/13 08:23	7440-66-6	D3
7470 Mercury								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	mg/L	0.00020	1	03/21/13 18:58	03/22/13 11:46	7439-97-6	
7470 Mercury, Dissolved								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	ND	mg/L	0.00020	1	03/21/13 19:44	03/22/13 12:13	7439-97-6	
8260 MSV								
Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/20/13 13:51	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/20/13 13:51	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/20/13 13:51	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/20/13 13:51	79-00-5	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/20/13 13:51	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		03/20/13 13:51	75-35-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/20/13 13:51	96-18-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		03/20/13 13:51	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/20/13 13:51	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/20/13 13:51	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/20/13 13:51	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/20/13 13:51	78-87-5	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/20/13 13:51	106-46-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/20/13 13:51	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		03/20/13 13:51	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/20/13 13:51	108-10-1	
Acetone	ND	ug/L	5.0	1		03/20/13 13:51	67-64-1	
Acrylonitrile	ND	ug/L	2.0	1		03/20/13 13:51	107-13-1	
Benzene	ND	ug/L	1.0	1		03/20/13 13:51	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/20/13 13:51	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/20/13 13:51	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/20/13 13:51	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/20/13 13:51	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		03/20/13 13:51	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/20/13 13:51	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/20/13 13:51	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/20/13 13:51	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/20/13 13:51	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/20/13 13:51	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/20/13 13:51	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/20/13 13:51	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/20/13 13:51	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/20/13 13:51	74-88-4	

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089789

Sample: CP09 PZM047	Lab ID: 3089789005	Collected: 03/18/13 11:21	Received: 03/19/13 09:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Methyl-tert-butyl ether	ND ug/L		1.0	1		03/20/13 13:51	1634-04-4	
Methylene Chloride	ND ug/L		1.0	1		03/20/13 13:51	75-09-2	
Styrene	ND ug/L		1.0	1		03/20/13 13:51	100-42-5	
Tetrachloroethene	ND ug/L		1.0	1		03/20/13 13:51	127-18-4	
Toluene	ND ug/L		1.0	1		03/20/13 13:51	108-88-3	
Trichloroethene	ND ug/L		1.0	1		03/20/13 13:51	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		03/20/13 13:51	75-69-4	
Vinyl acetate	ND ug/L		1.0	1		03/20/13 13:51	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		03/20/13 13:51	75-01-4	
Xylene (Total)	ND ug/L		1.0	1		03/20/13 13:51	1330-20-7	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		03/20/13 13:51	156-59-2	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		03/20/13 13:51	10061-01-5	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		03/20/13 13:51	156-60-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		03/20/13 13:51	10061-02-6	
trans-1,4-Dichloro-2-butene	ND ug/L		1.0	1		03/20/13 13:51	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	98 %		85-115	1		03/20/13 13:51	460-00-4	
1,2-Dichloroethane-d4 (S)	98 %		77-119	1		03/20/13 13:51	17060-07-0	
Toluene-d8 (S)	100 %		85-115	1		03/20/13 13:51	2037-26-5	
180.1 Turbidity	Analytical Method: EPA 180.1							
Turbidity	106 NTU		0.50	5		03/19/13 14:29		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total as CaCO3	1800 mg/L		1.0	1		03/26/13 17:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	10900 mg/L		10.0	1		03/20/13 14:10		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	7.3 Std. Units		0.10	1		03/19/13 15:10		H6
9050 Specific Conductance	Analytical Method: EPA 9050							
Specific Conductance	21100 umhos/cm		1.0	1		03/26/13 11:47		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	190 mg/L		10.0	100		03/25/13 16:03	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	690 mg/L		10.0	1		03/22/13 10:05		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	8250 mg/L		300	100		03/22/13 08:40	16887-00-6	

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089789

Sample: CP09 PZM047		Lab ID: 3089789005		Collected: 03/18/13 11:21	Received: 03/19/13 09:50	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
ASTM D516-9002 Sulfate Water		Analytical Method: ASTM D516-90,02						
Sulfate	6.6	mg/L	0.38	1		03/26/13 14:48	14808-79-8	
SM4500NO2-B, Nitrite, unpres		Analytical Method: SM 4500-NO2 B						
Nitrite as N	ND	mg/L	0.010	1		03/19/13 19:11	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd		Analytical Method: SM 4500-NO3 F						
Nitrate as N	ND	mg/L	0.060	1		03/25/13 09:16	14797-55-8	

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089789

Sample: CP11 PZM010	Lab ID: 3089789006	Collected: 03/18/13 14:05	Received: 03/19/13 09:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)	Analytical Method: SM 2340B							
Total Hardness	1940 mg/L		21.0	10		03/22/13 13:07		
	Analytical Method: EPA 6010B Preparation Method: EPA 3005							
Calcium	778000 ug/L		10000	10	03/20/13 14:23	03/22/13 13:07	7440-70-2	
Magnesium	ND ug/L		200	1	03/20/13 14:23	03/21/13 14:27	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 12:18	7440-36-0	D3
Arsenic	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 12:18	7440-38-2	D3
Barium	0.94 mg/L		0.0015	5	03/21/13 19:42	03/24/13 12:18	7440-39-3	
Beryllium	ND mg/L		0.0010	5	03/21/13 19:42	03/24/13 12:18	7440-41-7	D3
Cadmium	ND mg/L		0.00040	5	03/21/13 19:42	03/24/13 12:18	7440-43-9	D3
Calcium	676 mg/L		1.0	50	03/21/13 19:42	03/25/13 09:10	7440-70-2	
Chromium	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 12:18	7440-47-3	D3
Cobalt	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 12:18	7440-48-4	D3
Copper	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 12:18	7440-50-8	D3
Iron	ND mg/L		0.25	5	03/21/13 19:42	03/24/13 12:18	7439-89-6	D3
Lead	ND mg/L		0.00050	5	03/21/13 19:42	03/24/13 12:18	7439-92-1	D3
Magnesium	0.13 mg/L		0.025	5	03/21/13 19:42	03/24/13 12:18	7439-95-4	
Manganese	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 12:18	7439-96-5	D3
Nickel	0.0086 mg/L		0.0025	5	03/21/13 19:42	03/24/13 12:18	7440-02-0	
Potassium	78.2 mg/L		0.10	5	03/21/13 19:42	03/24/13 12:18	7440-09-7	
Selenium	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 12:18	7782-49-2	D3
Silver	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 12:18	7440-22-4	D3
Sodium	242 mg/L		2.5	50	03/21/13 19:42	03/25/13 09:10	7440-23-5	
Thallium	ND mg/L		0.00050	5	03/21/13 19:42	03/24/13 12:18	7440-28-0	D3
Vanadium	ND mg/L		0.00050	5	03/21/13 19:42	03/24/13 12:18	7440-62-2	D3
Zinc	ND mg/L		0.025	5	03/21/13 19:42	03/24/13 12:18	7440-66-6	D3
6020 MET ICPMS, Dissolved	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony, Dissolved	ND mg/L		0.0025	5	03/21/13 19:06	03/24/13 08:49	7440-36-0	D3
Arsenic, Dissolved	ND mg/L		0.0025	5	03/21/13 19:06	03/24/13 08:49	7440-38-2	D3
Barium, Dissolved	0.95 mg/L		0.0015	5	03/21/13 19:06	03/24/13 08:49	7440-39-3	
Beryllium, Dissolved	ND mg/L		0.0010	5	03/21/13 19:06	03/24/13 08:49	7440-41-7	D3
Cadmium, Dissolved	ND mg/L		0.00040	5	03/21/13 19:06	03/24/13 08:49	7440-43-9	D3
Calcium, Dissolved	854 mg/L		1.0	50	03/21/13 19:06	03/24/13 08:54	7440-70-2	
Chromium, Dissolved	ND mg/L		0.0025	5	03/21/13 19:06	03/24/13 08:49	7440-47-3	D3
Cobalt, Dissolved	ND mg/L		0.0025	5	03/21/13 19:06	03/24/13 08:49	7440-48-4	D3
Copper, Dissolved	ND mg/L		0.0025	5	03/21/13 19:06	03/24/13 08:49	7440-50-8	D3
Iron, Dissolved	ND mg/L		0.25	5	03/21/13 19:06	03/24/13 08:49	7439-89-6	D3
Lead, Dissolved	ND mg/L		0.00050	5	03/21/13 19:06	03/24/13 08:49	7439-92-1	D3
Magnesium, Dissolved	0.030 mg/L		0.025	5	03/21/13 19:06	03/24/13 08:49	7439-95-4	D3
Manganese, Dissolved	ND mg/L		0.0025	5	03/21/13 19:06	03/24/13 08:49	7439-96-5	D3
Nickel, Dissolved	0.0084 mg/L		0.0025	5	03/21/13 19:06	03/24/13 08:49	7440-02-0	
Potassium, Dissolved	79.0 mg/L		0.10	5	03/21/13 19:06	03/24/13 08:49	7440-09-7	
Selenium, Dissolved	ND mg/L		0.0025	5	03/21/13 19:06	03/24/13 08:49	7782-49-2	D3

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089789

Sample: CP11 PZM010	Lab ID: 3089789006	Collected: 03/18/13 14:05	Received: 03/19/13 09:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS, Dissolved								
Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Silver, Dissolved	ND mg/L		0.0025	5	03/21/13 19:06	03/24/13 08:49	7440-22-4	D3
Sodium, Dissolved	261 mg/L		2.5	50	03/21/13 19:06	03/24/13 08:54	7440-23-5	
Thallium, Dissolved	ND mg/L		0.00050	5	03/21/13 19:06	03/24/13 08:49	7440-28-0	D3
Vanadium, Dissolved	ND mg/L		0.00050	5	03/21/13 19:06	03/24/13 08:49	7440-62-2	D3
Zinc, Dissolved	ND mg/L		0.025	5	03/21/13 19:06	03/24/13 08:49	7440-66-6	D3
7470 Mercury								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND mg/L		0.00020	1	03/21/13 18:58	03/22/13 11:49	7439-97-6	
7470 Mercury, Dissolved								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	ND mg/L		0.00020	1	03/21/13 19:44	03/22/13 12:16	7439-97-6	
8260 MSV								
Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/20/13 14:18	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/20/13 14:18	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/20/13 14:18	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/20/13 14:18	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/20/13 14:18	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/20/13 14:18	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/20/13 14:18	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/20/13 14:18	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/20/13 14:18	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/20/13 14:18	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/20/13 14:18	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/20/13 14:18	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/20/13 14:18	106-46-7	
2-Butanone (MEK)	5.9 ug/L		5.0	1		03/20/13 14:18	78-93-3	
2-Hexanone	ND ug/L		5.0	1		03/20/13 14:18	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		03/20/13 14:18	108-10-1	
Acetone	76.2 ug/L		5.0	1		03/20/13 14:18	67-64-1	
Acrylonitrile	ND ug/L		2.0	1		03/20/13 14:18	107-13-1	
Benzene	15.0 ug/L		1.0	1		03/20/13 14:18	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		03/20/13 14:18	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		03/20/13 14:18	75-27-4	
Bromoform	ND ug/L		1.0	1		03/20/13 14:18	75-25-2	
Bromomethane	ND ug/L		1.0	1		03/20/13 14:18	74-83-9	
Carbon disulfide	ND ug/L		1.0	1		03/20/13 14:18	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		03/20/13 14:18	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		03/20/13 14:18	108-90-7	
Chloroethane	ND ug/L		1.0	1		03/20/13 14:18	75-00-3	
Chloroform	ND ug/L		1.0	1		03/20/13 14:18	67-66-3	
Chloromethane	ND ug/L		1.0	1		03/20/13 14:18	74-87-3	
Dibromochloromethane	ND ug/L		1.0	1		03/20/13 14:18	124-48-1	
Dibromomethane	ND ug/L		1.0	1		03/20/13 14:18	74-95-3	
Ethylbenzene	ND ug/L		1.0	1		03/20/13 14:18	100-41-4	
Iodomethane	ND ug/L		1.0	1		03/20/13 14:18	74-88-4	

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089789

Sample: CP11 PZM010	Lab ID: 3089789006	Collected: 03/18/13 14:05	Received: 03/19/13 09:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/20/13 14:18	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/20/13 14:18	75-09-2	
Styrene	ND	ug/L	1.0	1		03/20/13 14:18	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/20/13 14:18	127-18-4	
Toluene	3.4	ug/L	1.0	1		03/20/13 14:18	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/20/13 14:18	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/20/13 14:18	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/20/13 14:18	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/20/13 14:18	75-01-4	
Xylene (Total)	8.7	ug/L	1.0	1		03/20/13 14:18	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/20/13 14:18	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/20/13 14:18	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/20/13 14:18	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/20/13 14:18	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/20/13 14:18	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	100 %		85-115	1		03/20/13 14:18	460-00-4	
1,2-Dichloroethane-d4 (S)	96 %		77-119	1		03/20/13 14:18	17060-07-0	
Toluene-d8 (S)	99 %		85-115	1		03/20/13 14:18	2037-26-5	
180.1 Turbidity	Analytical Method: EPA 180.1							
Turbidity	0.28	NTU	0.10	1		03/19/13 14:29		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total as CaCO3	1800	mg/L	1.0	1		03/26/13 17:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	2600	mg/L	10.0	1		03/20/13 14:10		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	12.7	Std. Units	0.10	1		03/19/13 15:10		H6
9050 Specific Conductance	Analytical Method: EPA 9050							
Specific Conductance	11100	umhos/cm	1.0	1		03/26/13 11:47		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	18.2	mg/L	0.50	5		03/25/13 16:04	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	46.4	mg/L	10.0	1		03/22/13 10:05		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	572	mg/L	60.0	20		03/22/13 08:19	16887-00-6	

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089789

Sample: CP11 PZM010		Lab ID: 3089789006		Collected: 03/18/13 14:05	Received: 03/19/13 09:50	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
ASTM D516-9002 Sulfate Water		Analytical Method: ASTM D516-90,02						
Sulfate	29.6	mg/L	0.38	1		03/26/13 14:48	14808-79-8	
SM4500NO2-B, Nitrite, unpres		Analytical Method: SM 4500-NO2 B						
Nitrite as N	0.43	mg/L	0.010	1		03/19/13 19:11	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd		Analytical Method: SM 4500-NO3 F						
Nitrate as N	ND	mg/L	0.060	1		03/25/13 09:16	14797-55-8	

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089789

Sample: CP14 PZM009	Lab ID: 3089789007	Collected: 03/18/13 15:00	Received: 03/19/13 09:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)								
Analytical Method: SM 2340B								
Total Hardness	2060 mg/L		21.0	10		03/22/13 13:10		
Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Calcium	827000 ug/L		10000	10	03/20/13 14:23	03/22/13 13:10	7440-70-2	
Magnesium	ND ug/L		200	1	03/20/13 14:23	03/21/13 14:30	7439-95-4	
6020 MET ICPMS								
Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Antimony	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 12:53	7440-36-0	D3
Arsenic	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 12:53	7440-38-2	D3
Barium	0.23 mg/L		0.0015	5	03/21/13 19:42	03/24/13 12:53	7440-39-3	
Beryllium	ND mg/L		0.0010	5	03/21/13 19:42	03/23/13 18:54	7440-41-7	D3
Cadmium	ND mg/L		0.00040	5	03/21/13 19:42	03/24/13 12:53	7440-43-9	D3
Calcium	900 mg/L		1.0	50	03/21/13 19:42	03/24/13 12:58	7440-70-2	
Chromium	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 12:53	7440-47-3	D3
Cobalt	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 12:53	7440-48-4	D3
Copper	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 12:53	7440-50-8	D3
Iron	ND mg/L		0.25	5	03/21/13 19:42	03/24/13 12:53	7439-89-6	D3
Lead	ND mg/L		0.00050	5	03/21/13 19:42	03/24/13 12:53	7439-92-1	D3
Magnesium	0.19 mg/L		0.025	5	03/21/13 19:42	03/24/13 12:53	7439-95-4	
Manganese	0.028 mg/L		0.0025	5	03/21/13 19:42	03/24/13 12:53	7439-96-5	
Nickel	0.0043 mg/L		0.0025	5	03/21/13 19:42	03/24/13 12:53	7440-02-0	
Potassium	59.6 mg/L		0.10	5	03/21/13 19:42	03/24/13 12:53	7440-09-7	
Selenium	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 12:53	7782-49-2	D3
Silver	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 12:53	7440-22-4	D3
Sodium	92.4 mg/L		0.25	5	03/21/13 19:42	03/24/13 12:53	7440-23-5	
Thallium	ND mg/L		0.00050	5	03/21/13 19:42	03/24/13 12:53	7440-28-0	D3
Vanadium	0.0015 mg/L		0.00050	5	03/21/13 19:42	03/24/13 12:53	7440-62-2	
Zinc	ND mg/L		0.025	5	03/21/13 19:42	03/24/13 12:53	7440-66-6	D3
7470 Mercury								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND mg/L		0.00020	1	03/21/13 18:58	03/22/13 11:51	7439-97-6	
8260 MSV								
Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/20/13 14:44	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/20/13 14:44	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/20/13 14:44	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/20/13 14:44	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/20/13 14:44	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/20/13 14:44	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/20/13 14:44	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/20/13 14:44	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/20/13 14:44	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/20/13 14:44	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/20/13 14:44	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/20/13 14:44	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/20/13 14:44	106-46-7	

Date: 03/27/2013 04:55 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089789

Sample: CP14 PZM009		Lab ID: 3089789007	Collected: 03/18/13 15:00	Received: 03/19/13 09:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
2-Butanone (MEK)	ND	ug/L	5.0	1		03/20/13 14:44	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		03/20/13 14:44	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/20/13 14:44	108-10-1	
Acetone	39.8	ug/L	5.0	1		03/20/13 14:44	67-64-1	
Acrylonitrile	ND	ug/L	2.0	1		03/20/13 14:44	107-13-1	
Benzene	59.8	ug/L	1.0	1		03/20/13 14:44	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/20/13 14:44	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/20/13 14:44	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/20/13 14:44	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/20/13 14:44	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		03/20/13 14:44	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/20/13 14:44	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/20/13 14:44	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/20/13 14:44	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/20/13 14:44	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/20/13 14:44	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/20/13 14:44	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/20/13 14:44	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/20/13 14:44	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/20/13 14:44	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/20/13 14:44	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/20/13 14:44	75-09-2	
Styrene	ND	ug/L	1.0	1		03/20/13 14:44	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/20/13 14:44	127-18-4	
Toluene	3.8	ug/L	1.0	1		03/20/13 14:44	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/20/13 14:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/20/13 14:44	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/20/13 14:44	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/20/13 14:44	75-01-4	
Xylene (Total)	3.5	ug/L	1.0	1		03/20/13 14:44	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/20/13 14:44	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/20/13 14:44	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/20/13 14:44	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/20/13 14:44	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/20/13 14:44	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	99 %		85-115	1		03/20/13 14:44	460-00-4	
1,2-Dichloroethane-d4 (S)	97 %		77-119	1		03/20/13 14:44	17060-07-0	
Toluene-d8 (S)	103 %		85-115	1		03/20/13 14:44	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	0.24	NTU	0.10	1		03/19/13 14:29		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	1700	mg/L	1.0	1		03/26/13 17:30		

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089789

Sample: CP14 PZM009		Lab ID: 3089789007		Collected: 03/18/13 15:00	Received: 03/19/13 09:50	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	2210	mg/L	10.0	1		03/20/13 14:10		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	12.7	Std. Units	0.10	1		03/19/13 15:10		H6
9050 Specific Conductance	Analytical Method: EPA 9050							
Specific Conductance	10600	umhos/cm	1.0	1		03/26/13 11:47		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	5.3	mg/L	0.10	1		03/25/13 16:05	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	31.2	mg/L	10.0	1		03/22/13 10:05		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	98.2	mg/L	30.0	10		03/22/13 08:41	16887-00-6	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	156	mg/L	1.9	5		03/26/13 15:14	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	0.026	mg/L	0.010	1		03/19/13 19:12	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	ND	mg/L	0.060	1		03/25/13 09:16	14797-55-8	

ANALYTICAL RESULTS

Project: Coke Point Landfill
Pace Project No.: 3089789

Sample: CP14 PZM062	Lab ID: 3089789008	Collected: 03/18/13 14:55	Received: 03/19/13 09:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)		Analytical Method: SM 2340B						
Total Hardness	485 mg/L		2.1	1		03/21/13 14:33		
		Analytical Method: EPA 6010B Preparation Method: EPA 3005						
Calcium	36900 ug/L		1000	1	03/20/13 14:23	03/21/13 14:33	7440-70-2	
Magnesium	95500 ug/L		200	1	03/20/13 14:23	03/21/13 14:33	7439-95-4	
6020 MET ICPMS		Analytical Method: EPA 6020 Preparation Method: EPA 3020						
Antimony	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 12:27	7440-36-0	D3
Arsenic	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 12:27	7440-38-2	D3
Barium	0.057 mg/L		0.0015	5	03/21/13 19:42	03/24/13 12:27	7440-39-3	
Beryllium	ND mg/L		0.0010	5	03/21/13 19:42	03/24/13 12:27	7440-41-7	D3
Cadmium	ND mg/L		0.00040	5	03/21/13 19:42	03/24/13 12:27	7440-43-9	D3
Calcium	39.1 mg/L		0.10	5	03/21/13 19:42	03/24/13 12:27	7440-70-2	
Chromium	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 12:27	7440-47-3	D3
Cobalt	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 12:27	7440-48-4	D3
Copper	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 12:27	7440-50-8	D3
Iron	ND mg/L		0.25	5	03/21/13 19:42	03/24/13 12:27	7439-89-6	D3
Lead	ND mg/L		0.00050	5	03/21/13 19:42	03/24/13 12:27	7439-92-1	D3
Magnesium	89.4 mg/L		0.025	5	03/21/13 19:42	03/24/13 12:27	7439-95-4	
Manganese	0.45 mg/L		0.0025	5	03/21/13 19:42	03/24/13 12:27	7439-96-5	
Nickel	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 12:27	7440-02-0	D3
Potassium	55.4 mg/L		0.10	5	03/21/13 19:42	03/24/13 12:27	7440-09-7	
Selenium	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 12:27	7782-49-2	D3
Silver	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 12:27	7440-22-4	D3
Sodium	1070 mg/L		5.0	100	03/21/13 19:42	03/25/13 09:15	7440-23-5	
Thallium	ND mg/L		0.00050	5	03/21/13 19:42	03/24/13 12:27	7440-28-0	D3
Vanadium	0.00060 mg/L		0.00050	5	03/21/13 19:42	03/24/13 12:27	7440-62-2	D3
Zinc	ND mg/L		0.025	5	03/21/13 19:42	03/24/13 12:27	7440-66-6	D3
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury	ND mg/L		0.00020	1	03/21/13 18:58	03/22/13 11:54	7439-97-6	
8260 MSV		Analytical Method: EPA 8260						
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/20/13 15:11	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/20/13 15:11	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/20/13 15:11	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/20/13 15:11	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/20/13 15:11	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/20/13 15:11	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/20/13 15:11	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/20/13 15:11	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/20/13 15:11	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/20/13 15:11	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/20/13 15:11	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/20/13 15:11	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/20/13 15:11	106-46-7	

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089789

Sample: CP14 PZM062		Lab ID: 3089789008	Collected: 03/18/13 14:55	Received: 03/19/13 09:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
2-Butanone (MEK)	ND	ug/L	5.0	1		03/20/13 15:11	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		03/20/13 15:11	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/20/13 15:11	108-10-1	
Acetone	ND	ug/L	5.0	1		03/20/13 15:11	67-64-1	
Acrylonitrile	ND	ug/L	2.0	1		03/20/13 15:11	107-13-1	
Benzene	ND	ug/L	1.0	1		03/20/13 15:11	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/20/13 15:11	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/20/13 15:11	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/20/13 15:11	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/20/13 15:11	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		03/20/13 15:11	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/20/13 15:11	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/20/13 15:11	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/20/13 15:11	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/20/13 15:11	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/20/13 15:11	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/20/13 15:11	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/20/13 15:11	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/20/13 15:11	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/20/13 15:11	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/20/13 15:11	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/20/13 15:11	75-09-2	
Styrene	ND	ug/L	1.0	1		03/20/13 15:11	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/20/13 15:11	127-18-4	
Toluene	ND	ug/L	1.0	1		03/20/13 15:11	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/20/13 15:11	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/20/13 15:11	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/20/13 15:11	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/20/13 15:11	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/20/13 15:11	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/20/13 15:11	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/20/13 15:11	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/20/13 15:11	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/20/13 15:11	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/20/13 15:11	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	102 %		85-115	1		03/20/13 15:11	460-00-4	
1,2-Dichloroethane-d4 (S)	100 %		77-119	1		03/20/13 15:11	17060-07-0	
Toluene-d8 (S)	96 %		85-115	1		03/20/13 15:11	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	2.9	NTU	0.10	1		03/19/13 14:29		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	300	mg/L	1.0	1		03/26/13 17:30		

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089789

Sample: CP14 PZM062		Lab ID: 3089789008		Collected: 03/18/13 14:55	Received: 03/19/13 09:50	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	3130	mg/L	10.0	1		03/20/13 14:10		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	8.3	Std. Units	0.10	1		03/19/13 15:10		H6
9050 Specific Conductance	Analytical Method: EPA 9050							
Specific Conductance	6740	umhos/cm	1.0	1		03/26/13 11:47		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	49.6	mg/L	1.0	10		03/25/13 16:06	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	114	mg/L	10.0	1		03/22/13 10:05		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	2500	mg/L	150	50		03/22/13 08:41	16887-00-6	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	7.0	mg/L	0.38	1		03/26/13 14:50	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	ND	mg/L	0.010	1		03/19/13 19:12	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	ND	mg/L	0.060	1		03/25/13 09:16	14797-55-8	

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089789

Sample: CP15 PZM020	Lab ID: 3089789009	Collected: 03/18/13 12:15	Received: 03/19/13 09:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)	Analytical Method: SM 2340B							
Total Hardness	1780 mg/L		21.0	10		03/22/13 13:13		
	Analytical Method: EPA 6010B Preparation Method: EPA 3005							
Calcium	713000 ug/L		10000	10	03/20/13 14:23	03/22/13 13:13	7440-70-2	
Magnesium	ND ug/L		200	1	03/20/13 14:23	03/21/13 14:36	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 13:03	7440-36-0	D3
Arsenic	0.0026 mg/L		0.0025	5	03/21/13 19:42	03/24/13 13:03	7440-38-2	
Barium	1.3 mg/L		0.0015	5	03/21/13 19:42	03/24/13 13:03	7440-39-3	
Beryllium	ND mg/L		0.0010	5	03/21/13 19:42	03/24/13 13:03	7440-41-7	D3
Cadmium	ND mg/L		0.00040	5	03/21/13 19:42	03/24/13 13:03	7440-43-9	D3
Calcium	596 mg/L		1.0	50	03/21/13 19:42	03/25/13 09:19	7440-70-2	
Chromium	0.0029 mg/L		0.0025	5	03/21/13 19:42	03/24/13 13:03	7440-47-3	
Cobalt	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 13:03	7440-48-4	D3
Copper	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 13:03	7440-50-8	D3
Iron	ND mg/L		0.25	5	03/21/13 19:42	03/24/13 13:03	7439-89-6	D3
Lead	0.0041 mg/L		0.00050	5	03/21/13 19:42	03/24/13 13:03	7439-92-1	
Magnesium	0.038 mg/L		0.025	5	03/21/13 19:42	03/24/13 13:03	7439-95-4	
Manganese	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 13:03	7439-96-5	D3
Nickel	0.013 mg/L		0.0025	5	03/21/13 19:42	03/24/13 13:03	7440-02-0	
Potassium	131 mg/L		1.0	50	03/21/13 19:42	03/25/13 09:19	7440-09-7	
Selenium	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 13:03	7782-49-2	D3
Silver	ND mg/L		0.0025	5	03/21/13 19:42	03/24/13 13:03	7440-22-4	D3
Sodium	367 mg/L		2.5	50	03/21/13 19:42	03/25/13 09:19	7440-23-5	
Thallium	ND mg/L		0.00050	5	03/21/13 19:42	03/24/13 13:03	7440-28-0	D3
Vanadium	ND mg/L		0.00050	5	03/21/13 19:42	03/24/13 13:03	7440-62-2	D3
Zinc	ND mg/L		0.025	5	03/21/13 19:42	03/24/13 13:03	7440-66-6	D3
6020 MET ICPMS, Dissolved	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony, Dissolved	ND mg/L		0.0025	5	03/21/13 19:06	03/24/13 08:58	7440-36-0	D3
Arsenic, Dissolved	0.0025 mg/L		0.0025	5	03/21/13 19:06	03/24/13 08:58	7440-38-2	
Barium, Dissolved	1.2 mg/L		0.0015	5	03/21/13 19:06	03/24/13 08:58	7440-39-3	
Beryllium, Dissolved	ND mg/L		0.0010	5	03/21/13 19:06	03/24/13 08:58	7440-41-7	D3
Cadmium, Dissolved	ND mg/L		0.00040	5	03/21/13 19:06	03/24/13 08:58	7440-43-9	D3
Calcium, Dissolved	770 mg/L		1.0	50	03/21/13 19:06	03/24/13 09:03	7440-70-2	
Chromium, Dissolved	ND mg/L		0.0025	5	03/21/13 19:06	03/24/13 08:58	7440-47-3	D3
Cobalt, Dissolved	ND mg/L		0.0025	5	03/21/13 19:06	03/24/13 08:58	7440-48-4	D3
Copper, Dissolved	ND mg/L		0.0025	5	03/21/13 19:06	03/24/13 08:58	7440-50-8	D3
Iron, Dissolved	ND mg/L		0.25	5	03/21/13 19:06	03/24/13 08:58	7439-89-6	D3
Lead, Dissolved	ND mg/L		0.00050	5	03/21/13 19:06	03/24/13 08:58	7439-92-1	D3
Magnesium, Dissolved	ND mg/L		0.025	5	03/21/13 19:06	03/24/13 08:58	7439-95-4	D3
Manganese, Dissolved	0.0028 mg/L		0.0025	5	03/21/13 19:06	03/24/13 08:58	7439-96-5	
Nickel, Dissolved	0.013 mg/L		0.0025	5	03/21/13 19:06	03/24/13 08:58	7440-02-0	
Potassium, Dissolved	132 mg/L		1.0	50	03/21/13 19:06	03/24/13 09:03	7440-09-7	
Selenium, Dissolved	ND mg/L		0.0025	5	03/21/13 19:06	03/24/13 08:58	7782-49-2	D3

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089789

Sample: CP15 PZM020	Lab ID: 3089789009	Collected: 03/18/13 12:15	Received: 03/19/13 09:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS, Dissolved								
Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Silver, Dissolved	ND mg/L		0.0025	5	03/21/13 19:06	03/24/13 08:58	7440-22-4	D3
Sodium, Dissolved	390 mg/L		2.5	50	03/21/13 19:06	03/24/13 09:03	7440-23-5	
Thallium, Dissolved	ND mg/L		0.00050	5	03/21/13 19:06	03/24/13 08:58	7440-28-0	D3
Vanadium, Dissolved	ND mg/L		0.00050	5	03/21/13 19:06	03/24/13 08:58	7440-62-2	D3
Zinc, Dissolved	ND mg/L		0.025	5	03/21/13 19:06	03/24/13 08:58	7440-66-6	D3
7470 Mercury								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND mg/L		0.00020	1	03/21/13 18:58	03/22/13 11:56	7439-97-6	
7470 Mercury, Dissolved								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	ND mg/L		0.00020	1	03/21/13 19:44	03/22/13 12:28	7439-97-6	
8270 MSSV Semivolatile Organic								
Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	4.1 ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	83-32-9	
Acenaphthylene	4.2 ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	208-96-8	
Anthracene	1.1 ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	120-12-7	
Azobenzene	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	103-33-3	N2
Benzo(a)anthracene	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	56-55-3	
Benzo(a)pyrene	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	50-32-8	
Benzo(b)fluoranthene	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	191-24-2	
Benzo(k)fluoranthene	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	207-08-9	
Benzoic acid	ND ug/L		102	1	03/22/13 09:30	03/25/13 17:11	65-85-0	
Benzyl alcohol	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	100-51-6	
4-Bromophenylphenyl ether	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	101-55-3	
Butylbenzylphthalate	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	85-68-7	
Carbazole	6.6 ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	86-74-8	
4-Chloro-3-methylphenol	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	59-50-7	
4-Chloroaniline	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	111-91-1	
bis(2-Chloroethyl) ether	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	108-60-1	
2-Chloronaphthalene	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	91-58-7	
2-Chlorophenol	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	95-57-8	
4-Chlorophenylphenyl ether	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	7005-72-3	
Chrysene	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	53-70-3	
Dibenzofuran	2.8 ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	132-64-9	
1,2-Dichlorobenzene	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	106-46-7	
3,3'-Dichlorobenzidine	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	91-94-1	
2,4-Dichlorophenol	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	120-83-2	
Diethylphthalate	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	84-66-2	
2,4-Dimethylphenol	15.0 ug/L		10.2	10	03/22/13 09:30	03/26/13 16:09	105-67-9	
Dimethylphthalate	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	131-11-3	

ANALYTICAL RESULTS

Project: Coke Point Landfill
Pace Project No.: 3089789

Sample: CP15 PZM020	Lab ID: 3089789009	Collected: 03/18/13 12:15	Received: 03/19/13 09:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Di-n-butylphthalate	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/L		2.6	1	03/22/13 09:30	03/25/13 17:11	534-52-1	
2,4-Dinitrophenol	ND ug/L		2.6	1	03/22/13 09:30	03/25/13 17:11	51-28-5	
2,4-Dinitrotoluene	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	121-14-2	
2,6-Dinitrotoluene	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	606-20-2	
Di-n-octylphthalate	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	117-81-7	
Fluoranthene	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	206-44-0	
Fluorene	3.7 ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	86-73-7	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	87-68-3	
Hexachlorobenzene	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	118-74-1	
Hexachlorocyclopentadiene	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	77-47-4	
Hexachloroethane	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	193-39-5	
Isophorone	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	78-59-1	
1-Methylnaphthalene	11.4 ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	90-12-0	N2
2-Methylnaphthalene	10.5 ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	91-57-6	
2-Methylphenol(o-Cresol)	14.1 ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	95-48-7	
3&4-Methylphenol(m&p Cresol)	34.1 ug/L		20.4	10	03/22/13 09:30	03/26/13 16:09		
Naphthalene	117 ug/L		10.2	10	03/22/13 09:30	03/26/13 16:09	91-20-3	
2-Nitroaniline	ND ug/L		2.6	1	03/22/13 09:30	03/25/13 17:11	88-74-4	
3-Nitroaniline	ND ug/L		2.6	1	03/22/13 09:30	03/25/13 17:11	99-09-2	
4-Nitroaniline	ND ug/L		2.6	1	03/22/13 09:30	03/25/13 17:11	100-01-6	
Nitrobenzene	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	98-95-3	
2-Nitrophenol	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	88-75-5	
4-Nitrophenol	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	100-02-7	
N-Nitrosodimethylamine	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	621-64-7	
N-Nitrosodiphenylamine	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	86-30-6	
Pentachlorophenol	ND ug/L		2.6	1	03/22/13 09:30	03/25/13 17:11	87-86-5	
Phenanthrene	7.4 ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	85-01-8	
Phenol	30.4 ug/L		10.2	10	03/22/13 09:30	03/26/13 16:09	108-95-2	
Pyrene	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	129-00-0	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	120-82-1	
2,4,5-Trichlorophenol	ND ug/L		2.6	1	03/22/13 09:30	03/25/13 17:11	95-95-4	
2,4,6-Trichlorophenol	ND ug/L		1.0	1	03/22/13 09:30	03/25/13 17:11	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	47 %		35-114	1	03/22/13 09:30	03/25/13 17:11	4165-60-0	
2-Fluorobiphenyl (S)	41 %		43-116	1	03/22/13 09:30	03/25/13 17:11	321-60-8	S2
Terphenyl-d14 (S)	68 %		33-141	1	03/22/13 09:30	03/25/13 17:11	1718-51-0	
Phenol-d6 (S)	15 %		10-110	1	03/22/13 09:30	03/25/13 17:11	13127-88-3	
2-Fluorophenol (S)	22 %		21-110	1	03/22/13 09:30	03/25/13 17:11	367-12-4	
2,4,6-Tribromophenol (S)	53 %		10-123	1	03/22/13 09:30	03/25/13 17:11	118-79-6	

8260 MSV Analytical Method: EPA 8260

1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/20/13 15:38	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/20/13 15:38	71-55-6	

Date: 03/27/2013 04:55 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089789

Sample: CP15 PZM020	Lab ID: 3089789009	Collected: 03/18/13 12:15	Received: 03/19/13 09:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/20/13 15:38	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/20/13 15:38	79-00-5	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/20/13 15:38	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		03/20/13 15:38	75-35-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/20/13 15:38	96-18-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		03/20/13 15:38	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/20/13 15:38	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/20/13 15:38	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/20/13 15:38	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/20/13 15:38	78-87-5	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/20/13 15:38	106-46-7	
2-Butanone (MEK)	10.1	ug/L	5.0	1		03/20/13 15:38	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		03/20/13 15:38	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/20/13 15:38	108-10-1	
Acetone	128	ug/L	5.0	1		03/20/13 15:38	67-64-1	
Acrylonitrile	ND	ug/L	2.0	1		03/20/13 15:38	107-13-1	
Benzene	18.5	ug/L	1.0	1		03/20/13 15:38	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/20/13 15:38	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/20/13 15:38	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/20/13 15:38	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/20/13 15:38	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		03/20/13 15:38	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/20/13 15:38	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/20/13 15:38	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/20/13 15:38	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/20/13 15:38	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/20/13 15:38	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/20/13 15:38	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/20/13 15:38	74-95-3	
Ethylbenzene	1.6	ug/L	1.0	1		03/20/13 15:38	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/20/13 15:38	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/20/13 15:38	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/20/13 15:38	75-09-2	
Styrene	ND	ug/L	1.0	1		03/20/13 15:38	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/20/13 15:38	127-18-4	
Toluene	7.1	ug/L	1.0	1		03/20/13 15:38	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/20/13 15:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/20/13 15:38	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/20/13 15:38	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/20/13 15:38	75-01-4	
Xylene (Total)	11.5	ug/L	1.0	1		03/20/13 15:38	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/20/13 15:38	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/20/13 15:38	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/20/13 15:38	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/20/13 15:38	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/20/13 15:38	110-57-6	

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089789

Sample: CP15 PZM020	Lab ID: 3089789009	Collected: 03/18/13 12:15	Received: 03/19/13 09:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Surrogates								
4-Bromofluorobenzene (S)	106 %		85-115	1		03/20/13 15:38	460-00-4	
1,2-Dichloroethane-d4 (S)	94 %		77-119	1		03/20/13 15:38	17060-07-0	
Toluene-d8 (S)	95 %		85-115	1		03/20/13 15:38	2037-26-5	
180.1 Turbidity	Analytical Method: EPA 180.1							
Turbidity	0.19 NTU		0.10	1		03/19/13 14:29		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total as CaCO3	1500 mg/L		1.0	1		03/26/13 17:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	2710 mg/L		10.0	1		03/20/13 14:10		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	12.8 Std. Units		0.10	1		03/19/13 15:10		H6
9050 Specific Conductance	Analytical Method: EPA 9050							
Specific Conductance	11400 umhos/cm		1.0	1		03/26/13 11:47		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	39.9 mg/L		0.50	5		03/25/13 16:07	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	87.7 mg/L		10.0	1		03/22/13 10:05		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	1240 mg/L		60.0	20		03/22/13 08:21	16887-00-6	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	25.0 mg/L		0.38	1		03/26/13 14:52	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	0.31 mg/L		0.010	1		03/19/13 19:14	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	ND mg/L		0.060	1		03/25/13 09:16	14797-55-8	

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089789

Sample: CP15 PZM042	Lab ID: 3089789010	Collected: 03/18/13 12:20	Received: 03/19/13 09:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)	Analytical Method: SM 2340B							
Total Hardness	1600	mg/L	2.1	1		03/21/13 14:38		
	Analytical Method: EPA 6010B Preparation Method: EPA 3005							
Calcium	48200	ug/L	1000	1	03/20/13 14:23	03/21/13 14:38	7440-70-2	
Magnesium	358000	ug/L	200	1	03/20/13 14:23	03/21/13 14:38	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony	ND	mg/L	0.0025	5	03/21/13 19:42	03/24/13 13:31	7440-36-0	D3
Arsenic	ND	mg/L	0.0025	5	03/21/13 19:42	03/24/13 13:31	7440-38-2	D3
Barium	0.23	mg/L	0.0015	5	03/21/13 19:42	03/24/13 13:31	7440-39-3	
Beryllium	ND	mg/L	0.0010	5	03/21/13 19:42	03/24/13 13:31	7440-41-7	D3
Cadmium	ND	mg/L	0.00040	5	03/21/13 19:42	03/24/13 13:31	7440-43-9	D3
Calcium	52.2	mg/L	0.10	5	03/21/13 19:42	03/24/13 13:31	7440-70-2	
Chromium	ND	mg/L	0.0025	5	03/21/13 19:42	03/24/13 13:31	7440-47-3	D3
Cobalt	ND	mg/L	0.0025	5	03/21/13 19:42	03/24/13 13:31	7440-48-4	D3
Copper	ND	mg/L	0.0025	5	03/21/13 19:42	03/24/13 13:31	7440-50-8	D3
Iron	1.7	mg/L	0.25	5	03/21/13 19:42	03/24/13 13:31	7439-89-6	
Lead	ND	mg/L	0.00050	5	03/21/13 19:42	03/24/13 13:31	7439-92-1	D3
Magnesium	365	mg/L	0.25	50	03/21/13 19:42	03/23/13 19:27	7439-95-4	
Manganese	0.28	mg/L	0.0025	5	03/21/13 19:42	03/24/13 13:31	7439-96-5	
Nickel	ND	mg/L	0.0025	5	03/21/13 19:42	03/24/13 13:31	7440-02-0	D3
Potassium	108	mg/L	0.10	5	03/21/13 19:42	03/24/13 13:31	7440-09-7	
Selenium	ND	mg/L	0.0025	5	03/21/13 19:42	03/24/13 13:31	7782-49-2	D3
Silver	ND	mg/L	0.0025	5	03/21/13 19:42	03/24/13 13:31	7440-22-4	D3
Sodium	3430	mg/L	10.0	200	03/21/13 19:42	03/24/13 13:36	7440-23-5	
Thallium	ND	mg/L	0.00050	5	03/21/13 19:42	03/24/13 13:31	7440-28-0	D3
Vanadium	0.0016	mg/L	0.00050	5	03/21/13 19:42	03/24/13 13:31	7440-62-2	
Zinc	ND	mg/L	0.025	5	03/21/13 19:42	03/24/13 13:31	7440-66-6	D3
6020 MET ICPMS, Dissolved	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony, Dissolved	ND	mg/L	0.0025	5	03/21/13 19:06	03/24/13 09:08	7440-36-0	D3
Arsenic, Dissolved	ND	mg/L	0.0025	5	03/21/13 19:06	03/24/13 09:08	7440-38-2	D3
Barium, Dissolved	0.21	mg/L	0.0015	5	03/21/13 19:06	03/24/13 09:08	7440-39-3	
Beryllium, Dissolved	ND	mg/L	0.0010	5	03/21/13 19:06	03/24/13 09:08	7440-41-7	D3
Cadmium, Dissolved	ND	mg/L	0.00040	5	03/21/13 19:06	03/24/13 09:08	7440-43-9	D3
Calcium, Dissolved	51.8	mg/L	0.10	5	03/21/13 19:06	03/24/13 09:08	7440-70-2	
Chromium, Dissolved	ND	mg/L	0.0025	5	03/21/13 19:06	03/24/13 09:08	7440-47-3	D3
Cobalt, Dissolved	ND	mg/L	0.0025	5	03/21/13 19:06	03/24/13 09:08	7440-48-4	D3
Copper, Dissolved	ND	mg/L	0.0025	5	03/21/13 19:06	03/24/13 09:08	7440-50-8	D3
Iron, Dissolved	1.5	mg/L	0.25	5	03/21/13 19:06	03/24/13 09:08	7439-89-6	
Lead, Dissolved	ND	mg/L	0.00050	5	03/21/13 19:06	03/24/13 09:08	7439-92-1	D3
Magnesium, Dissolved	351	mg/L	0.25	50	03/21/13 19:06	03/23/13 15:57	7439-95-4	
Manganese, Dissolved	0.26	mg/L	0.0025	5	03/21/13 19:06	03/24/13 09:08	7439-96-5	
Nickel, Dissolved	ND	mg/L	0.0025	5	03/21/13 19:06	03/24/13 09:08	7440-02-0	D3
Potassium, Dissolved	105	mg/L	0.10	5	03/21/13 19:06	03/24/13 09:08	7440-09-7	
Selenium, Dissolved	ND	mg/L	0.0025	5	03/21/13 19:06	03/24/13 09:08	7782-49-2	D3

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089789

Sample: CP15 PZM042	Lab ID: 3089789010	Collected: 03/18/13 12:20	Received: 03/19/13 09:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS, Dissolved								
Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Silver, Dissolved	ND mg/L		0.0025	5	03/21/13 19:06	03/24/13 09:08	7440-22-4	D3
Sodium, Dissolved	3010 mg/L		25.0	500	03/21/13 19:06	03/24/13 09:12	7440-23-5	
Thallium, Dissolved	ND mg/L		0.00050	5	03/21/13 19:06	03/24/13 09:08	7440-28-0	D3
Vanadium, Dissolved	0.00076 mg/L		0.00050	5	03/21/13 19:06	03/24/13 09:08	7440-62-2	
Zinc, Dissolved	ND mg/L		0.025	5	03/21/13 19:06	03/24/13 09:08	7440-66-6	D3
7470 Mercury								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND mg/L		0.00020	1	03/21/13 18:58	03/22/13 11:58	7439-97-6	
7470 Mercury, Dissolved								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	ND mg/L		0.00020	1	03/21/13 19:44	03/22/13 12:30	7439-97-6	
8260 MSV								
Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/20/13 16:04	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/20/13 16:04	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/20/13 16:04	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/20/13 16:04	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/20/13 16:04	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/20/13 16:04	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/20/13 16:04	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/20/13 16:04	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/20/13 16:04	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/20/13 16:04	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/20/13 16:04	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/20/13 16:04	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/20/13 16:04	106-46-7	
2-Butanone (MEK)	ND ug/L		5.0	1		03/20/13 16:04	78-93-3	
2-Hexanone	ND ug/L		5.0	1		03/20/13 16:04	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		03/20/13 16:04	108-10-1	
Acetone	ND ug/L		5.0	1		03/20/13 16:04	67-64-1	
Acrylonitrile	ND ug/L		2.0	1		03/20/13 16:04	107-13-1	
Benzene	ND ug/L		1.0	1		03/20/13 16:04	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		03/20/13 16:04	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		03/20/13 16:04	75-27-4	
Bromoform	ND ug/L		1.0	1		03/20/13 16:04	75-25-2	
Bromomethane	ND ug/L		1.0	1		03/20/13 16:04	74-83-9	
Carbon disulfide	ND ug/L		1.0	1		03/20/13 16:04	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		03/20/13 16:04	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		03/20/13 16:04	108-90-7	
Chloroethane	ND ug/L		1.0	1		03/20/13 16:04	75-00-3	
Chloroform	ND ug/L		1.0	1		03/20/13 16:04	67-66-3	
Chloromethane	ND ug/L		1.0	1		03/20/13 16:04	74-87-3	
Dibromochloromethane	ND ug/L		1.0	1		03/20/13 16:04	124-48-1	
Dibromomethane	ND ug/L		1.0	1		03/20/13 16:04	74-95-3	
Ethylbenzene	ND ug/L		1.0	1		03/20/13 16:04	100-41-4	
Iodomethane	ND ug/L		1.0	1		03/20/13 16:04	74-88-4	

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089789

Sample: CP15 PZM042	Lab ID: 3089789010	Collected: 03/18/13 12:20	Received: 03/19/13 09:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Methyl-tert-butyl ether	ND ug/L		1.0	1		03/20/13 16:04	1634-04-4	
Methylene Chloride	ND ug/L		1.0	1		03/20/13 16:04	75-09-2	
Styrene	ND ug/L		1.0	1		03/20/13 16:04	100-42-5	
Tetrachloroethene	ND ug/L		1.0	1		03/20/13 16:04	127-18-4	
Toluene	ND ug/L		1.0	1		03/20/13 16:04	108-88-3	
Trichloroethene	ND ug/L		1.0	1		03/20/13 16:04	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		03/20/13 16:04	75-69-4	
Vinyl acetate	ND ug/L		1.0	1		03/20/13 16:04	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		03/20/13 16:04	75-01-4	
Xylene (Total)	ND ug/L		1.0	1		03/20/13 16:04	1330-20-7	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		03/20/13 16:04	156-59-2	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		03/20/13 16:04	10061-01-5	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		03/20/13 16:04	156-60-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		03/20/13 16:04	10061-02-6	
trans-1,4-Dichloro-2-butene	ND ug/L		1.0	1		03/20/13 16:04	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	102 %		85-115	1		03/20/13 16:04	460-00-4	
1,2-Dichloroethane-d4 (S)	97 %		77-119	1		03/20/13 16:04	17060-07-0	
Toluene-d8 (S)	97 %		85-115	1		03/20/13 16:04	2037-26-5	
180.1 Turbidity	Analytical Method: EPA 180.1							
Turbidity	6.5 NTU		0.10	1		03/19/13 14:29		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total as CaCO3	700 mg/L		1.0	1		03/26/13 17:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	9910 mg/L		10.0	1		03/20/13 14:10		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	8.2 Std. Units		0.10	1		03/19/13 15:10		H6
9050 Specific Conductance	Analytical Method: EPA 9050							
Specific Conductance	18700 umhos/cm		1.0	1		03/26/13 11:47		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	49.1 mg/L		2.0	20		03/25/13 16:08	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	429 mg/L		10.0	1		03/22/13 10:05		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	8440 mg/L		300	100		03/22/13 08:42	16887-00-6	

ANALYTICAL RESULTS

Project: Coke Point Landfill

Pace Project No.: 3089789

Sample: CP15 PZM042		Lab ID: 3089789010		Collected: 03/18/13 12:20	Received: 03/19/13 09:50	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
ASTM D516-9002 Sulfate Water		Analytical Method: ASTM D516-90,02						
Sulfate	4.3	mg/L	0.38	1		03/26/13 14:52	14808-79-8	
SM4500NO2-B, Nitrite, unpres		Analytical Method: SM 4500-NO2 B						
Nitrite as N	ND	mg/L	0.010	1		03/19/13 19:14	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd		Analytical Method: SM 4500-NO3 F						
Nitrate as N	0.10	mg/L	0.060	1		03/25/13 09:16	14797-55-8	

QUALITY CONTROL DATA

Project: Coke Point Landfill
Pace Project No.: 3089789

QC Batch: MERP/8172 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 3089789001, 3089789002, 3089789003, 3089789004, 3089789005, 3089789006, 3089789007, 3089789008, 3089789009, 3089789010

METHOD BLANK: 1395481 Matrix: Water
Associated Lab Samples: 3089789001, 3089789002, 3089789003, 3089789004, 3089789005, 3089789006, 3089789007, 3089789008, 3089789009, 3089789010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	03/22/13 10:41	

LABORATORY CONTROL SAMPLE: 1395482

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	.005	0.0052	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1395901 1395902

Parameter	Units	3089789002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Mercury	mg/L	ND	.005	.005	0.0054	0.0051	107	101	80-120	6	

QUALITY CONTROL DATA

Project: Coke Point Landfill
Pace Project No.: 3089789

QC Batch: MERP/8173 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury Dissolved
Associated Lab Samples: 3089789004, 3089789005, 3089789006, 3089789009, 3089789010

METHOD BLANK: 1395485 Matrix: Water
Associated Lab Samples: 3089789004, 3089789005, 3089789006, 3089789009, 3089789010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	mg/L	ND	0.00020	03/22/13 12:06	

LABORATORY CONTROL SAMPLE: 1395486

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	mg/L	.005	0.0055	110	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1395903 1395904

Parameter	Units	3089789006		MSD		MS		MSD		% Rec Limits	RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	% Rec	% Rec				
Mercury, Dissolved	mg/L	ND	.005	.005	0.0060	0.0057	120	114	80-120	5		

QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089789

QC Batch: MPRP/10322

Analysis Method: EPA 6010B

QC Batch Method: EPA 3005

Analysis Description: 6010 MET

Associated Lab Samples: 3089789001, 3089789002, 3089789003, 3089789004, 3089789005, 3089789006, 3089789007, 3089789008, 3089789009, 3089789010

METHOD BLANK: 556348

Matrix: Water

Associated Lab Samples: 3089789001, 3089789002, 3089789003, 3089789004, 3089789005, 3089789006, 3089789007, 3089789008, 3089789009, 3089789010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Calcium	ug/L	ND	1000	03/21/13 13:48	
Magnesium	ug/L	ND	200	03/21/13 13:48	

LABORATORY CONTROL SAMPLE: 556349

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	ug/L	5000	5240	105	80-120	
Magnesium	ug/L	5000	5240	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 556351 556352

Parameter	Units	3089789001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Calcium	ug/L	625000	5000	5000	629000	623000	76	-44	80-120	1	M1
Magnesium	ug/L	ND	5000	5000	5120	5170	102	103	80-120	.9	

MATRIX SPIKE SAMPLE: 556354

Parameter	Units	3089809001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Calcium	ug/L	46700	5000	51700	101	80-120	
Magnesium	ug/L	18700	5000	24600	117	80-120	

SAMPLE DUPLICATE: 556350

Parameter	Units	3089789001 Result	Dup Result	RPD	Qualifiers
Calcium	ug/L	625000	600000	4	
Magnesium	ug/L	ND	ND		

SAMPLE DUPLICATE: 556353

Parameter	Units	3089809001 Result	Dup Result	RPD	Qualifiers
Calcium	ug/L	46700	47200	1	
Magnesium	ug/L	18700	19000	2	

QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089789

QC Batch: MPRP/38126

Analysis Method: EPA 6020

QC Batch Method: EPA 3020

Analysis Description: 6020 MET

Associated Lab Samples: 3089789001, 3089789002, 3089789003, 3089789004, 3089789005, 3089789006, 3089789007, 3089789008, 3089789009, 3089789010

METHOD BLANK: 1395651

Matrix: Water

Associated Lab Samples: 3089789001, 3089789002, 3089789003, 3089789004, 3089789005, 3089789006, 3089789007, 3089789008, 3089789009, 3089789010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	mg/L	ND	0.00050	03/24/13 10:45	
Arsenic	mg/L	ND	0.00050	03/24/13 10:45	
Barium	mg/L	ND	0.00030	03/24/13 10:45	
Beryllium	mg/L	ND	0.00020	03/24/13 10:45	
Cadmium	mg/L	ND	0.000080	03/24/13 10:45	
Calcium	mg/L	ND	0.020	03/24/13 10:45	
Chromium	mg/L	ND	0.00050	03/24/13 10:45	
Cobalt	mg/L	ND	0.00050	03/24/13 10:45	
Copper	mg/L	ND	0.00050	03/24/13 10:45	
Iron	mg/L	ND	0.050	03/24/13 10:45	
Lead	mg/L	ND	0.00010	03/24/13 10:45	
Magnesium	mg/L	ND	0.0050	03/24/13 10:45	
Manganese	mg/L	ND	0.00050	03/24/13 10:45	
Nickel	mg/L	ND	0.00050	03/24/13 10:45	
Potassium	mg/L	0.033	0.020	03/24/13 10:45	
Selenium	mg/L	ND	0.00050	03/24/13 10:45	
Silver	mg/L	ND	0.00050	03/24/13 10:45	
Sodium	mg/L	ND	0.050	03/24/13 10:45	
Thallium	mg/L	ND	0.00010	03/24/13 10:45	
Vanadium	mg/L	ND	0.00010	03/24/13 10:45	
Zinc	mg/L	ND	0.0050	03/24/13 10:45	

LABORATORY CONTROL SAMPLE: 1395652

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	.08	0.074	92	80-120	
Arsenic	mg/L	.08	0.080	100	80-120	
Barium	mg/L	.08	0.077	97	80-120	
Beryllium	mg/L	.08	0.084	105	80-120	
Cadmium	mg/L	.08	0.078	98	80-120	
Calcium	mg/L	1	1.1	110	80-120	
Chromium	mg/L	.08	0.078	97	80-120	
Cobalt	mg/L	.08	0.079	98	80-120	
Copper	mg/L	.08	0.084	105	80-120	
Iron	mg/L	1	0.99	99	80-120	
Lead	mg/L	.08	0.073	92	80-120	
Magnesium	mg/L	1	0.96	96	80-120	
Manganese	mg/L	.08	0.078	97	80-120	
Nickel	mg/L	.08	0.082	102	80-120	
Potassium	mg/L	1	1.1	105	80-120	

QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089789

LABORATORY CONTROL SAMPLE: 1395652

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Selenium	mg/L	.08	0.078	97	80-120	
Silver	mg/L	.08	0.081	102	80-120	
Sodium	mg/L	1	1.0	102	80-120	
Thallium	mg/L	.08	0.074	92	80-120	
Vanadium	mg/L	.08	0.079	99	80-120	
Zinc	mg/L	.08	0.079	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1395905 1395906

Parameter	Units	3089789003		MS		MSD		MS		MSD		% Rec Limits	RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
Antimony	mg/L	ND	.08	.08	0.077	0.072	96	90	75-125	6				
Arsenic	mg/L	0.0045	.08	.08	0.086	0.086	101	102	75-125	.8				
Barium	mg/L	0.090	.08	.08	0.17	0.16	99	93	75-125	3				
Beryllium	mg/L	ND	.08	.08	0.088	0.088	110	110	75-125	.3				
Cadmium	mg/L	ND	.08	.08	0.084	0.077	105	96	75-125	8				
Calcium	mg/L	135	1	1	135	133	15	-180	75-125	1 M6				
Chromium	mg/L	ND	.08	.08	0.081	0.079	98	95	75-125	3				
Cobalt	mg/L	ND	.08	.08	0.079	0.079	99	98	75-125	.9				
Copper	mg/L	ND	.08	.08	0.086	0.14	105	170	75-125	46 M6,R1				
Iron	mg/L	ND	1	1	1J	1J	99	98	75-125					
Lead	mg/L	ND	.08	.08	0.075	0.075	94	94	75-125	.07				
Magnesium	mg/L	0.087	1	1	1.1	1.1	100	103	75-125	3				
Manganese	mg/L	ND	.08	.08	0.077	0.077	96	96	75-125	.06				
Nickel	mg/L	0.0065	.08	.08	0.094	0.088	110	101	75-125	7				
Potassium	mg/L	78.3	1	1	85.3	84.2	700	590	75-125	1 M6				
Selenium	mg/L	ND	.08	.08	0.038	0.040	46	48	75-125	5 M6				
Silver	mg/L	ND	.08	.08	.023J	.013J	29	16	75-125	M6				
Sodium	mg/L	152	1	1	150	148	-150	-345	75-125	1 M6				
Thallium	mg/L	ND	.08	.08	0.076	0.075	95	94	75-125	1				
Vanadium	mg/L	0.15	.08	.08	0.22	0.22	100	99	75-125	.4				
Zinc	mg/L	ND	.08	.08	.084J	.084J	97	97	75-125					

QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089789

QC Batch: MPRP/38127

Analysis Method: EPA 6020

QC Batch Method: EPA 3020

Analysis Description: 6020 MET Dissolved

Associated Lab Samples: 3089789004, 3089789005, 3089789006, 3089789009, 3089789010

METHOD BLANK: 1395656

Matrix: Water

Associated Lab Samples: 3089789004, 3089789005, 3089789006, 3089789009, 3089789010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony, Dissolved	mg/L	ND	0.00050	03/24/13 07:44	
Arsenic, Dissolved	mg/L	ND	0.00050	03/24/13 07:44	
Barium, Dissolved	mg/L	ND	0.00030	03/24/13 07:44	
Beryllium, Dissolved	mg/L	ND	0.00020	03/24/13 07:44	
Cadmium, Dissolved	mg/L	ND	0.000080	03/24/13 07:44	
Calcium, Dissolved	mg/L	ND	0.020	03/24/13 07:44	
Chromium, Dissolved	mg/L	ND	0.00050	03/24/13 07:44	
Cobalt, Dissolved	mg/L	ND	0.00050	03/24/13 07:44	
Copper, Dissolved	mg/L	ND	0.00050	03/24/13 07:44	
Iron, Dissolved	mg/L	ND	0.050	03/24/13 07:44	
Lead, Dissolved	mg/L	ND	0.00010	03/24/13 07:44	
Magnesium, Dissolved	mg/L	ND	0.0050	03/24/13 07:44	
Manganese, Dissolved	mg/L	ND	0.00050	03/24/13 07:44	
Nickel, Dissolved	mg/L	ND	0.00050	03/24/13 07:44	
Potassium, Dissolved	mg/L	0.021	0.020	03/24/13 07:44	P8
Selenium, Dissolved	mg/L	ND	0.00050	03/24/13 07:44	
Silver, Dissolved	mg/L	ND	0.00050	03/24/13 07:44	
Sodium, Dissolved	mg/L	ND	0.050	03/24/13 07:44	
Thallium, Dissolved	mg/L	ND	0.00010	03/24/13 07:44	
Vanadium, Dissolved	mg/L	ND	0.00010	03/24/13 07:44	
Zinc, Dissolved	mg/L	ND	0.0050	03/24/13 07:44	

LABORATORY CONTROL SAMPLE: 1395657

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony, Dissolved	mg/L	.08	0.074	93	80-120	
Arsenic, Dissolved	mg/L	.08	0.078	98	80-120	
Barium, Dissolved	mg/L	.08	0.080	100	80-120	
Beryllium, Dissolved	mg/L	.08	0.085	106	80-120	
Cadmium, Dissolved	mg/L	.08	0.081	102	80-120	
Calcium, Dissolved	mg/L	1	1.1	106	80-120	
Chromium, Dissolved	mg/L	.08	0.079	99	80-120	
Cobalt, Dissolved	mg/L	.08	0.079	99	80-120	
Copper, Dissolved	mg/L	.08	0.085	106	80-120	
Iron, Dissolved	mg/L	1	0.98	98	80-120	
Lead, Dissolved	mg/L	.08	0.075	94	80-120	
Magnesium, Dissolved	mg/L	1	0.97	97	80-120	
Manganese, Dissolved	mg/L	.08	0.079	99	80-120	
Nickel, Dissolved	mg/L	.08	0.084	104	80-120	
Potassium, Dissolved	mg/L	1	1.0	104	80-120	
Selenium, Dissolved	mg/L	.08	0.077	96	80-120	

QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089789

LABORATORY CONTROL SAMPLE: 1395657

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Silver, Dissolved	mg/L	.08	0.082	103	80-120	
Sodium, Dissolved	mg/L	1	1.0	101	80-120	
Thallium, Dissolved	mg/L	.08	0.075	94	80-120	
Vanadium, Dissolved	mg/L	.08	0.079	98	80-120	
Zinc, Dissolved	mg/L	.08	0.080	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1395658 1395659

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
		3089789004 Result	Spike Conc.	Spike Conc.	MS Result					
Antimony, Dissolved	mg/L	ND	.08	.08	0.075	0.078	93	98	75-125	5
Arsenic, Dissolved	mg/L	ND	.08	.08	0.078	0.086	96	107	75-125	10
Barium, Dissolved	mg/L	0.13	.08	.08	0.21	0.21	94	99	75-125	2
Beryllium, Dissolved	mg/L	ND	.08	.08	0.085	0.090	106	112	75-125	6
Cadmium, Dissolved	mg/L	ND	.08	.08	0.083	0.079	103	99	75-125	5
Calcium, Dissolved	mg/L	691	1	1	684	701	-770	980	75-125	3 M6
Chromium, Dissolved	mg/L	0.017	.08	.08	0.092	0.093	94	96	75-125	2
Cobalt, Dissolved	mg/L	ND	.08	.08	0.077	0.079	96	99	75-125	2
Copper, Dissolved	mg/L	0.0045	.08	.08	0.082	0.088	97	105	75-125	7
Iron, Dissolved	mg/L	ND	1	1	.98J	.98J	97	97	75-125	
Lead, Dissolved	mg/L	0.015	.08	.08	0.087	0.088	89	91	75-125	2
Magnesium, Dissolved	mg/L	0.060	1	1	1.1	1.0	99	95	75-125	4
Manganese, Dissolved	mg/L	ND	.08	.08	0.076	0.077	94	94	75-125	.6
Nickel, Dissolved	mg/L	0.0067	.08	.08	0.088	0.090	101	104	75-125	2
Potassium, Dissolved	mg/L	87.8	1	1	94.2	96.6	640	880	75-125	3 M6
Selenium, Dissolved	mg/L	ND	.08	.08	0.077	0.086	95	106	75-125	10
Silver, Dissolved	mg/L	0.0076	.08	.08	0.062	0.047	68	50	75-125	27 M6, R1
Sodium, Dissolved	mg/L	1940	1	1	1870	1860	-7400	-7900	75-125	.3 E, M6
Thallium, Dissolved	mg/L	ND	.08	.08	0.070	0.069	88	86	75-125	2
Vanadium, Dissolved	mg/L	0.0097	.08	.08	0.089	0.089	99	99	75-125	.2
Zinc, Dissolved	mg/L	ND	.08	.08	.078J	.086J	95	105	75-125	

QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089789

QC Batch: MSV/15593 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
 Associated Lab Samples: 3089789001, 3089789002, 3089789003, 3089789005, 3089789006, 3089789007, 3089789008, 3089789009, 3089789010

METHOD BLANK: 556226 Matrix: Water
 Associated Lab Samples: 3089789001, 3089789002, 3089789003, 3089789005, 3089789006, 3089789007, 3089789008, 3089789009, 3089789010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	03/20/13 11:37	
1,1,1-Trichloroethane	ug/L	ND	1.0	03/20/13 11:37	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	03/20/13 11:37	
1,1,2-Trichloroethane	ug/L	ND	1.0	03/20/13 11:37	
1,1-Dichloroethane	ug/L	ND	1.0	03/20/13 11:37	
1,1-Dichloroethene	ug/L	ND	1.0	03/20/13 11:37	
1,2,3-Trichloropropane	ug/L	ND	1.0	03/20/13 11:37	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	03/20/13 11:37	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	03/20/13 11:37	
1,2-Dichlorobenzene	ug/L	ND	1.0	03/20/13 11:37	
1,2-Dichloroethane	ug/L	ND	1.0	03/20/13 11:37	
1,2-Dichloropropane	ug/L	ND	1.0	03/20/13 11:37	
1,4-Dichlorobenzene	ug/L	ND	1.0	03/20/13 11:37	
2-Butanone (MEK)	ug/L	ND	10.0	03/20/13 11:37	
2-Hexanone	ug/L	ND	10.0	03/20/13 11:37	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	03/20/13 11:37	
Acetone	ug/L	ND	10.0	03/20/13 11:37	
Acrylonitrile	ug/L	ND	2.0	03/20/13 11:37	
Benzene	ug/L	ND	1.0	03/20/13 11:37	
Bromochloromethane	ug/L	ND	1.0	03/20/13 11:37	
Bromodichloromethane	ug/L	ND	1.0	03/20/13 11:37	
Bromoform	ug/L	ND	1.0	03/20/13 11:37	
Bromomethane	ug/L	ND	1.0	03/20/13 11:37	
Carbon disulfide	ug/L	ND	1.0	03/20/13 11:37	
Carbon tetrachloride	ug/L	ND	1.0	03/20/13 11:37	
Chlorobenzene	ug/L	ND	1.0	03/20/13 11:37	
Chloroethane	ug/L	ND	1.0	03/20/13 11:37	
Chloroform	ug/L	ND	1.0	03/20/13 11:37	
Chloromethane	ug/L	ND	1.0	03/20/13 11:37	
cis-1,2-Dichloroethene	ug/L	ND	1.0	03/20/13 11:37	
cis-1,3-Dichloropropene	ug/L	ND	1.0	03/20/13 11:37	
Dibromochloromethane	ug/L	ND	1.0	03/20/13 11:37	
Dibromomethane	ug/L	ND	1.0	03/20/13 11:37	
Ethylbenzene	ug/L	ND	1.0	03/20/13 11:37	
Iodomethane	ug/L	ND	50.0	03/20/13 11:37	N2
Methyl-tert-butyl ether	ug/L	ND	1.0	03/20/13 11:37	
Methylene Chloride	ug/L	ND	1.0	03/20/13 11:37	
Styrene	ug/L	ND	1.0	03/20/13 11:37	
Tetrachloroethene	ug/L	ND	1.0	03/20/13 11:37	
Toluene	ug/L	ND	1.0	03/20/13 11:37	
trans-1,2-Dichloroethene	ug/L	ND	1.0	03/20/13 11:37	

QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089789

METHOD BLANK: 556226

Matrix: Water

Associated Lab Samples: 3089789001, 3089789002, 3089789003, 3089789005, 3089789006, 3089789007, 3089789008, 3089789009, 3089789010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	1.0	03/20/13 11:37	
trans-1,4-Dichloro-2-butene	ug/L	ND	5.0	03/20/13 11:37	N2
Trichloroethene	ug/L	ND	1.0	03/20/13 11:37	
Trichlorofluoromethane	ug/L	ND	1.0	03/20/13 11:37	
Vinyl acetate	ug/L	ND	10.0	03/20/13 11:37	
Vinyl chloride	ug/L	ND	1.0	03/20/13 11:37	
Xylene (Total)	ug/L	ND	3.0	03/20/13 11:37	
1,2-Dichloroethane-d4 (S)	%	98	77-119	03/20/13 11:37	
4-Bromofluorobenzene (S)	%	102	85-115	03/20/13 11:37	
Toluene-d8 (S)	%	96	85-115	03/20/13 11:37	

LABORATORY CONTROL SAMPLE: 556227

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	17.1	86	69-122	
1,1,1-Trichloroethane	ug/L	20	15.6	78	62-125	
1,1,2,2-Tetrachloroethane	ug/L	20	15.6	78	61-117	
1,1,2-Trichloroethane	ug/L	20	16.4	82	72-119	
1,1-Dichloroethane	ug/L	20	16.3	82	63-123	
1,1-Dichloroethene	ug/L	20	16.0	80	57-127	
1,2,3-Trichloropropane	ug/L	20	15.4	77	69-121	
1,2-Dibromo-3-chloropropane	ug/L	20	15.5	78	50-133	
1,2-Dibromoethane (EDB)	ug/L	20	16.5	83	70-118	
1,2-Dichlorobenzene	ug/L	20	17.1	86	70-116	
1,2-Dichloroethane	ug/L	20	15.1	76	62-125	
1,2-Dichloropropane	ug/L	20	15.4	77	69-115	
1,4-Dichlorobenzene	ug/L	20	16.8	84	67-119	
2-Butanone (MEK)	ug/L	20	14.6	73	48-136	
2-Hexanone	ug/L	20	16.1	80	52-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	15.7	78	57-124	
Acetone	ug/L	20	13.2	66	49-138	
Acrylonitrile	ug/L	20	16.8	84	70-130	
Benzene	ug/L	20	16.8	84	66-122	
Bromochloromethane	ug/L	20	16.2	81	61-126	
Bromodichloromethane	ug/L	20	16.2	81	63-118	
Bromoform	ug/L	20	17.2	86	46-130	
Bromomethane	ug/L	20	14.5	72	10-175	
Carbon disulfide	ug/L	20	17.4	87	59-142	
Carbon tetrachloride	ug/L	20	16.6	83	55-126	
Chlorobenzene	ug/L	20	16.3	81	70-121	
Chloroethane	ug/L	20	17.0	85	24-161	
Chloroform	ug/L	20	15.4	77	62-126	
Chloromethane	ug/L	20	13.9	69	37-147	
cis-1,2-Dichloroethene	ug/L	20	15.9	80	64-121	

QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089789

LABORATORY CONTROL SAMPLE: 556227

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	20	17.0	85	64-118	
Dibromochloromethane	ug/L	20	17.3	86	60-120	
Dibromomethane	ug/L	20	17.9	89	67-124	
Ethylbenzene	ug/L	20	16.1	81	69-119	
Iodomethane	ug/L	20	9.6J	48	70-130	L2,N2
Methyl-tert-butyl ether	ug/L	20	17.1	85	58-131	
Methylene Chloride	ug/L	20	15.9	79	59-128	
Styrene	ug/L	20	20.5	102	67-146	
Tetrachloroethene	ug/L	20	16.8	84	62-125	
Toluene	ug/L	20	16.5	83	72-115	
trans-1,2-Dichloroethene	ug/L	20	15.9	80	59-122	
trans-1,3-Dichloropropene	ug/L	20	16.0	80	64-120	
trans-1,4-Dichloro-2-butene	ug/L	20	13.4	67	70-130	L2,N2
Trichloroethene	ug/L	20	16.3	82	62-125	
Trichlorofluoromethane	ug/L	20	17.3	87	54-158	
Vinyl acetate	ug/L		2.9J			
Vinyl chloride	ug/L	20	15.3	76	52-145	
Xylene (Total)	ug/L	60	51.1	85	70-123	
1,2-Dichloroethane-d4 (S)	%			99	77-119	
4-Bromofluorobenzene (S)	%			100	85-115	
Toluene-d8 (S)	%			100	85-115	

QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089789

QC Batch:	MSV/15607	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
Associated Lab Samples:	3089789004		

METHOD BLANK: 557063 Matrix: Water

Associated Lab Samples: 3089789004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	03/21/13 13:41	
1,1,1-Trichloroethane	ug/L	ND	1.0	03/21/13 13:41	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	03/21/13 13:41	
1,1,2-Trichloroethane	ug/L	ND	1.0	03/21/13 13:41	
1,1-Dichloroethane	ug/L	ND	1.0	03/21/13 13:41	
1,1-Dichloroethene	ug/L	ND	1.0	03/21/13 13:41	
1,2,3-Trichloropropane	ug/L	ND	1.0	03/21/13 13:41	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	03/21/13 13:41	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	03/21/13 13:41	
1,2-Dichlorobenzene	ug/L	ND	1.0	03/21/13 13:41	
1,2-Dichloroethane	ug/L	ND	1.0	03/21/13 13:41	
1,2-Dichloropropane	ug/L	ND	1.0	03/21/13 13:41	
1,4-Dichlorobenzene	ug/L	ND	1.0	03/21/13 13:41	
2-Butanone (MEK)	ug/L	ND	10.0	03/21/13 13:41	
2-Hexanone	ug/L	ND	10.0	03/21/13 13:41	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	03/21/13 13:41	
Acetone	ug/L	ND	10.0	03/21/13 13:41	
Acrylonitrile	ug/L	ND	2.0	03/21/13 13:41	
Benzene	ug/L	ND	1.0	03/21/13 13:41	
Bromochloromethane	ug/L	ND	1.0	03/21/13 13:41	
Bromodichloromethane	ug/L	ND	1.0	03/21/13 13:41	
Bromoform	ug/L	ND	1.0	03/21/13 13:41	
Bromomethane	ug/L	ND	1.0	03/21/13 13:41	
Carbon disulfide	ug/L	ND	1.0	03/21/13 13:41	
Carbon tetrachloride	ug/L	ND	1.0	03/21/13 13:41	
Chlorobenzene	ug/L	ND	1.0	03/21/13 13:41	
Chloroethane	ug/L	ND	1.0	03/21/13 13:41	
Chloroform	ug/L	ND	1.0	03/21/13 13:41	
Chloromethane	ug/L	ND	1.0	03/21/13 13:41	
cis-1,2-Dichloroethene	ug/L	ND	1.0	03/21/13 13:41	
cis-1,3-Dichloropropene	ug/L	ND	1.0	03/21/13 13:41	
Dibromochloromethane	ug/L	ND	1.0	03/21/13 13:41	
Dibromomethane	ug/L	ND	1.0	03/21/13 13:41	
Ethylbenzene	ug/L	ND	1.0	03/21/13 13:41	
Iodomethane	ug/L	ND	50.0	03/21/13 13:41	N2
Methyl-tert-butyl ether	ug/L	ND	1.0	03/21/13 13:41	
Methylene Chloride	ug/L	ND	1.0	03/21/13 13:41	
Styrene	ug/L	ND	1.0	03/21/13 13:41	
Tetrachloroethene	ug/L	ND	1.0	03/21/13 13:41	
Toluene	ug/L	ND	1.0	03/21/13 13:41	
trans-1,2-Dichloroethene	ug/L	ND	1.0	03/21/13 13:41	
trans-1,3-Dichloropropene	ug/L	ND	1.0	03/21/13 13:41	
trans-1,4-Dichloro-2-butene	ug/L	ND	5.0	03/21/13 13:41	N2

Date: 03/27/2013 04:55 PM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089789

METHOD BLANK: 557063

Matrix: Water

Associated Lab Samples: 3089789004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichloroethene	ug/L	ND	1.0	03/21/13 13:41	
Trichlorofluoromethane	ug/L	ND	1.0	03/21/13 13:41	
Vinyl acetate	ug/L	ND	10.0	03/21/13 13:41	
Vinyl chloride	ug/L	ND	1.0	03/21/13 13:41	
Xylene (Total)	ug/L	ND	3.0	03/21/13 13:41	
1,2-Dichloroethane-d4 (S)	%	99	77-119	03/21/13 13:41	
4-Bromofluorobenzene (S)	%	102	85-115	03/21/13 13:41	
Toluene-d8 (S)	%	95	85-115	03/21/13 13:41	

LABORATORY CONTROL SAMPLE: 557064

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.9	105	69-122	
1,1,1-Trichloroethane	ug/L	20	20.0	100	62-125	
1,1,2,2-Tetrachloroethane	ug/L	20	17.6	88	61-117	
1,1,2-Trichloroethane	ug/L	20	20.2	101	72-119	
1,1-Dichloroethane	ug/L	20	20.0	100	63-123	
1,1-Dichloroethene	ug/L	20	21.5	107	57-127	
1,2,3-Trichloropropane	ug/L	20	18.0	90	69-121	
1,2-Dibromo-3-chloropropane	ug/L	20	17.2	86	50-133	
1,2-Dibromoethane (EDB)	ug/L	20	20.1	100	70-118	
1,2-Dichlorobenzene	ug/L	20	19.1	95	70-116	
1,2-Dichloroethane	ug/L	20	19.7	98	62-125	
1,2-Dichloropropane	ug/L	20	19.7	99	69-115	
1,4-Dichlorobenzene	ug/L	20	19.0	95	67-119	
2-Butanone (MEK)	ug/L	20	16.7	84	48-136	
2-Hexanone	ug/L	20	17.1	85	52-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	18.4	92	57-124	
Acetone	ug/L	20	21.2	106	49-138	
Acrylonitrile	ug/L	20	17.3	86	70-130	
Benzene	ug/L	20	20.3	101	66-122	
Bromochloromethane	ug/L	20	20.5	103	61-126	
Bromodichloromethane	ug/L	20	20.2	101	63-118	
Bromoform	ug/L	20	20.6	103	46-130	
Bromomethane	ug/L	20	15.3	77	10-175	
Carbon disulfide	ug/L	20	19.1	96	59-142	
Carbon tetrachloride	ug/L	20	21.9	109	55-126	
Chlorobenzene	ug/L	20	20.5	103	70-121	
Chloroethane	ug/L	20	23.3	117	24-161	
Chloroform	ug/L	20	18.8	94	62-126	
Chloromethane	ug/L	20	18.7	93	37-147	
cis-1,2-Dichloroethene	ug/L	20	19.5	98	64-121	
cis-1,3-Dichloropropene	ug/L	20	20.9	104	64-118	
Dibromochloromethane	ug/L	20	21.8	109	60-120	
Dibromomethane	ug/L	20	21.2	106	67-124	

QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089789

LABORATORY CONTROL SAMPLE: 557064

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	20	21.2	106	69-119	
Iodomethane	ug/L	20	11.5J	58	70-130	L0,N2
Methyl-tert-butyl ether	ug/L	20	19.8	99	58-131	
Methylene Chloride	ug/L	20	20.4	102	59-128	
Styrene	ug/L	20	24.6	123	67-146	
Tetrachloroethene	ug/L	20	21.2	106	62-125	
Toluene	ug/L	20	20.4	102	72-115	
trans-1,2-Dichloroethene	ug/L	20	21.0	105	59-122	
trans-1,3-Dichloropropene	ug/L	20	18.4	92	64-120	
trans-1,4-Dichloro-2-butene	ug/L	20	11.1	56	70-130	L0,N2
Trichloroethene	ug/L	20	20.9	105	62-125	
Trichlorofluoromethane	ug/L	20	22.5	113	54-158	
Vinyl acetate	ug/L		3.2J			
Vinyl chloride	ug/L	20	20.8	104	52-145	
Xylene (Total)	ug/L	60	62.3	104	70-123	
1,2-Dichloroethane-d4 (S)	%			95	77-119	
4-Bromofluorobenzene (S)	%			96	85-115	
Toluene-d8 (S)	%			102	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 557697 557698

Parameter	Units	3089861001		MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.							
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	20	22.0	18.7	110	93	69-122	17	
1,1,1-Trichloroethane	ug/L	ND	20	20	20	23.0	22.2	115	111	62-125	3	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	20	17.4	16.3	87	81	61-117	7	
1,1,2-Trichloroethane	ug/L	ND	20	20	20	21.3	19.8	107	99	72-119	7	
1,1-Dichloroethane	ug/L	ND	20	20	20	22.0	22.1	110	110	63-123	.1	
1,1-Dichloroethene	ug/L	ND	20	20	20	25.3	24.6	127	123	57-127	3	
1,2,3-Trichloropropane	ug/L	ND	20	20	20	18.2	17.7	91	88	69-121	3	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	20	17.4	18.0	87	90	50-133	4	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	20	21.1	18.4	105	92	70-118	13	
1,2-Dichlorobenzene	ug/L	ND	20	20	20	19.2	18.4	96	92	70-116	4	
1,2-Dichloroethane	ug/L	ND	20	20	20	21.1	20.1	105	101	62-125	5	
1,2-Dichloropropane	ug/L	ND	20	20	20	20.0	17.5	100	88	69-115	13	
1,4-Dichlorobenzene	ug/L	ND	20	20	20	18.3	18.2	92	91	67-119	.6	
2-Butanone (MEK)	ug/L	ND	20	20	20	20.0	17.7	100	89	48-136	12	
2-Hexanone	ug/L	ND	20	20	20	21.0	18.5	105	92	52-130	13	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20	20	20	20.4	17.9	102	90	57-124	13	
Acetone	ug/L	ND	20	20	20	19.7	17.0	99	85	49-138	15	
Acrylonitrile	ug/L	ND	20	20	20	17.8	16.0	89	80	70-130	11	
Benzene	ug/L	ND	20	20	20	21.2	18.8	106	94	66-122	12	
Bromochloromethane	ug/L	ND	20	20	20	22.3	20.9	112	104	61-126	7	
Bromodichloromethane	ug/L	ND	20	20	20	20.2	17.4	101	87	63-118	15	
Bromoform	ug/L	ND	20	20	20	20.9	18.8	104	94	46-130	10	
Bromomethane	ug/L	ND	20	20	20	19.5	19.4	97	97	10-175	.6	
Carbon disulfide	ug/L	ND	20	20	20	16.0	16.3	80	82	59-142	2	

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QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089789

Parameter	Units	3089861001		557697		557698		% Rec	% Rec	Limits	RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec					
Carbon tetrachloride	ug/L	ND	20	20	23.8	22.7	119	113	55-126	5		
Chlorobenzene	ug/L	ND	20	20	20.7	19.1	103	96	70-121	8		
Chloroethane	ug/L	ND	20	20	25.1	26.0	125	130	24-161	3		
Chloroform	ug/L	ND	20	20	22.2	20.9	111	105	62-126	6		
Chloromethane	ug/L	ND	20	20	22.8	21.7	114	109	37-147	5		
cis-1,2-Dichloroethene	ug/L	ND	20	20	21.3	21.4	106	107	64-121	.5		
cis-1,3-Dichloropropene	ug/L	ND	20	20	21.0	18.7	105	94	64-118	12		
Dibromochloromethane	ug/L	ND	20	20	22.4	20.8	112	104	60-120	8		
Dibromomethane	ug/L	ND	20	20	22.8	20.8	114	104	67-124	9		
Ethylbenzene	ug/L	ND	20	20	21.0	19.0	105	95	69-119	10		
Iodomethane	ug/L	ND	20	20	9.3J	9.2J	47	46	70-130		M0,N2	
Methyl-tert-butyl ether	ug/L	ND	20	20	17.5	17.8	87	89	58-131	2		
Methylene Chloride	ug/L	ND	20	20	22.1	21.3	110	106	59-128	4		
Styrene	ug/L	ND	20	20	26.1	22.5	130	112	67-146	15		
Tetrachloroethene	ug/L	ND	20	20	22.6	20.3	113	101	62-125	11		
Toluene	ug/L	ND	20	20	21.3	19.1	107	95	72-115	11		
trans-1,2-Dichloroethene	ug/L	ND	20	20	22.3	22.0	111	110	59-122	1		
trans-1,3-Dichloropropene	ug/L	ND	20	20	18.9	17.0	95	85	64-120	10		
trans-1,4-Dichloro-2-butene	ug/L	ND	20	20	9.6	8.8	48	44	70-130	9	M0,N2	
Trichloroethene	ug/L	ND	20	20	20.8	19.8	104	99	62-125	5		
Trichlorofluoromethane	ug/L	ND	20	20	28.2	27.9	141	140	54-158	1		
Vinyl acetate	ug/L	ND			ND	ND						
Vinyl chloride	ug/L	ND	20	20	24.9	23.7	125	118	52-145	5		
Xylene (Total)	ug/L	ND	60	60	62.7	57.5	105	96	70-123	9		
1,2-Dichloroethane-d4 (S)	%						108	110	77-119			
4-Bromofluorobenzene (S)	%						100	103	85-115			
Toluene-d8 (S)	%						98	92	85-115			

QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089789

QC Batch: OEXT/14573 Analysis Method: EPA 8270
 QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
 Associated Lab Samples: 3089789001, 3089789003, 3089789009

METHOD BLANK: 557562 Matrix: Water

Associated Lab Samples: 3089789001, 3089789003, 3089789009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	1.0	03/25/13 15:40	
1,2-Dichlorobenzene	ug/L	ND	1.0	03/25/13 15:40	
1,3-Dichlorobenzene	ug/L	ND	1.0	03/25/13 15:40	
1,4-Dichlorobenzene	ug/L	ND	1.0	03/25/13 15:40	
1-Methylnaphthalene	ug/L	ND	1.0	03/25/13 15:40	N2
2,4,5-Trichlorophenol	ug/L	ND	2.5	03/25/13 15:40	
2,4,6-Trichlorophenol	ug/L	ND	1.0	03/25/13 15:40	
2,4-Dichlorophenol	ug/L	ND	1.0	03/25/13 15:40	
2,4-Dimethylphenol	ug/L	ND	1.0	03/25/13 15:40	
2,4-Dinitrophenol	ug/L	ND	2.5	03/25/13 15:40	
2,4-Dinitrotoluene	ug/L	ND	1.0	03/25/13 15:40	
2,6-Dinitrotoluene	ug/L	ND	1.0	03/25/13 15:40	
2-Chloronaphthalene	ug/L	ND	1.0	03/25/13 15:40	
2-Chlorophenol	ug/L	ND	1.0	03/25/13 15:40	
2-Methylnaphthalene	ug/L	ND	1.0	03/25/13 15:40	
2-Methylphenol(o-Cresol)	ug/L	ND	1.0	03/25/13 15:40	
2-Nitroaniline	ug/L	ND	2.5	03/25/13 15:40	
2-Nitrophenol	ug/L	ND	1.0	03/25/13 15:40	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	2.0	03/25/13 15:40	
3,3'-Dichlorobenzidine	ug/L	ND	1.0	03/25/13 15:40	
3-Nitroaniline	ug/L	ND	2.5	03/25/13 15:40	
4,6-Dinitro-2-methylphenol	ug/L	ND	2.5	03/25/13 15:40	
4-Bromophenylphenyl ether	ug/L	ND	1.0	03/25/13 15:40	
4-Chloro-3-methylphenol	ug/L	ND	1.0	03/25/13 15:40	
4-Chloroaniline	ug/L	ND	1.0	03/25/13 15:40	
4-Chlorophenylphenyl ether	ug/L	ND	1.0	03/25/13 15:40	
4-Nitroaniline	ug/L	ND	2.5	03/25/13 15:40	
4-Nitrophenol	ug/L	ND	1.0	03/25/13 15:40	
Acenaphthene	ug/L	ND	1.0	03/25/13 15:40	
Acenaphthylene	ug/L	ND	1.0	03/25/13 15:40	
Anthracene	ug/L	ND	1.0	03/25/13 15:40	
Azobenzene	ug/L	ND	1.0	03/25/13 15:40	N2
Benzo(a)anthracene	ug/L	ND	1.0	03/25/13 15:40	
Benzo(a)pyrene	ug/L	ND	1.0	03/25/13 15:40	
Benzo(b)fluoranthene	ug/L	ND	1.0	03/25/13 15:40	
Benzo(g,h,i)perylene	ug/L	ND	1.0	03/25/13 15:40	
Benzo(k)fluoranthene	ug/L	ND	1.0	03/25/13 15:40	
Benzoic acid	ug/L	ND	100	03/25/13 15:40	
Benzyl alcohol	ug/L	ND	1.0	03/25/13 15:40	
bis(2-Chloroethoxy)methane	ug/L	ND	1.0	03/25/13 15:40	
bis(2-Chloroethyl) ether	ug/L	ND	1.0	03/25/13 15:40	
bis(2-Chloroisopropyl) ether	ug/L	ND	1.0	03/25/13 15:40	
bis(2-Ethylhexyl)phthalate	ug/L	ND	1.0	03/25/13 15:40	

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QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089789

METHOD BLANK: 557562

Matrix: Water

Associated Lab Samples: 3089789001, 3089789003, 3089789009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Butylbenzylphthalate	ug/L	ND	1.0	03/25/13 15:40	
Carbazole	ug/L	ND	1.0	03/25/13 15:40	
Chrysene	ug/L	ND	1.0	03/25/13 15:40	
Di-n-butylphthalate	ug/L	ND	1.0	03/25/13 15:40	
Di-n-octylphthalate	ug/L	ND	1.0	03/25/13 15:40	
Dibenz(a,h)anthracene	ug/L	ND	1.0	03/25/13 15:40	
Dibenzofuran	ug/L	ND	1.0	03/25/13 15:40	
Diethylphthalate	ug/L	ND	1.0	03/25/13 15:40	
Dimethylphthalate	ug/L	ND	1.0	03/25/13 15:40	
Fluoranthene	ug/L	ND	1.0	03/25/13 15:40	
Fluorene	ug/L	ND	1.0	03/25/13 15:40	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	03/25/13 15:40	
Hexachlorobenzene	ug/L	ND	1.0	03/25/13 15:40	
Hexachlorocyclopentadiene	ug/L	ND	1.0	03/25/13 15:40	
Hexachloroethane	ug/L	ND	1.0	03/25/13 15:40	
Indeno(1,2,3-cd)pyrene	ug/L	ND	1.0	03/25/13 15:40	
Isophorone	ug/L	ND	1.0	03/25/13 15:40	
N-Nitroso-di-n-propylamine	ug/L	ND	1.0	03/25/13 15:40	
N-Nitrosodimethylamine	ug/L	ND	1.0	03/25/13 15:40	
N-Nitrosodiphenylamine	ug/L	ND	1.0	03/25/13 15:40	
Naphthalene	ug/L	ND	1.0	03/25/13 15:40	
Nitrobenzene	ug/L	ND	1.0	03/25/13 15:40	
Pentachlorophenol	ug/L	ND	2.5	03/25/13 15:40	
Phenanthrene	ug/L	ND	1.0	03/25/13 15:40	
Phenol	ug/L	ND	1.0	03/25/13 15:40	
Pyrene	ug/L	ND	1.0	03/25/13 15:40	
2,4,6-Tribromophenol (S)	%	58	10-123	03/25/13 15:40	
2-Fluorobiphenyl (S)	%	63	43-116	03/25/13 15:40	
2-Fluorophenol (S)	%	41	21-110	03/25/13 15:40	
Nitrobenzene-d5 (S)	%	73	35-114	03/25/13 15:40	
Phenol-d6 (S)	%	22	10-110	03/25/13 15:40	
Terphenyl-d14 (S)	%	100	33-141	03/25/13 15:40	

LABORATORY CONTROL SAMPLE: 557563

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	5	3.7	73	12-105	
1,4-Dichlorobenzene	ug/L	5	2.6	53	10-95	
1-Methylnaphthalene	ug/L	5	3.9	78	15-106	N2
2,4-Dinitrotoluene	ug/L	5	2.8	56	10-133	
2-Chlorophenol	ug/L	5	2.9	58	10-111	
2-Methylnaphthalene	ug/L	5	3.1	62	10-98	
4-Chloro-3-methylphenol	ug/L	5	3.2	63	10-129	
4-Nitrophenol	ug/L	5	1.7	34	10-54	
Acenaphthene	ug/L	5	3.1	63	12-123	

QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089789

LABORATORY CONTROL SAMPLE: 557563

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthylene	ug/L	5	3.0	61	11-131	
Anthracene	ug/L	5	3.6	73	11-135	
Benzo(a)anthracene	ug/L	5	3.2	64	24-138	
Benzo(a)pyrene	ug/L	5	4.0	79	20-136	
Benzo(b)fluoranthene	ug/L	5	3.3	65	19-147	
Benzo(g,h,i)perylene	ug/L	5	4.0	79	11-156	
Benzo(k)fluoranthene	ug/L	5	4.4	87	22-154	
Chrysene	ug/L	5	4.4	88	14-158	
Dibenz(a,h)anthracene	ug/L	5	3.9	77	13-154	
Fluoranthene	ug/L	5	3.6	73	20-135	
Fluorene	ug/L	5	3.6	71	11-128	
Indeno(1,2,3-cd)pyrene	ug/L	5	3.7	75	15-148	
N-Nitroso-di-n-propylamine	ug/L	5	1.7	35	10-136	
Naphthalene	ug/L	5	3.5	71	12-116	
Pentachlorophenol	ug/L	5	3.5	70	13-129	
Phenanthrene	ug/L	5	3.5	69	13-134	
Phenol	ug/L	5	.98J	20	10-47	
Pyrene	ug/L	5	3.5	70	10-158	
2,4,6-Tribromophenol (S)	%			56	10-123	
2-Fluorobiphenyl (S)	%			61	43-116	
2-Fluorophenol (S)	%			36	21-110	
Nitrobenzene-d5 (S)	%			66	35-114	
Phenol-d6 (S)	%			20	10-110	
Terphenyl-d14 (S)	%			81	33-141	

QUALITY CONTROL DATA

Project: Coke Point Landfill
Pace Project No.: 3089789

QC Batch: WET/17564 Analysis Method: EPA 180.1
QC Batch Method: EPA 180.1 Analysis Description: 180.1 Turbidity
Associated Lab Samples: 3089789001, 3089789002, 3089789003, 3089789004, 3089789005, 3089789006, 3089789007, 3089789008, 3089789009, 3089789010

METHOD BLANK: 555852 Matrix: Water
Associated Lab Samples: 3089789001, 3089789002, 3089789003, 3089789004, 3089789005, 3089789006, 3089789007, 3089789008, 3089789009, 3089789010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Turbidity	NTU	ND	0.10	03/19/13 14:29	

LABORATORY CONTROL SAMPLE: 555853

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Turbidity	NTU	8	7.8	98	85-115	

SAMPLE DUPLICATE: 555854

Parameter	Units	3089789010 Result	Dup Result	RPD	Qualifiers
Turbidity	NTU	6.5	6.5	.2	

QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089789

QC Batch: WET/17590

Analysis Method: SM 2320B

QC Batch Method: SM 2320B

Analysis Description: 2320B Alkalinity

Associated Lab Samples: 3089789001, 3089789002, 3089789003, 3089789004, 3089789005, 3089789006, 3089789007, 3089789008, 3089789009, 3089789010

METHOD BLANK: 556547

Matrix: Water

Associated Lab Samples: 3089789001, 3089789002, 3089789003, 3089789004, 3089789005, 3089789006, 3089789007, 3089789008, 3089789009, 3089789010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	ND	10.0	03/26/13 17:30	

LABORATORY CONTROL SAMPLE: 556548

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	20	20.0	100	85-115	

MATRIX SPIKE SAMPLE: 556549

Parameter	Units	3089789001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	1300	100	1400	100	80-120	

SAMPLE DUPLICATE: 556550

Parameter	Units	3089789001 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	1300	1100	17	

QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089789

QC Batch: WET/17573

Analysis Method: SM 2540C

QC Batch Method: SM 2540C

Analysis Description: 2540C Total Dissolved Solids

Associated Lab Samples: 3089789001, 3089789002, 3089789003, 3089789004, 3089789005, 3089789006, 3089789007, 3089789008, 3089789009, 3089789010

METHOD BLANK: 556301

Matrix: Water

Associated Lab Samples: 3089789001, 3089789002, 3089789003, 3089789004, 3089789005, 3089789006, 3089789007, 3089789008, 3089789009, 3089789010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	03/20/13 14:10	

LABORATORY CONTROL SAMPLE: 556302

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	1000	949	95	85-115	

SAMPLE DUPLICATE: 556303

Parameter	Units	3089792006 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	179	177	1	

QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089789

QC Batch: WET/17567

Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B

Analysis Description: 4500H+B pH

Associated Lab Samples: 3089789001, 3089789002, 3089789004, 3089789005, 3089789006, 3089789007, 3089789008, 3089789009, 3089789010

SAMPLE DUPLICATE: 555942

Parameter	Units	3089792005 Result	Dup Result	RPD	Qualifiers
pH at 25 Degrees C	Std. Units	9.4	9.4	.3	H6

QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089789

QC Batch: WET/17572 Analysis Method: SM 4500-H+B

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

Associated Lab Samples: 3089789003

SAMPLE DUPLICATE: 559234

Parameter	Units	3089789003 Result	Dup Result	RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.4	7.5	.8	H6

QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089789

QC Batch: WET/17657

Analysis Method: EPA 9050

QC Batch Method: EPA 9050

Analysis Description: 9050 Specific Conductance

Associated Lab Samples: 3089789001, 3089789002, 3089789003, 3089789004, 3089789005, 3089789006, 3089789007, 3089789008, 3089789009, 3089789010

METHOD BLANK: 558944

Matrix: Water

Associated Lab Samples: 3089789001, 3089789002, 3089789003, 3089789004, 3089789005, 3089789006, 3089789007, 3089789008, 3089789009, 3089789010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Specific Conductance	umhos/cm	ND	1.0	03/26/13 11:47	

LABORATORY CONTROL SAMPLE: 558945

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Specific Conductance	umhos/cm	1410	1360	96	85-115	

SAMPLE DUPLICATE: 558946

Parameter	Units	3089789001 Result	Dup Result	RPD	Qualifiers
Specific Conductance	umhos/cm	8750	8760	.1	

QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089789

QC Batch: WETA/12218

Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1

Analysis Description: 350.1 Ammonia

Associated Lab Samples: 3089789001, 3089789002, 3089789003, 3089789004, 3089789005, 3089789006, 3089789007, 3089789008, 3089789009, 3089789010

METHOD BLANK: 558483

Matrix: Water

Associated Lab Samples: 3089789001, 3089789002, 3089789003, 3089789004, 3089789005, 3089789006, 3089789007, 3089789008, 3089789009, 3089789010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	03/25/13 15:58	

METHOD BLANK: 558484

Matrix: Water

Associated Lab Samples: 3089789001, 3089789002, 3089789003, 3089789004, 3089789005, 3089789006, 3089789007, 3089789008, 3089789009, 3089789010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	03/25/13 15:59	

LABORATORY CONTROL SAMPLE: 558485

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	4	4.0	101	85-115	

MATRIX SPIKE SAMPLE: 558486

Parameter	Units	3089765002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	4	3.1	77	85-115	M1

SAMPLE DUPLICATE: 558487

Parameter	Units	3089765002 Result	Dup Result	RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	ND		

QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089789

QC Batch: WETA/12208

Analysis Method: EPA 410.4

QC Batch Method: EPA 410.4

Analysis Description: 410.4 COD

Associated Lab Samples: 3089789001, 3089789002, 3089789003, 3089789004, 3089789005, 3089789006, 3089789007, 3089789008, 3089789009, 3089789010

METHOD BLANK: 557693

Matrix: Water

Associated Lab Samples: 3089789001, 3089789002, 3089789003, 3089789004, 3089789005, 3089789006, 3089789007, 3089789008, 3089789009, 3089789010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	25.0	03/22/13 10:05	

LABORATORY CONTROL SAMPLE: 557694

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	300	314	105	90-110	

MATRIX SPIKE SAMPLE: 557695

Parameter	Units	3089214002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	ND	150	166	100	90-110	

SAMPLE DUPLICATE: 557696

Parameter	Units	3089214002 Result	Dup Result	RPD	Qualifiers
Chemical Oxygen Demand	mg/L	ND	22.5J		

QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089789

QC Batch: WETA/12202

Analysis Method: SM 4500-Cl-E

QC Batch Method: SM 4500-Cl-E

Analysis Description: 4500 Chloride

Associated Lab Samples: 3089789001, 3089789002, 3089789003, 3089789004, 3089789005, 3089789006, 3089789007, 3089789008, 3089789009, 3089789010

METHOD BLANK: 557552

Matrix: Water

Associated Lab Samples: 3089789001, 3089789002, 3089789003, 3089789004, 3089789005, 3089789006, 3089789007, 3089789008, 3089789009, 3089789010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	3.0	03/22/13 08:08	

LABORATORY CONTROL SAMPLE: 557553

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	40	38.8	97	85-115	

MATRIX SPIKE SAMPLE: 557554

Parameter	Units	3089711001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	ND	20	24.2	109	85-115	

SAMPLE DUPLICATE: 557555

Parameter	Units	3089711001 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	ND	2.4J		

QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089789

QC Batch: WETA/12246

Analysis Method: ASTM D516-90,02

QC Batch Method: ASTM D516-90,02

Analysis Description: ASTM D516-9002 Sulfate Water

Associated Lab Samples: 3089789001, 3089789002, 3089789003, 3089789004, 3089789005, 3089789006, 3089789007, 3089789008, 3089789009, 3089789010

METHOD BLANK: 559213

Matrix: Water

Associated Lab Samples: 3089789001, 3089789002, 3089789003, 3089789004, 3089789005, 3089789006, 3089789007, 3089789008, 3089789009, 3089789010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	ND	10.0	03/26/13 14:30	

LABORATORY CONTROL SAMPLE: 559214

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	30	34.6	115	85-115	

MATRIX SPIKE SAMPLE: 559215

Parameter	Units	3089300002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	107	20	131	123	85-115	M1

SAMPLE DUPLICATE: 559216

Parameter	Units	3089300002 Result	Dup Result	RPD	Qualifiers
Sulfate	mg/L	107	110	3	

QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089789

QC Batch: WETA/12180

Analysis Method: SM 4500-NO2 B

QC Batch Method: SM 4500-NO2 B

Analysis Description: SM4500NO2-B, Nitrite, unpres

Associated Lab Samples: 3089789001, 3089789002, 3089789003, 3089789004, 3089789005, 3089789006, 3089789007, 3089789008, 3089789009, 3089789010

METHOD BLANK: 555948

Matrix: Water

Associated Lab Samples: 3089789001, 3089789002, 3089789003, 3089789004, 3089789005, 3089789006, 3089789007, 3089789008, 3089789009, 3089789010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	ND	0.010	03/19/13 19:01	

METHOD BLANK: 555949

Matrix: Water

Associated Lab Samples: 3089789001, 3089789002, 3089789003, 3089789004, 3089789005, 3089789006, 3089789007, 3089789008, 3089789009, 3089789010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	ND	0.010	03/19/13 19:01	

LABORATORY CONTROL SAMPLE: 555950

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	.1	0.10	102	85-115	

MATRIX SPIKE SAMPLE: 555952

Parameter	Units	3089789010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	ND	.1	0.11	112	85-115	

SAMPLE DUPLICATE: 555951

Parameter	Units	3089789010 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	ND	ND		

QUALITY CONTROL DATA

Project: Coke Point Landfill

Pace Project No.: 3089789

QC Batch: WETA/12220

Analysis Method: SM 4500-NO3 F

QC Batch Method: SM 4500-NO3 F

Analysis Description: SM4500NO3-F, Nitrate, Preserved

Associated Lab Samples: 3089789001, 3089789002, 3089789003, 3089789004, 3089789005, 3089789006, 3089789007, 3089789008, 3089789009, 3089789010

METHOD BLANK: 558492

Matrix: Water

Associated Lab Samples: 3089789001, 3089789002, 3089789003, 3089789004, 3089789005, 3089789006, 3089789007, 3089789008, 3089789009, 3089789010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	ND	0.10	03/25/13 09:16	

LABORATORY CONTROL SAMPLE: 558493

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	4	3.9	98	85-115	

MATRIX SPIKE SAMPLE: 558494

Parameter	Units	3089789001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	ND	5	4.7	94	85-115	

SAMPLE DUPLICATE: 558495

Parameter	Units	3089789001 Result	Dup Result	RPD	Qualifiers
Nitrate as N	mg/L	ND	ND		

QUALIFIERS

Project: Coke Point Landfill
Pace Project No.: 3089789

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

PASI-PA Pace Analytical Services - Greensburg

BATCH QUALIFIERS

Batch: OEXT/14573

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

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

E Analyte concentration exceeded the calibration range. The reported result is estimated.

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

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

L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

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

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

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

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

P8 Analyte was detected in the method blank. All associated samples had concentrations of at least ten times greater than the blank or were below the reporting limit.

R1 RPD value was outside control limits.

QUALIFIERS

Project: Coke Point Landfill

Pace Project No.: 3089789

ANALYTE QUALIFIERS

S2 Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis).

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Coke Point Landfill
Pace Project No.: 3089789

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3089789001	CP05 PZM008	SM 2340B	ICP/9751		
3089789002	CP05 PZM019	SM 2340B	ICP/9751		
3089789003	CP07 PZM006	SM 2340B	ICP/9751		
3089789004	CP09 PZM010	SM 2340B	ICP/9751		
3089789005	CP09 PZM047	SM 2340B	ICP/9751		
3089789006	CP11 PZM010	SM 2340B	ICP/9751		
3089789007	CP14 PZM009	SM 2340B	ICP/9751		
3089789008	CP14 PZM062	SM 2340B	ICP/9751		
3089789009	CP15 PZM020	SM 2340B	ICP/9751		
3089789010	CP15 PZM042	SM 2340B	ICP/9751		
3089789001	CP05 PZM008	EPA 3020	MPRP/38126	EPA 6020	ICPM/15592
3089789002	CP05 PZM019	EPA 3020	MPRP/38126	EPA 6020	ICPM/15592
3089789003	CP07 PZM006	EPA 3020	MPRP/38126	EPA 6020	ICPM/15592
3089789004	CP09 PZM010	EPA 3020	MPRP/38126	EPA 6020	ICPM/15592
3089789005	CP09 PZM047	EPA 3020	MPRP/38126	EPA 6020	ICPM/15592
3089789006	CP11 PZM010	EPA 3020	MPRP/38126	EPA 6020	ICPM/15592
3089789007	CP14 PZM009	EPA 3020	MPRP/38126	EPA 6020	ICPM/15592
3089789008	CP14 PZM062	EPA 3020	MPRP/38126	EPA 6020	ICPM/15592
3089789009	CP15 PZM020	EPA 3020	MPRP/38126	EPA 6020	ICPM/15592
3089789010	CP15 PZM042	EPA 3020	MPRP/38126	EPA 6020	ICPM/15592
3089789004	CP09 PZM010	EPA 3020	MPRP/38127	EPA 6020	ICPM/15593
3089789005	CP09 PZM047	EPA 3020	MPRP/38127	EPA 6020	ICPM/15593
3089789006	CP11 PZM010	EPA 3020	MPRP/38127	EPA 6020	ICPM/15593
3089789009	CP15 PZM020	EPA 3020	MPRP/38127	EPA 6020	ICPM/15593
3089789010	CP15 PZM042	EPA 3020	MPRP/38127	EPA 6020	ICPM/15593
3089789001	CP05 PZM008	EPA 7470	MERP/8172	EPA 7470	MERC/9235
3089789002	CP05 PZM019	EPA 7470	MERP/8172	EPA 7470	MERC/9235
3089789003	CP07 PZM006	EPA 7470	MERP/8172	EPA 7470	MERC/9235
3089789004	CP09 PZM010	EPA 7470	MERP/8172	EPA 7470	MERC/9235
3089789005	CP09 PZM047	EPA 7470	MERP/8172	EPA 7470	MERC/9235
3089789006	CP11 PZM010	EPA 7470	MERP/8172	EPA 7470	MERC/9235
3089789007	CP14 PZM009	EPA 7470	MERP/8172	EPA 7470	MERC/9235
3089789008	CP14 PZM062	EPA 7470	MERP/8172	EPA 7470	MERC/9235
3089789009	CP15 PZM020	EPA 7470	MERP/8172	EPA 7470	MERC/9235
3089789010	CP15 PZM042	EPA 7470	MERP/8172	EPA 7470	MERC/9235
3089789004	CP09 PZM010	EPA 7470	MERP/8173	EPA 7470	MERC/9236
3089789005	CP09 PZM047	EPA 7470	MERP/8173	EPA 7470	MERC/9236
3089789006	CP11 PZM010	EPA 7470	MERP/8173	EPA 7470	MERC/9236
3089789009	CP15 PZM020	EPA 7470	MERP/8173	EPA 7470	MERC/9236
3089789010	CP15 PZM042	EPA 7470	MERP/8173	EPA 7470	MERC/9236
3089789001	CP05 PZM008	EPA 3510	OEXT/14573	EPA 8270	MSSV/4956
3089789003	CP07 PZM006	EPA 3510	OEXT/14573	EPA 8270	MSSV/4956
3089789009	CP15 PZM020	EPA 3510	OEXT/14573	EPA 8270	MSSV/4956
3089789001	CP05 PZM008	EPA 8260	MSV/15593		
3089789002	CP05 PZM019	EPA 8260	MSV/15593		
3089789003	CP07 PZM006	EPA 8260	MSV/15593		

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Coke Point Landfill
Pace Project No.: 3089789

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3089789004	CP09 PZM010	EPA 8260	MSV/15607		
3089789005	CP09 PZM047	EPA 8260	MSV/15593		
3089789006	CP11 PZM010	EPA 8260	MSV/15593		
3089789007	CP14 PZM009	EPA 8260	MSV/15593		
3089789008	CP14 PZM062	EPA 8260	MSV/15593		
3089789009	CP15 PZM020	EPA 8260	MSV/15593		
3089789010	CP15 PZM042	EPA 8260	MSV/15593		
3089789001	CP05 PZM008	EPA 180.1	WET/17564		
3089789002	CP05 PZM019	EPA 180.1	WET/17564		
3089789003	CP07 PZM006	EPA 180.1	WET/17564		
3089789004	CP09 PZM010	EPA 180.1	WET/17564		
3089789005	CP09 PZM047	EPA 180.1	WET/17564		
3089789006	CP11 PZM010	EPA 180.1	WET/17564		
3089789007	CP14 PZM009	EPA 180.1	WET/17564		
3089789008	CP14 PZM062	EPA 180.1	WET/17564		
3089789009	CP15 PZM020	EPA 180.1	WET/17564		
3089789010	CP15 PZM042	EPA 180.1	WET/17564		
3089789001	CP05 PZM008	SM 2320B	WET/17590		
3089789002	CP05 PZM019	SM 2320B	WET/17590		
3089789003	CP07 PZM006	SM 2320B	WET/17590		
3089789004	CP09 PZM010	SM 2320B	WET/17590		
3089789005	CP09 PZM047	SM 2320B	WET/17590		
3089789006	CP11 PZM010	SM 2320B	WET/17590		
3089789007	CP14 PZM009	SM 2320B	WET/17590		
3089789008	CP14 PZM062	SM 2320B	WET/17590		
3089789009	CP15 PZM020	SM 2320B	WET/17590		
3089789010	CP15 PZM042	SM 2320B	WET/17590		
3089789001	CP05 PZM008	SM 2540C	WET/17573		
3089789002	CP05 PZM019	SM 2540C	WET/17573		
3089789003	CP07 PZM006	SM 2540C	WET/17573		
3089789004	CP09 PZM010	SM 2540C	WET/17573		
3089789005	CP09 PZM047	SM 2540C	WET/17573		
3089789006	CP11 PZM010	SM 2540C	WET/17573		
3089789007	CP14 PZM009	SM 2540C	WET/17573		
3089789008	CP14 PZM062	SM 2540C	WET/17573		
3089789009	CP15 PZM020	SM 2540C	WET/17573		
3089789010	CP15 PZM042	SM 2540C	WET/17573		
3089789001	CP05 PZM008	SM 4500-H+B	WET/17567		
3089789002	CP05 PZM019	SM 4500-H+B	WET/17567		
3089789003	CP07 PZM006	SM 4500-H+B	WET/17572		
3089789004	CP09 PZM010	SM 4500-H+B	WET/17567		
3089789005	CP09 PZM047	SM 4500-H+B	WET/17567		
3089789006	CP11 PZM010	SM 4500-H+B	WET/17567		
3089789007	CP14 PZM009	SM 4500-H+B	WET/17567		
3089789008	CP14 PZM062	SM 4500-H+B	WET/17567		

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Coke Point Landfill
Pace Project No.: 3089789

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3089789009	CP15 PZM020	SM 4500-H+B	WET/17567		
3089789010	CP15 PZM042	SM 4500-H+B	WET/17567		
3089789001	CP05 PZM008	EPA 9050	WET/17657		
3089789002	CP05 PZM019	EPA 9050	WET/17657		
3089789003	CP07 PZM006	EPA 9050	WET/17657		
3089789004	CP09 PZM010	EPA 9050	WET/17657		
3089789005	CP09 PZM047	EPA 9050	WET/17657		
3089789006	CP11 PZM010	EPA 9050	WET/17657		
3089789007	CP14 PZM009	EPA 9050	WET/17657		
3089789008	CP14 PZM062	EPA 9050	WET/17657		
3089789009	CP15 PZM020	EPA 9050	WET/17657		
3089789010	CP15 PZM042	EPA 9050	WET/17657		
3089789001	CP05 PZM008	EPA 350.1	WETA/12218		
3089789002	CP05 PZM019	EPA 350.1	WETA/12218		
3089789003	CP07 PZM006	EPA 350.1	WETA/12218		
3089789004	CP09 PZM010	EPA 350.1	WETA/12218		
3089789005	CP09 PZM047	EPA 350.1	WETA/12218		
3089789006	CP11 PZM010	EPA 350.1	WETA/12218		
3089789007	CP14 PZM009	EPA 350.1	WETA/12218		
3089789008	CP14 PZM062	EPA 350.1	WETA/12218		
3089789009	CP15 PZM020	EPA 350.1	WETA/12218		
3089789010	CP15 PZM042	EPA 350.1	WETA/12218		
3089789001	CP05 PZM008	EPA 410.4	WETA/12208		
3089789002	CP05 PZM019	EPA 410.4	WETA/12208		
3089789003	CP07 PZM006	EPA 410.4	WETA/12208		
3089789004	CP09 PZM010	EPA 410.4	WETA/12208		
3089789005	CP09 PZM047	EPA 410.4	WETA/12208		
3089789006	CP11 PZM010	EPA 410.4	WETA/12208		
3089789007	CP14 PZM009	EPA 410.4	WETA/12208		
3089789008	CP14 PZM062	EPA 410.4	WETA/12208		
3089789009	CP15 PZM020	EPA 410.4	WETA/12208		
3089789010	CP15 PZM042	EPA 410.4	WETA/12208		
3089789001	CP05 PZM008	SM 4500-CI-E	WETA/12202		
3089789002	CP05 PZM019	SM 4500-CI-E	WETA/12202		
3089789003	CP07 PZM006	SM 4500-CI-E	WETA/12202		
3089789004	CP09 PZM010	SM 4500-CI-E	WETA/12202		
3089789005	CP09 PZM047	SM 4500-CI-E	WETA/12202		
3089789006	CP11 PZM010	SM 4500-CI-E	WETA/12202		
3089789007	CP14 PZM009	SM 4500-CI-E	WETA/12202		
3089789008	CP14 PZM062	SM 4500-CI-E	WETA/12202		
3089789009	CP15 PZM020	SM 4500-CI-E	WETA/12202		
3089789010	CP15 PZM042	SM 4500-CI-E	WETA/12202		
3089789001	CP05 PZM008	ASTM D516-90,02	WETA/12246		
3089789002	CP05 PZM019	ASTM D516-90,02	WETA/12246		
3089789003	CP07 PZM006	ASTM D516-90,02	WETA/12246		
3089789004	CP09 PZM010	ASTM D516-90,02	WETA/12246		

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Coke Point Landfill

Pace Project No.: 3089789

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3089789005	CP09 PZM047	ASTM D516-90,02	WETA/12246		
3089789006	CP11 PZM010	ASTM D516-90,02	WETA/12246		
3089789007	CP14 PZM009	ASTM D516-90,02	WETA/12246		
3089789008	CP14 PZM062	ASTM D516-90,02	WETA/12246		
3089789009	CP15 PZM020	ASTM D516-90,02	WETA/12246		
3089789010	CP15 PZM042	ASTM D516-90,02	WETA/12246		
3089789001	CP05 PZM008	SM 4500-NO2 B	WETA/12180		
3089789002	CP05 PZM019	SM 4500-NO2 B	WETA/12180		
3089789003	CP07 PZM006	SM 4500-NO2 B	WETA/12180		
3089789004	CP09 PZM010	SM 4500-NO2 B	WETA/12180		
3089789005	CP09 PZM047	SM 4500-NO2 B	WETA/12180		
3089789006	CP11 PZM010	SM 4500-NO2 B	WETA/12180		
3089789007	CP14 PZM009	SM 4500-NO2 B	WETA/12180		
3089789008	CP14 PZM062	SM 4500-NO2 B	WETA/12180		
3089789009	CP15 PZM020	SM 4500-NO2 B	WETA/12180		
3089789010	CP15 PZM042	SM 4500-NO2 B	WETA/12180		
3089789001	CP05 PZM008	SM 4500-NO3 F	WETA/12220		
3089789002	CP05 PZM019	SM 4500-NO3 F	WETA/12220		
3089789003	CP07 PZM006	SM 4500-NO3 F	WETA/12220		
3089789004	CP09 PZM010	SM 4500-NO3 F	WETA/12220		
3089789005	CP09 PZM047	SM 4500-NO3 F	WETA/12220		
3089789006	CP11 PZM010	SM 4500-NO3 F	WETA/12220		
3089789007	CP14 PZM009	SM 4500-NO3 F	WETA/12220		
3089789008	CP14 PZM062	SM 4500-NO3 F	WETA/12220		
3089789009	CP15 PZM020	SM 4500-NO3 F	WETA/12220		
3089789010	CP15 PZM042	SM 4500-NO3 F	WETA/12220		

April 01, 2013

Mr. James Calenda
ELT/Sparrows Point LLC
200 Harry S. Truman Pkwy
Suite 330
Annapolis, MD 21401

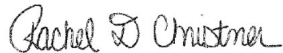
RE: Project: Grey's Landfill
Pace Project No.: 3090074

Dear Mr. Calenda:

Enclosed are the analytical results for sample(s) received by the laboratory on March 22, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Rachel Christner

rachel.christner@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Grey's Landfill
Pace Project No.: 3090074

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: Pace
Florida/NELAP Certification #: E87605
Georgia Certification #: 959
Hawaii Certification #Pace
Idaho Certification #: MN00064
Illinois Certification #: 200011
Kansas Certification #: E-10167
Louisiana Certification #: 03086
Louisiana Certification #: LA080009
Maine Certification #: 2007029
Maryland Certification #: 322
Michigan DEQ Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace

Montana Certification #: MT CERT0092
Nebraska Certification #: Pace
Nevada Certification #: MN_00064
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Dakota Certification #: R-036
North Dakota Certification #: R-036A
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Tennessee Certification #: 02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Virginia/DCLS Certification #: 002521
Virginia/VELAP Certification #: 460163
Washington Certification #: C754
West Virginia Certification #: 382
Wisconsin Certification #: 999407970

Pennsylvania Certification IDs

1638 Roseytown Rd Suites 2,3&4 Greensburg, PA 15601
ACCLASS DOD-ELAP Accreditation #: ADE-1544
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California/TNI Certification #: 04222CA
Colorado Certification
Connecticut Certification #: PH-0694
Delaware Certification
Florida/TNI Certification #: E87683
Guam/PADEP Certification
Hawaii/PADEP Certification
Idaho Certification
Illinois/PADEP Certification
Indiana/PADEP Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: 90133
Louisiana/TNI Certification #: LA080002
Louisiana/TNI Certification #: 4086
Maine Certification #: PA0091
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457

Michigan/PADEP Certification
Missouri Certification #: 235
Montana Certification #: Cert 0082
Nevada Certification
New Hampshire/TNI Certification #: 2976
New Jersey/TNI Certification #: PA 051
New Mexico Certification
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
Oregon/TNI Certification #: PA200002
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
South Dakota Certification
Tennessee Certification #: TN2867
Texas/TNI Certification #: T104704188
Utah/TNI Certification #: ANTE
Virgin Island/PADEP Certification
Virginia Certification #: 00112
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia Certification #: 143
Wisconsin/PADEP Certification
Wyoming Certification #: 8TMS-Q

SAMPLE ANALYTE COUNT

Project: Grey's Landfill

Pace Project No.: 3090074

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3090074001	GL-09 (-2)	SM 2340B	RTW	1	PASI-PA
		EPA 6020	TT3	21	PASI-M
		EPA 8270	TB1	75	PASI-PA
		EPA 8260	DJL	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	CLP	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		ASTM D516-90,02	CLP	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
SM 4500-NO3 F	AMS	1	PASI-PA		
3090074002	GL-09 (-20)	SM 2340B	RTW	1	PASI-PA
		EPA 6020	RJS	21	PASI-M
		EPA 8260	DJL	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	CLP	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		ASTM D516-90,02	CLP	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
3090074003	GL-03 (-16)	SM 2340B	RTW	1	PASI-PA
		EPA 6020	RJS	21	PASI-M
		EPA 8260	DJL	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	CLP	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

SAMPLE ANALYTE COUNT

Project: Grey's Landfill
Pace Project No.: 3090074

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3090074004	GL-03 (-3)	EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		ASTM D516-90,02	CLP	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
		SM 2340B	RTW	1	PASI-PA
		EPA 6020	RJS	21	PASI-M
		EPA 8260	DJL	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	CLP	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		3090074005	GL-18 (-3)	SM 4500-CI-E	AMS
ASTM D516-90,02	CLP			1	PASI-PA
SM 4500-NO2 B	PAS			1	PASI-PA
SM 4500-NO3 F	AMS			1	PASI-PA
SM 2340B	RTW			1	PASI-PA
EPA 6020	RJS			21	PASI-M
EPA 8270	TB1			75	PASI-PA
EPA 8260	DJL			51	PASI-PA
EPA 180.1	PAS			1	PASI-PA
SM 2320B	AMS			1	PASI-PA
SM 2540C	PAS			1	PASI-PA
SM 4500-H+B	JLS			1	PASI-PA
EPA 9050	CLP			1	PASI-PA
EPA 350.1	AMS			1	PASI-PA
EPA 410.4	DLH			1	PASI-PA
SM 4500-CI-E	AMS			1	PASI-PA
3090074006	GL-18 (-33)			ASTM D516-90,02	CLP
		SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
		SM 2340B	RTW	1	PASI-PA
		EPA 6020	RJS	21	PASI-M

REPORT OF LABORATORY ANALYSIS

SAMPLE ANALYTE COUNT

Project: Grey's Landfill

Pace Project No.: 3090074

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260	DJL	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	CLP	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		ASTM D516-90,02	CLP	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
3090074007	GL-20 (-5)	SM 2340B	RTW	1	PASI-PA
		EPA 6020	RJS	21	PASI-M
		EPA 8270	TB1	75	PASI-PA
		EPA 8260	DJL	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	CLP	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		ASTM D516-90,02	CLP	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
3090074008	TS-01 (-7)	SM 2340B	RTW	1	PASI-PA
		EPA 6020	RJS	21	PASI-M
		EPA 8260	DJL	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	CLP	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

SAMPLE ANALYTE COUNT

Project: Grey's Landfill

Pace Project No.: 3090074

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3090074009	GL-17 (-31)	SM 4500-CI-E	AMS	1	PASI-PA
		ASTM D516-90,02	CLP	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
		SM 2340B	RTW	1	PASI-PA
		EPA 6020	RJS	21	PASI-M
		EPA 8270	TB1	75	PASI-PA
		EPA 8260	JAS	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	KLB	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		3090074010	GL-17 (-1)	SM 4500-CI-E	AMS
ASTM D516-90,02	CLP			1	PASI-PA
SM 4500-NO2 B	PAS			1	PASI-PA
SM 4500-NO3 F	AMS			1	PASI-PA
SM 2340B	RTW			1	PASI-PA
EPA 6020	RJS			21	PASI-M
EPA 8270	TB1			75	PASI-PA
EPA 8260	JAS			51	PASI-PA
EPA 180.1	PAS			1	PASI-PA
SM 2320B	AMS			1	PASI-PA
SM 2540C	PAS			1	PASI-PA
SM 4500-H+B	JLS			1	PASI-PA
EPA 9050	KLB			1	PASI-PA
EPA 350.1	AMS			1	PASI-PA
EPA 410.4	DLH			1	PASI-PA
3090074011	GL-02 (-29)			SM 4500-CI-E	AMS
		ASTM D516-90,02	CLP	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
		SM 2340B	RTW	1	PASI-PA
		EPA 6020	RJS	21	PASI-M
		EPA 8260	JAS	51	PASI-PA

REPORT OF LABORATORY ANALYSIS

SAMPLE ANALYTE COUNT

Project: Grey's Landfill

Pace Project No.: 3090074

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	KLB	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		ASTM D516-90,02	CLP	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
3090074012	GL-02 (-5)	EPA 8260	JAS	51	PASI-PA
3090074013	GL-16 (-6)	SM 2340B	RTW	1	PASI-PA
		EPA 6020	RJS	21	PASI-M
		EPA 8260	JAS	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	KLB	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		ASTM D516-90,02	CLP	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
3090074014	GL-16 (-32)	SM 2340B	RTW	1	PASI-PA
		EPA 6020	RJS	21	PASI-M
		EPA 8260	JAS	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	KLB	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

SAMPLE ANALYTE COUNT

Project: Grey's Landfill

Pace Project No.: 3090074

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3090074015	GL-05 (-25)	ASTM D516-90,02	CLP	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
		SM 2340B	RTW	1	PASI-PA
		EPA 6020	RJS	21	PASI-M
		EPA 8260	JAS	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	KLB	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		ASTM D516-90,02	CLP	1	PASI-PA
3090074016	GL-05 (-7)	SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
		SM 2340B	RTW	1	PASI-PA
		EPA 6020	RJS	21	PASI-M
		EPA 8260	JAS	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	KLB	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		ASTM D516-90,02	CLP	1	PASI-PA
		3090074017	GL-15 (-36)	SM 4500-NO2 B	PAS
SM 4500-NO3 F	AMS			1	PASI-PA
SM 2340B	RTW			1	PASI-PA
EPA 6020	RJS			21	PASI-M
EPA 8260	JAS			51	PASI-PA
EPA 180.1	PAS			1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

Page 8 of 113

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SAMPLE ANALYTE COUNT

Project: Grey's Landfill

Pace Project No.: 3090074

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	KLB	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		ASTM D516-90,02	CLP	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
3090074018	GL-15 (-6)	SM 2340B	RTW	1	PASI-PA
		EPA 6020	RJS	21	PASI-M
		EPA 8260	JAS	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	KLB	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		ASTM D516-90,02	CLP	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
3090074019	GL-19	SM 2340B	RTW	1	PASI-PA
		EPA 6020	RJS	21	PASI-M
		EPA 8260	JAS	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	KLB	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		ASTM D516-90,02	CLP	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-09 (-2)	Lab ID: 3090074001	Collected: 03/21/13 09:11	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)	Analytical Method: SM 2340B							
Total Hardness	606 mg/L		2.1	1		03/27/13 09:20		
	Analytical Method: EPA 6010B Preparation Method: EPA 3005							
Calcium	242000 ug/L		1000	1	03/25/13 14:21	03/27/13 09:20	7440-70-2	
Magnesium	552 ug/L		200	1	03/25/13 14:21	03/27/13 09:20	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony	0.00078 mg/L		0.00050	1	03/26/13 10:17	03/26/13 16:04	7440-36-0	
Arsenic	0.024 mg/L		0.00050	1	03/26/13 10:17	03/26/13 16:04	7440-38-2	
Barium	0.046 mg/L		0.00030	1	03/26/13 10:17	03/26/13 16:04	7440-39-3	
Beryllium	ND mg/L		0.00020	1	03/26/13 10:17	03/26/13 16:04	7440-41-7	
Cadmium	0.00035 mg/L		0.000080	1	03/26/13 10:17	03/26/13 16:04	7440-43-9	
Calcium	259 mg/L		1.0	50	03/26/13 10:17	03/26/13 16:13	7440-70-2	M6
Chromium	0.0085 mg/L		0.00050	1	03/26/13 10:17	03/26/13 16:04	7440-47-3	
Cobalt	0.0020 mg/L		0.00050	1	03/26/13 10:17	03/26/13 16:04	7440-48-4	
Copper	0.034 mg/L		0.00050	1	03/26/13 10:17	03/26/13 16:04	7440-50-8	
Iron	4.5 mg/L		0.050	1	03/26/13 10:17	03/26/13 16:04	7439-89-6	M6
Lead	0.0099 mg/L		0.00010	1	03/26/13 10:17	03/26/13 16:04	7439-92-1	
Magnesium	0.50 mg/L		0.0050	1	03/26/13 10:17	03/26/13 16:04	7439-95-4	
Manganese	0.12 mg/L		0.00050	1	03/26/13 10:17	03/26/13 16:04	7439-96-5	
Nickel	0.012 mg/L		0.00050	1	03/26/13 10:17	03/26/13 16:04	7440-02-0	
Potassium	72.5 mg/L		0.10	5	03/26/13 10:17	03/26/13 16:09	7440-09-7	M6
Selenium	0.0016 mg/L		0.00050	1	03/26/13 10:17	03/26/13 16:04	7782-49-2	M6
Silver	0.0019 mg/L		0.00050	1	03/26/13 10:17	03/26/13 16:04	7440-22-4	M6
Sodium	206 mg/L		2.5	50	03/26/13 10:17	03/26/13 16:13	7440-23-5	M6
Thallium	ND mg/L		0.00010	1	03/26/13 10:17	03/26/13 16:04	7440-28-0	
Vanadium	0.017 mg/L		0.00010	1	03/26/13 10:17	03/26/13 16:04	7440-62-2	
Zinc	0.061 mg/L		0.0050	1	03/26/13 10:17	03/26/13 16:04	7440-66-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	83-32-9	
Acenaphthylene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	208-96-8	
Anthracene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	120-12-7	
Azobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	103-33-3	N2
Benzo(a)anthracene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	56-55-3	
Benzo(a)pyrene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	50-32-8	
Benzo(b)fluoranthene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	191-24-2	
Benzo(k)fluoranthene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	207-08-9	
Benzoic acid	ND ug/L		111	1	03/26/13 08:30	03/27/13 15:15	65-85-0	
Benzyl alcohol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	100-51-6	
4-Bromophenylphenyl ether	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	101-55-3	
Butylbenzylphthalate	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	85-68-7	
Carbazole	2.6 ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	86-74-8	
4-Chloro-3-methylphenol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	59-50-7	
4-Chloroaniline	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	106-47-8	

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ANALYTICAL RESULTS

Project: Grey's Landfill

Sample Project No.: 3090074

Sample: GL-09 (-2)	Lab ID: 3090074001	Collected: 03/21/13 09:11	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic								
Analytical Method: EPA 8270 Preparation Method: EPA 3510								
bis(2-Chloroethoxy)methane	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	111-91-1	
bis(2-Chloroethyl) ether	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	108-60-1	
2-Chloronaphthalene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	91-58-7	
2-Chlorophenol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	95-57-8	
4-Chlorophenylphenyl ether	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	7005-72-3	
Chrysene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	53-70-3	
Dibenzofuran	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	132-64-9	
1,2-Dichlorobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	106-46-7	
3,3'-Dichlorobenzidine	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	91-94-1	
2,4-Dichlorophenol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	120-83-2	
Diethylphthalate	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	84-66-2	
2,4-Dimethylphenol	16.4 ug/L		11.1	10	03/26/13 08:30	03/28/13 18:49	105-67-9	
Dimethylphthalate	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	131-11-3	
Di-n-butylphthalate	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/L		2.8	1	03/26/13 08:30	03/27/13 15:15	534-52-1	
2,4-Dinitrophenol	ND ug/L		2.8	1	03/26/13 08:30	03/27/13 15:15	51-28-5	
2,4-Dinitrotoluene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	121-14-2	
2,6-Dinitrotoluene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	606-20-2	
Di-n-octylphthalate	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	117-81-7	
Fluoranthene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	206-44-0	
Fluorene	1.2 ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	86-73-7	
Hexachloro-1,3-butadiene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	87-68-3	
Hexachlorobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	118-74-1	
Hexachlorocyclopentadiene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	77-47-4	
Hexachloroethane	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	193-39-5	
Isophorone	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	78-59-1	
1-Methylnaphthalene	1.7 ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	90-12-0	N2
2-Methylnaphthalene	2.2 ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	91-57-6	
2-Methylphenol(o-Cresol)	10.4 ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	95-48-7	
3&4-Methylphenol(m&p Cresol)	24.4 ug/L		22.2	10	03/26/13 08:30	03/28/13 18:49		
Naphthalene	17.0 ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	91-20-3	
2-Nitroaniline	ND ug/L		2.8	1	03/26/13 08:30	03/27/13 15:15	88-74-4	
3-Nitroaniline	ND ug/L		2.8	1	03/26/13 08:30	03/27/13 15:15	99-09-2	
4-Nitroaniline	ND ug/L		2.8	1	03/26/13 08:30	03/27/13 15:15	100-01-6	
Nitrobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	98-95-3	
2-Nitrophenol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	88-75-5	
4-Nitrophenol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	100-02-7	
N-Nitrosodimethylamine	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	621-64-7	
N-Nitrosodiphenylamine	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	86-30-6	
Pentachlorophenol	ND ug/L		2.8	1	03/26/13 08:30	03/27/13 15:15	87-86-5	

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ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-09 (-2)		Lab ID: 3090074001	Collected: 03/21/13 09:11	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510						
Phenanthrene	1.4 ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	85-01-8	
Phenol	31.7 ug/L		11.1	10	03/26/13 08:30	03/28/13 18:49	108-95-2	
Pyrene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	129-00-0	
1,2,4-Trichlorobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	120-82-1	
2,4,5-Trichlorophenol	ND ug/L		2.8	1	03/26/13 08:30	03/27/13 15:15	95-95-4	
2,4,6-Trichlorophenol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	84 %		35-114	1	03/26/13 08:30	03/27/13 15:15	4165-60-0	
2-Fluorobiphenyl (S)	64 %		43-116	1	03/26/13 08:30	03/27/13 15:15	321-60-8	
Terphenyl-d14 (S)	107 %		33-141	1	03/26/13 08:30	03/27/13 15:15	1718-51-0	
Phenol-d6 (S)	36 %		10-110	1	03/26/13 08:30	03/27/13 15:15	13127-88-3	
2-Fluorophenol (S)	40 %		21-110	1	03/26/13 08:30	03/27/13 15:15	367-12-4	
2,4,6-Tribromophenol (S)	93 %		10-123	1	03/26/13 08:30	03/27/13 15:15	118-79-6	
8260 MSV		Analytical Method: EPA 8260						
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 20:51	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/27/13 20:51	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 20:51	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/27/13 20:51	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/27/13 20:51	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/27/13 20:51	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/27/13 20:51	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/27/13 20:51	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/27/13 20:51	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 20:51	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/27/13 20:51	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/27/13 20:51	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 20:51	106-46-7	
2-Butanone (MEK)	19.0 ug/L		5.0	1		03/27/13 20:51	78-93-3	
2-Hexanone	6.4 ug/L		5.0	1		03/27/13 20:51	591-78-6	
4-Methyl-2-pentanone (MIBK)	5.9 ug/L		5.0	1		03/27/13 20:51	108-10-1	
Acetone	121 ug/L		5.0	1		03/27/13 20:51	67-64-1	
Acrylonitrile	ND ug/L		2.0	1		03/27/13 20:51	107-13-1	
Benzene	1.2 ug/L		1.0	1		03/27/13 20:51	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		03/27/13 20:51	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		03/27/13 20:51	75-27-4	
Bromoform	ND ug/L		1.0	1		03/27/13 20:51	75-25-2	
Bromomethane	ND ug/L		1.0	1		03/27/13 20:51	74-83-9	
Carbon disulfide	ND ug/L		1.0	1		03/27/13 20:51	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		03/27/13 20:51	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		03/27/13 20:51	108-90-7	
Chloroethane	ND ug/L		1.0	1		03/27/13 20:51	75-00-3	
Chloroform	ND ug/L		1.0	1		03/27/13 20:51	67-66-3	
Chloromethane	ND ug/L		1.0	1		03/27/13 20:51	74-87-3	
Dibromochloromethane	ND ug/L		1.0	1		03/27/13 20:51	124-48-1	
Dibromomethane	ND ug/L		1.0	1		03/27/13 20:51	74-95-3	
Ethylbenzene	ND ug/L		1.0	1		03/27/13 20:51	100-41-4	

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ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-09 (-2)		Lab ID: 3090074001	Collected: 03/21/13 09:11	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Iodomethane	ND	ug/L	1.0	1		03/27/13 20:51	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/27/13 20:51	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/27/13 20:51	75-09-2	
Styrene	ND	ug/L	1.0	1		03/27/13 20:51	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/27/13 20:51	127-18-4	
Toluene	3.1	ug/L	1.0	1		03/27/13 20:51	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/27/13 20:51	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/27/13 20:51	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/27/13 20:51	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/27/13 20:51	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/27/13 20:51	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/27/13 20:51	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 20:51	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/27/13 20:51	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 20:51	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/27/13 20:51	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	103	%	85-115	1		03/27/13 20:51	460-00-4	
1,2-Dichloroethane-d4 (S)	88	%	77-119	1		03/27/13 20:51	17060-07-0	
Toluene-d8 (S)	97	%	85-115	1		03/27/13 20:51	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	12.6	NTU	0.20	2		03/22/13 18:39		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	188	mg/L	10.0	1		03/28/13 13:30		
2540C Total Dissolved Solids		Analytical Method: SM 2540C						
Total Dissolved Solids	1600	mg/L	10.0	1		03/25/13 14:50		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	9.9	Std. Units	0.10	1		03/22/13 17:16		H6
9050 Specific Conductance		Analytical Method: EPA 9050						
Specific Conductance	253	umhos/cm	1.0	1		03/28/13 16:20		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	136	mg/L	2.0	20		03/28/13 09:59	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	227	mg/L	10.0	1		03/28/13 08:40		
4500 Chloride		Analytical Method: SM 4500-Cl-E						
Chloride	291	mg/L	60.0	20		03/26/13 15:03	16887-00-6	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-09 (-2)		Lab ID: 3090074001	Collected: 03/21/13 09:11	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	723	mg/L	9.5	25		03/28/13 13:18	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	0.010	mg/L	0.010	1		03/22/13 20:42	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	ND	mg/L	0.060	1		03/28/13 07:36	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-09 (-20)	Lab ID: 3090074002	Collected: 03/21/13 09:11	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)	Analytical Method: SM 2340B							
Total Hardness	431 mg/L		2.1	1		03/27/13 09:23		
	Analytical Method: EPA 6010B Preparation Method: EPA 3005							
Calcium	39100 ug/L		1000	1	03/25/13 14:21	03/27/13 09:23	7440-70-2	
Magnesium	80900 ug/L		200	1	03/25/13 14:21	03/27/13 09:23	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:59	7440-36-0	D3
Arsenic	0.0037 mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:59	7440-38-2	
Barium	0.18 mg/L		0.0015	5	03/24/13 07:10	03/28/13 12:59	7440-39-3	
Beryllium	ND mg/L		0.0010	5	03/24/13 07:10	03/28/13 12:59	7440-41-7	D3
Cadmium	ND mg/L		0.00040	5	03/24/13 07:10	03/28/13 12:59	7440-43-9	D3
Calcium	39.2 mg/L		0.10	5	03/24/13 07:10	03/28/13 12:59	7440-70-2	
Chromium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:59	7440-47-3	D3
Cobalt	0.0051 mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:59	7440-48-4	
Copper	0.0049 mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:59	7440-50-8	
Iron	50.6 mg/L		0.25	5	03/24/13 07:10	03/28/13 12:59	7439-89-6	
Lead	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 12:59	7439-92-1	D3
Magnesium	80.1 mg/L		0.025	5	03/24/13 07:10	03/28/13 12:59	7439-95-4	
Manganese	3.3 mg/L		0.012	25	03/24/13 07:10	03/28/13 13:04	7439-96-5	
Nickel	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:59	7440-02-0	D3
Potassium	12.0 mg/L		0.10	5	03/24/13 07:10	03/28/13 12:59	7440-09-7	
Selenium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:59	7782-49-2	D3
Silver	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:59	7440-22-4	D3
Sodium	330 mg/L		1.2	25	03/24/13 07:10	03/28/13 13:04	7440-23-5	
Thallium	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 12:59	7440-28-0	D3
Vanadium	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 12:59	7440-62-2	D3
Zinc	0.031 mg/L		0.025	5	03/24/13 07:10	03/28/13 12:59	7440-66-6	
8260 MSV	Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 18:00	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/27/13 18:00	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 18:00	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/27/13 18:00	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/27/13 18:00	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/27/13 18:00	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/27/13 18:00	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/27/13 18:00	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/27/13 18:00	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 18:00	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/27/13 18:00	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/27/13 18:00	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 18:00	106-46-7	
2-Butanone (MEK)	ND ug/L		5.0	1		03/27/13 18:00	78-93-3	
2-Hexanone	ND ug/L		5.0	1		03/27/13 18:00	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		03/27/13 18:00	108-10-1	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-09 (-20)		Lab ID: 3090074002	Collected: 03/21/13 09:11	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	5.0	1		03/27/13 18:00	67-64-1	
Acrylonitrile	ND	ug/L	2.0	1		03/27/13 18:00	107-13-1	
Benzene	ND	ug/L	1.0	1		03/27/13 18:00	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/27/13 18:00	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/27/13 18:00	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/27/13 18:00	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/27/13 18:00	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		03/27/13 18:00	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/27/13 18:00	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/27/13 18:00	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/27/13 18:00	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/27/13 18:00	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/27/13 18:00	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/27/13 18:00	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/27/13 18:00	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/27/13 18:00	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/27/13 18:00	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/27/13 18:00	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/27/13 18:00	75-09-2	
Styrene	ND	ug/L	1.0	1		03/27/13 18:00	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/27/13 18:00	127-18-4	
Toluene	ND	ug/L	1.0	1		03/27/13 18:00	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/27/13 18:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/27/13 18:00	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/27/13 18:00	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/27/13 18:00	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/27/13 18:00	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/27/13 18:00	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 18:00	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/27/13 18:00	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 18:00	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/27/13 18:00	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	104	%	85-115	1		03/27/13 18:00	460-00-4	
1,2-Dichloroethane-d4 (S)	88	%	77-119	1		03/27/13 18:00	17060-07-0	
Toluene-d8 (S)	98	%	85-115	1		03/27/13 18:00	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	72.8	NTU	0.20	2		03/22/13 18:39		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	330	mg/L	10.0	1		03/28/13 13:30		
2540C Total Dissolved Solids		Analytical Method: SM 2540C						
Total Dissolved Solids	1330	mg/L	10.0	1		03/25/13 14:50		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-09 (-20)		Lab ID: 3090074002	Collected: 03/21/13 09:11	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	6.2	Std. Units	0.10	1		03/22/13 17:16		H6
9050 Specific Conductance	Analytical Method: EPA 9050							
Specific Conductance	2610	umhos/cm	1.0	1		03/28/13 16:20		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	1.9	mg/L	0.10	1		03/28/13 09:59	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	61.7	mg/L	10.0	1		03/28/13 08:40		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	494	mg/L	150	50		03/26/13 15:04	16887-00-6	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	77.5	mg/L	1.9	5		03/28/13 13:03	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	0.021	mg/L	0.010	1		03/22/13 20:43	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	ND	mg/L	0.060	1		03/28/13 07:36	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-03 (-16)	Lab ID: 3090074003	Collected: 03/21/13 10:00	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)								
Analytical Method: SM 2340B								
Total Hardness	521 mg/L		2.1	1		03/27/13 09:26		
Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Calcium	97200 ug/L		1000	1	03/25/13 14:21	03/27/13 09:26	7440-70-2	
Magnesium	67500 ug/L		200	1	03/25/13 14:21	03/27/13 09:26	7439-95-4	
6020 MET ICPMS								
Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Antimony	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 13:08	7440-36-0	D3
Arsenic	0.0035 mg/L		0.0025	5	03/24/13 07:10	03/28/13 13:08	7440-38-2	
Barium	0.073 mg/L		0.0015	5	03/24/13 07:10	03/28/13 13:08	7440-39-3	
Beryllium	ND mg/L		0.0010	5	03/24/13 07:10	03/28/13 13:08	7440-41-7	D3
Cadmium	ND mg/L		0.00040	5	03/24/13 07:10	03/28/13 13:08	7440-43-9	D3
Calcium	99.8 mg/L		0.10	5	03/24/13 07:10	03/28/13 13:08	7440-70-2	
Chromium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 13:08	7440-47-3	D3
Cobalt	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 13:08	7440-48-4	D3
Copper	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 13:08	7440-50-8	D3
Iron	ND mg/L		0.25	5	03/24/13 07:10	03/28/13 13:08	7439-89-6	
Lead	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 13:08	7439-92-1	D3
Magnesium	66.6 mg/L		0.025	5	03/24/13 07:10	03/28/13 13:08	7439-95-4	
Manganese	0.25 mg/L		0.0025	5	03/24/13 07:10	03/28/13 13:08	7439-96-5	
Nickel	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 13:08	7440-02-0	D3
Potassium	12.1 mg/L		0.10	5	03/24/13 07:10	03/28/13 13:08	7440-09-7	
Selenium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 13:08	7782-49-2	D3
Silver	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 13:08	7440-22-4	D3
Sodium	178 mg/L		1.2	25	03/24/13 07:10	03/28/13 13:13	7440-23-5	
Thallium	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 13:08	7440-28-0	D3
Vanadium	0.0032 mg/L		0.00050	5	03/24/13 07:10	03/28/13 13:08	7440-62-2	
Zinc	0.028 mg/L		0.025	5	03/24/13 07:10	03/28/13 13:08	7440-66-6	
8260 MSV								
Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 18:24	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/27/13 18:24	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 18:24	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/27/13 18:24	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/27/13 18:24	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/27/13 18:24	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/27/13 18:24	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/27/13 18:24	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/27/13 18:24	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 18:24	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/27/13 18:24	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/27/13 18:24	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 18:24	106-46-7	
2-Butanone (MEK)	ND ug/L		5.0	1		03/27/13 18:24	78-93-3	
2-Hexanone	ND ug/L		5.0	1		03/27/13 18:24	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		03/27/13 18:24	108-10-1	

Date: 04/01/2013 01:12 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-03 (-16)		Lab ID: 3090074003	Collected: 03/21/13 10:00	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	5.0	1		03/27/13 18:24	67-64-1	
Acrylonitrile	ND	ug/L	2.0	1		03/27/13 18:24	107-13-1	
Benzene	11.8	ug/L	1.0	1		03/27/13 18:24	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/27/13 18:24	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/27/13 18:24	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/27/13 18:24	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/27/13 18:24	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		03/27/13 18:24	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/27/13 18:24	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/27/13 18:24	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/27/13 18:24	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/27/13 18:24	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/27/13 18:24	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/27/13 18:24	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/27/13 18:24	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/27/13 18:24	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/27/13 18:24	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/27/13 18:24	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/27/13 18:24	75-09-2	
Styrene	ND	ug/L	1.0	1		03/27/13 18:24	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/27/13 18:24	127-18-4	
Toluene	ND	ug/L	1.0	1		03/27/13 18:24	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/27/13 18:24	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/27/13 18:24	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/27/13 18:24	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/27/13 18:24	75-01-4	
Xylene (Total)	3.6	ug/L	1.0	1		03/27/13 18:24	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/27/13 18:24	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 18:24	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/27/13 18:24	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 18:24	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/27/13 18:24	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	99 %		85-115	1		03/27/13 18:24	460-00-4	
1,2-Dichloroethane-d4 (S)	93 %		77-119	1		03/27/13 18:24	17060-07-0	
Toluene-d8 (S)	100 %		85-115	1		03/27/13 18:24	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	8.0	NTU	0.20	2		03/22/13 18:39		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	576	mg/L	10.0	1		03/28/13 13:30		
2540C Total Dissolved Solids		Analytical Method: SM 2540C						
Total Dissolved Solids	1130	mg/L	10.0	1		03/25/13 14:50		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-03 (-16)		Lab ID: 3090074003	Collected: 03/21/13 10:00	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	7.9	Std. Units	0.10	1		03/22/13 17:16		H6
9050 Specific Conductance	Analytical Method: EPA 9050							
Specific Conductance	1940	umhos/cm	1.0	1		03/28/13 16:20		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	23.9	mg/L	0.50	5		03/28/13 09:59	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	283	mg/L	10.0	1		03/28/13 08:40		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	348	mg/L	30.0	10		03/26/13 15:04	16887-00-6	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	48.3	mg/L	0.38	1		03/28/13 12:32	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	ND	mg/L	0.010	1		03/22/13 20:43	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	ND	mg/L	0.060	1		03/28/13 07:36	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-03 (-3)	Lab ID: 3090074004	Collected: 03/21/13 10:00	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)		Analytical Method: SM 2340B						
Total Hardness	403 mg/L		2.1	1		03/27/13 09:29		
		Analytical Method: EPA 6010B Preparation Method: EPA 3005						
Calcium	161000 ug/L		1000	1	03/25/13 14:21	03/27/13 09:29	7440-70-2	
Magnesium	ND ug/L		200	1	03/25/13 14:21	03/27/13 09:29	7439-95-4	
6020 MET ICPMS		Analytical Method: EPA 6020 Preparation Method: EPA 3020						
Antimony	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 07:53	7440-36-0	D3
Arsenic	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 07:53	7440-38-2	D3
Barium	0.058 mg/L		0.0015	5	03/24/13 07:10	03/28/13 07:53	7440-39-3	
Beryllium	ND mg/L		0.0010	5	03/24/13 07:10	03/28/13 07:53	7440-41-7	D3
Cadmium	ND mg/L		0.00040	5	03/24/13 07:10	03/28/13 07:53	7440-43-9	D3
Calcium	163 mg/L		0.50	25	03/24/13 07:10	03/28/13 08:13	7440-70-2	M6
Chromium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 07:53	7440-47-3	D3
Cobalt	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 07:53	7440-48-4	D3
Copper	0.0042 mg/L		0.0025	5	03/24/13 07:10	03/28/13 07:53	7440-50-8	
Iron	ND mg/L		0.25	5	03/24/13 07:10	03/28/13 07:53	7439-89-6	D3
Lead	0.0065 mg/L		0.00050	5	03/24/13 07:10	03/28/13 07:53	7439-92-1	
Magnesium	0.035 mg/L		0.025	5	03/24/13 07:10	03/28/13 07:53	7439-95-4	
Manganese	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 07:53	7439-96-5	D3
Nickel	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 07:53	7440-02-0	D3
Potassium	11.1 mg/L		0.10	5	03/24/13 07:10	03/28/13 07:53	7440-09-7	
Selenium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 07:53	7782-49-2	D3
Silver	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 07:53	7440-22-4	D3
Sodium	11.4 mg/L		0.25	5	03/24/13 07:10	03/28/13 07:53	7440-23-5	
Thallium	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 07:53	7440-28-0	D3
Vanadium	0.022 mg/L		0.00050	5	03/24/13 07:10	03/28/13 07:53	7440-62-2	
Zinc	0.035 mg/L		0.025	5	03/24/13 07:10	03/28/13 07:53	7440-66-6	M6
8260 MSV		Analytical Method: EPA 8260						
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 18:49	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/27/13 18:49	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 18:49	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/27/13 18:49	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/27/13 18:49	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/27/13 18:49	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/27/13 18:49	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/27/13 18:49	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/27/13 18:49	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 18:49	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/27/13 18:49	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/27/13 18:49	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 18:49	106-46-7	
2-Butanone (MEK)	ND ug/L		5.0	1		03/27/13 18:49	78-93-3	
2-Hexanone	ND ug/L		5.0	1		03/27/13 18:49	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		03/27/13 18:49	108-10-1	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-03 (-3)		Lab ID: 3090074004	Collected: 03/21/13 10:00	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	5.0	1		03/27/13 18:49	67-64-1	
Acrylonitrile	ND	ug/L	2.0	1		03/27/13 18:49	107-13-1	
Benzene	1.3	ug/L	1.0	1		03/27/13 18:49	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/27/13 18:49	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/27/13 18:49	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/27/13 18:49	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/27/13 18:49	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		03/27/13 18:49	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/27/13 18:49	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/27/13 18:49	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/27/13 18:49	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/27/13 18:49	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/27/13 18:49	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/27/13 18:49	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/27/13 18:49	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/27/13 18:49	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/27/13 18:49	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/27/13 18:49	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/27/13 18:49	75-09-2	
Styrene	ND	ug/L	1.0	1		03/27/13 18:49	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/27/13 18:49	127-18-4	
Toluene	ND	ug/L	1.0	1		03/27/13 18:49	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/27/13 18:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/27/13 18:49	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/27/13 18:49	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/27/13 18:49	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/27/13 18:49	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/27/13 18:49	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 18:49	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/27/13 18:49	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 18:49	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/27/13 18:49	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	101	%	85-115	1		03/27/13 18:49	460-00-4	
1,2-Dichloroethane-d4 (S)	88	%	77-119	1		03/27/13 18:49	17060-07-0	
Toluene-d8 (S)	96	%	85-115	1		03/27/13 18:49	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	0.58	NTU	0.10	1		03/22/13 18:39		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	500	mg/L	10.0	1		03/28/13 13:30		
2540C Total Dissolved Solids		Analytical Method: SM 2540C						
Total Dissolved Solids	507	mg/L	10.0	1		03/25/13 14:50		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-03 (-3)		Lab ID: 3090074004	Collected: 03/21/13 10:00	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	11.8	Std. Units	0.10	1		03/22/13 17:16		H6
9050 Specific Conductance	Analytical Method: EPA 9050							
Specific Conductance	1790	umhos/cm	1.0	1		03/28/13 16:20		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	1.5	mg/L	0.10	1		03/28/13 09:59	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	13.8	mg/L	10.0	1		03/28/13 08:40		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	12.2	mg/L	3.0	1		03/26/13 15:05	16887-00-6	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	126	mg/L	0.76	2		03/28/13 12:32	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	0.093	mg/L	0.010	1		03/22/13 20:43	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	ND	mg/L	0.060	1		03/28/13 07:36	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-18 (-3)	Lab ID: 3090074005	Collected: 03/21/13 10:43	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)	Analytical Method: SM 2340B							
Total Hardness	655 mg/L		2.1	1		03/27/13 09:41		
	Analytical Method: EPA 6010B Preparation Method: EPA 3005							
Calcium	262000 ug/L		1000	1	03/25/13 14:21	03/27/13 09:41	7440-70-2	
Magnesium	ND ug/L		200	1	03/25/13 14:21	03/27/13 09:41	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 07:45	7440-36-0	D3
Arsenic	0.0087 mg/L		0.0025	5	03/24/13 07:10	03/28/13 07:45	7440-38-2	
Barium	0.026 mg/L		0.0015	5	03/24/13 07:10	03/28/13 07:45	7440-39-3	
Beryllium	ND mg/L		0.0010	5	03/24/13 07:10	03/28/13 07:45	7440-41-7	D3
Cadmium	ND mg/L		0.00040	5	03/24/13 07:10	03/28/13 07:45	7440-43-9	D3
Calcium	264 mg/L		0.50	25	03/24/13 07:10	03/28/13 07:49	7440-70-2	
Chromium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 07:45	7440-47-3	D3
Cobalt	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 07:45	7440-48-4	D3
Copper	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 07:45	7440-50-8	D3
Iron	0.30 mg/L		0.25	5	03/24/13 07:10	03/28/13 07:45	7439-89-6	
Lead	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 07:45	7439-92-1	D3
Magnesium	0.047 mg/L		0.025	5	03/24/13 07:10	03/28/13 07:45	7439-95-4	
Manganese	0.0035 mg/L		0.0025	5	03/24/13 07:10	03/28/13 07:45	7439-96-5	
Nickel	0.017 mg/L		0.0025	5	03/24/13 07:10	03/28/13 07:45	7440-02-0	
Potassium	109 mg/L		0.50	25	03/24/13 07:10	03/28/13 07:49	7440-09-7	
Selenium	0.0025 mg/L		0.0025	5	03/24/13 07:10	03/28/13 07:45	7782-49-2	
Silver	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 07:45	7440-22-4	D3
Sodium	146 mg/L		1.2	25	03/24/13 07:10	03/28/13 07:49	7440-23-5	
Thallium	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 07:45	7440-28-0	D3
Vanadium	0.022 mg/L		0.00050	5	03/24/13 07:10	03/28/13 07:45	7440-62-2	
Zinc	ND mg/L		0.025	5	03/24/13 07:10	03/28/13 07:45	7440-66-6	D3
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	32.1 ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	83-32-9	
Acenaphthylene	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	208-96-8	
Anthracene	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	120-12-7	
Azobenzene	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	103-33-3	N2
Benzo(a)anthracene	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	56-55-3	
Benzo(a)pyrene	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	50-32-8	
Benzo(b)fluoranthene	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	191-24-2	
Benzo(k)fluoranthene	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	207-08-9	
Benzoic acid	ND ug/L		1100	10	03/26/13 08:30	03/27/13 16:00	65-85-0	
Benzyl alcohol	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	100-51-6	
4-Bromophenylphenyl ether	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	101-55-3	
Butylbenzylphthalate	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	85-68-7	
Carbazole	165 ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	86-74-8	
4-Chloro-3-methylphenol	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	59-50-7	
4-Chloroaniline	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	106-47-8	

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ANALYTICAL RESULTS

Project: Grey's Landfill

Sample Project No.: 3090074

Sample: GL-18 (-3)	Lab ID: 3090074005	Collected: 03/21/13 10:43	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic								
Analytical Method: EPA 8270 Preparation Method: EPA 3510								
bis(2-Chloroethoxy)methane	ND	ug/L	11.0	10	03/26/13 08:30	03/27/13 16:00	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	11.0	10	03/26/13 08:30	03/27/13 16:00	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	11.0	10	03/26/13 08:30	03/27/13 16:00	108-60-1	
2-Chloronaphthalene	ND	ug/L	11.0	10	03/26/13 08:30	03/27/13 16:00	91-58-7	
2-Chlorophenol	ND	ug/L	11.0	10	03/26/13 08:30	03/27/13 16:00	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	11.0	10	03/26/13 08:30	03/27/13 16:00	7005-72-3	
Chrysene	ND	ug/L	11.0	10	03/26/13 08:30	03/27/13 16:00	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	11.0	10	03/26/13 08:30	03/27/13 16:00	53-70-3	
Dibenzofuran	ND	ug/L	11.0	10	03/26/13 08:30	03/27/13 16:00	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	11.0	10	03/26/13 08:30	03/27/13 16:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	11.0	10	03/26/13 08:30	03/27/13 16:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	11.0	10	03/26/13 08:30	03/27/13 16:00	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	11.0	10	03/26/13 08:30	03/27/13 16:00	91-94-1	
2,4-Dichlorophenol	ND	ug/L	11.0	10	03/26/13 08:30	03/27/13 16:00	120-83-2	
Diethylphthalate	ND	ug/L	11.0	10	03/26/13 08:30	03/27/13 16:00	84-66-2	
2,4-Dimethylphenol	ND	ug/L	549	500	03/26/13 08:30	03/28/13 19:12	105-67-9	
Dimethylphthalate	ND	ug/L	11.0	10	03/26/13 08:30	03/27/13 16:00	131-11-3	
Di-n-butylphthalate	ND	ug/L	11.0	10	03/26/13 08:30	03/27/13 16:00	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	27.5	10	03/26/13 08:30	03/27/13 16:00	534-52-1	
2,4-Dinitrophenol	ND	ug/L	27.5	10	03/26/13 08:30	03/27/13 16:00	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	11.0	10	03/26/13 08:30	03/27/13 16:00	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	11.0	10	03/26/13 08:30	03/27/13 16:00	606-20-2	
Di-n-octylphthalate	ND	ug/L	11.0	10	03/26/13 08:30	03/27/13 16:00	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	11.0	10	03/26/13 08:30	03/27/13 16:00	117-81-7	
Fluoranthene	ND	ug/L	11.0	10	03/26/13 08:30	03/27/13 16:00	206-44-0	
Fluorene	ND	ug/L	11.0	10	03/26/13 08:30	03/27/13 16:00	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	11.0	10	03/26/13 08:30	03/27/13 16:00	87-68-3	
Hexachlorobenzene	ND	ug/L	11.0	10	03/26/13 08:30	03/27/13 16:00	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	11.0	10	03/26/13 08:30	03/27/13 16:00	77-47-4	
Hexachloroethane	ND	ug/L	11.0	10	03/26/13 08:30	03/27/13 16:00	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	11.0	10	03/26/13 08:30	03/27/13 16:00	193-39-5	
Isophorone	ND	ug/L	11.0	10	03/26/13 08:30	03/27/13 16:00	78-59-1	
1-Methylnaphthalene	64.3	ug/L	11.0	10	03/26/13 08:30	03/27/13 16:00	90-12-0	N2
2-Methylnaphthalene	60.3	ug/L	11.0	10	03/26/13 08:30	03/27/13 16:00	91-57-6	
2-Methylphenol(o-Cresol)	928	ug/L	549	500	03/26/13 08:30	03/28/13 19:12	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	1100	500	03/26/13 08:30	03/28/13 19:12		
Naphthalene	2580	ug/L	549	500	03/26/13 08:30	03/28/13 19:12	91-20-3	
2-Nitroaniline	ND	ug/L	27.5	10	03/26/13 08:30	03/27/13 16:00	88-74-4	
3-Nitroaniline	ND	ug/L	27.5	10	03/26/13 08:30	03/27/13 16:00	99-09-2	
4-Nitroaniline	ND	ug/L	27.5	10	03/26/13 08:30	03/27/13 16:00	100-01-6	
Nitrobenzene	ND	ug/L	11.0	10	03/26/13 08:30	03/27/13 16:00	98-95-3	
2-Nitrophenol	ND	ug/L	11.0	10	03/26/13 08:30	03/27/13 16:00	88-75-5	
4-Nitrophenol	ND	ug/L	11.0	10	03/26/13 08:30	03/27/13 16:00	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	11.0	10	03/26/13 08:30	03/27/13 16:00	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	11.0	10	03/26/13 08:30	03/27/13 16:00	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	11.0	10	03/26/13 08:30	03/27/13 16:00	86-30-6	
Pentachlorophenol	ND	ug/L	27.5	10	03/26/13 08:30	03/27/13 16:00	87-86-5	

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ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-18 (-3)	Lab ID: 3090074005	Collected: 03/21/13 10:43	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic								
Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Phenanthrene	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	85-01-8	
Phenol	ND ug/L		549	500	03/26/13 08:30	03/28/13 19:12	108-95-2	
Pyrene	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	129-00-0	
1,2,4-Trichlorobenzene	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	120-82-1	
2,4,5-Trichlorophenol	ND ug/L		27.5	10	03/26/13 08:30	03/27/13 16:00	95-95-4	
2,4,6-Trichlorophenol	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	193 %		35-114	10	03/26/13 08:30	03/27/13 16:00	4165-60-0	S4
2-Fluorobiphenyl (S)	77 %		43-116	10	03/26/13 08:30	03/27/13 16:00	321-60-8	
Terphenyl-d14 (S)	109 %		33-141	10	03/26/13 08:30	03/27/13 16:00	1718-51-0	
Phenol-d6 (S)	29 %		10-110	10	03/26/13 08:30	03/27/13 16:00	13127-88-3	
2-Fluorophenol (S)	51 %		21-110	10	03/26/13 08:30	03/27/13 16:00	367-12-4	
2,4,6-Tribromophenol (S)	76 %		10-123	10	03/26/13 08:30	03/27/13 16:00	118-79-6	
8260 MSV								
Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 20:26	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/27/13 20:26	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 20:26	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/27/13 20:26	79-00-5	
1,1-Dichloroethane	38.2 ug/L		1.0	1		03/27/13 20:26	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/27/13 20:26	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/27/13 20:26	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/27/13 20:26	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/27/13 20:26	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 20:26	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/27/13 20:26	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/27/13 20:26	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 20:26	106-46-7	
2-Butanone (MEK)	ND ug/L		5.0	1		03/27/13 20:26	78-93-3	
2-Hexanone	6.3 ug/L		5.0	1		03/27/13 20:26	591-78-6	
4-Methyl-2-pentanone (MIBK)	9.9 ug/L		5.0	1		03/27/13 20:26	108-10-1	
Acetone	9.3 ug/L		5.0	1		03/27/13 20:26	67-64-1	
Acrylonitrile	ND ug/L		2.0	1		03/27/13 20:26	107-13-1	
Benzene	976 ug/L		10.0	10		03/28/13 08:12	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		03/27/13 20:26	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		03/27/13 20:26	75-27-4	
Bromoform	ND ug/L		1.0	1		03/27/13 20:26	75-25-2	
Bromomethane	ND ug/L		1.0	1		03/27/13 20:26	74-83-9	
Carbon disulfide	ND ug/L		1.0	1		03/27/13 20:26	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		03/27/13 20:26	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		03/27/13 20:26	108-90-7	
Chloroethane	ND ug/L		1.0	1		03/27/13 20:26	75-00-3	
Chloroform	ND ug/L		1.0	1		03/27/13 20:26	67-66-3	
Chloromethane	ND ug/L		1.0	1		03/27/13 20:26	74-87-3	
Dibromochloromethane	ND ug/L		1.0	1		03/27/13 20:26	124-48-1	
Dibromomethane	ND ug/L		1.0	1		03/27/13 20:26	74-95-3	
Ethylbenzene	11.0 ug/L		1.0	1		03/27/13 20:26	100-41-4	

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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-18 (-3)		Lab ID: 3090074005	Collected: 03/21/13 10:43	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Iodomethane	ND	ug/L	1.0	1		03/27/13 20:26	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/27/13 20:26	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/27/13 20:26	75-09-2	
Styrene	9.0	ug/L	1.0	1		03/27/13 20:26	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/27/13 20:26	127-18-4	
Toluene	395	ug/L	1.0	1		03/27/13 20:26	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/27/13 20:26	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/27/13 20:26	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/27/13 20:26	108-05-4	
Vinyl chloride	8.1	ug/L	1.0	1		03/27/13 20:26	75-01-4	
Xylene (Total)	172	ug/L	1.0	1		03/27/13 20:26	1330-20-7	
cis-1,2-Dichloroethene	5.0	ug/L	1.0	1		03/27/13 20:26	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 20:26	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/27/13 20:26	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 20:26	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/27/13 20:26	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	98 %		85-115	1		03/27/13 20:26	460-00-4	
1,2-Dichloroethane-d4 (S)	89 %		77-119	1		03/27/13 20:26	17060-07-0	
Toluene-d8 (S)	98 %		85-115	1		03/27/13 20:26	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	1.2	NTU	0.20	2		03/22/13 18:39		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	200	mg/L	10.0	1		03/28/13 13:30		
2540C Total Dissolved Solids		Analytical Method: SM 2540C						
Total Dissolved Solids	1700	mg/L	10.0	1		03/25/13 14:50		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	10.8	Std. Units	0.10	1		03/22/13 17:16		H6
9050 Specific Conductance		Analytical Method: EPA 9050						
Specific Conductance	2470	umhos/cm	1.0	1		03/28/13 16:20		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	85.0	mg/L	2.0	20		03/28/13 09:59	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	262	mg/L	10.0	1		03/28/13 11:30		
4500 Chloride		Analytical Method: SM 4500-Cl-E						
Chloride	354	mg/L	30.0	10		03/26/13 15:45	16887-00-6	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-18 (-3)		Lab ID: 3090074005	Collected: 03/21/13 10:43	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	1400	mg/L	19.0	50		03/28/13 13:07	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	ND	mg/L	0.010	1		03/22/13 20:46	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	ND	mg/L	0.060	1		03/28/13 07:36	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-18 (-33)	Lab ID: 3090074006	Collected: 03/21/13 10:46	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)		Analytical Method: SM 2340B						
Total Hardness	631 mg/L		2.1	1		03/27/13 09:44		
		Analytical Method: EPA 6010B Preparation Method: EPA 3005						
Calcium	76200 ug/L		1000	1	03/25/13 14:21	03/27/13 09:44	7440-70-2	
Magnesium	107000 ug/L		200	1	03/25/13 14:21	03/27/13 09:44	7439-95-4	
6020 MET ICPMS		Analytical Method: EPA 6020 Preparation Method: EPA 3020						
Antimony	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 18:36	7440-36-0	D3
Arsenic	0.0039 mg/L		0.0025	5	03/24/13 07:10	03/28/13 18:36	7440-38-2	
Barium	0.93 mg/L		0.0015	5	03/24/13 07:10	03/28/13 18:36	7440-39-3	
Beryllium	ND mg/L		0.0010	5	03/24/13 07:10	03/28/13 18:36	7440-41-7	D3
Cadmium	0.00047 mg/L		0.00040	5	03/24/13 07:10	03/28/13 18:36	7440-43-9	
Calcium	77.7 mg/L		0.10	5	03/24/13 07:10	03/28/13 18:36	7440-70-2	
Chromium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 18:36	7440-47-3	D3
Cobalt	0.021 mg/L		0.0025	5	03/24/13 07:10	03/28/13 18:36	7440-48-4	
Copper	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 18:36	7440-50-8	D3
Iron	301 mg/L		2.5	50	03/24/13 07:10	03/28/13 18:40	7439-89-6	
Lead	0.00086 mg/L		0.00050	5	03/24/13 07:10	03/28/13 18:36	7439-92-1	
Magnesium	104 mg/L		0.025	5	03/24/13 07:10	03/28/13 18:36	7439-95-4	
Manganese	9.7 mg/L		0.025	50	03/24/13 07:10	03/28/13 18:40	7439-96-5	
Nickel	0.0071 mg/L		0.0025	5	03/24/13 07:10	03/28/13 18:36	7440-02-0	
Potassium	6.3 mg/L		0.10	5	03/24/13 07:10	03/28/13 18:36	7440-09-7	
Selenium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 18:36	7782-49-2	D3
Silver	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 18:36	7440-22-4	D3
Sodium	588 mg/L		2.5	50	03/24/13 07:10	03/28/13 18:40	7440-23-5	
Thallium	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 18:36	7440-28-0	D3
Vanadium	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 18:36	7440-62-2	D3
Zinc	ND mg/L		0.025	5	03/24/13 07:10	03/28/13 18:36	7440-66-6	
8260 MSV		Analytical Method: EPA 8260						
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 19:13	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/27/13 19:13	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 19:13	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/27/13 19:13	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/27/13 19:13	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/27/13 19:13	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/27/13 19:13	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/27/13 19:13	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/27/13 19:13	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 19:13	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/27/13 19:13	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/27/13 19:13	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 19:13	106-46-7	
2-Butanone (MEK)	ND ug/L		5.0	1		03/27/13 19:13	78-93-3	
2-Hexanone	ND ug/L		5.0	1		03/27/13 19:13	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		03/27/13 19:13	108-10-1	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-18 (-33)		Lab ID: 3090074006	Collected: 03/21/13 10:46	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	5.0	1		03/27/13 19:13	67-64-1	
Acrylonitrile	ND	ug/L	2.0	1		03/27/13 19:13	107-13-1	
Benzene	ND	ug/L	1.0	1		03/27/13 19:13	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/27/13 19:13	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/27/13 19:13	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/27/13 19:13	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/27/13 19:13	74-83-9	
Carbon disulfide	2.0	ug/L	1.0	1		03/27/13 19:13	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/27/13 19:13	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/27/13 19:13	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/27/13 19:13	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/27/13 19:13	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/27/13 19:13	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/27/13 19:13	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/27/13 19:13	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/27/13 19:13	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/27/13 19:13	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/27/13 19:13	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/27/13 19:13	75-09-2	
Styrene	ND	ug/L	1.0	1		03/27/13 19:13	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/27/13 19:13	127-18-4	
Toluene	ND	ug/L	1.0	1		03/27/13 19:13	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/27/13 19:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/27/13 19:13	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/27/13 19:13	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/27/13 19:13	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/27/13 19:13	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/27/13 19:13	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 19:13	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/27/13 19:13	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 19:13	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/27/13 19:13	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	100 %		85-115	1		03/27/13 19:13	460-00-4	
1,2-Dichloroethane-d4 (S)	90 %		77-119	1		03/27/13 19:13	17060-07-0	
Toluene-d8 (S)	98 %		85-115	1		03/27/13 19:13	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	0.34	NTU	0.10	1		03/22/13 18:39		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	ND	mg/L	1.0	1		03/28/13 13:30		
2540C Total Dissolved Solids		Analytical Method: SM 2540C						
Total Dissolved Solids	2790	mg/L	10.0	1		03/25/13 14:50		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-18 (-33)		Lab ID: 3090074006	Collected: 03/21/13 10:46	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	2.4	Std. Units	0.10	1		03/22/13 17:16		H6
9050 Specific Conductance		Analytical Method: EPA 9050						
Specific Conductance	6830	umhos/cm	1.0	1		03/28/13 16:20		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	3.4	mg/L	0.10	1		03/28/13 09:59	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	140	mg/L	10.0	1		03/28/13 11:30		
4500 Chloride		Analytical Method: SM 4500-Cl-E						
Chloride	1940	mg/L	150	50		03/26/13 15:07	16887-00-6	
ASTM D516-9002 Sulfate Water		Analytical Method: ASTM D516-90,02						
Sulfate	22.5	mg/L	0.38	1		03/28/13 12:34	14808-79-8	
SM4500NO2-B, Nitrite, unpres		Analytical Method: SM 4500-NO2 B						
Nitrite as N	ND	mg/L	0.010	1		03/22/13 20:47	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd		Analytical Method: SM 4500-NO3 F						
Nitrate as N	ND	mg/L	0.060	1		03/28/13 07:36	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-20 (-5)	Lab ID: 3090074007	Collected: 03/21/13 11:42	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)	Analytical Method: SM 2340B							
Total Hardness	60.4 mg/L		2.1	1		03/27/13 09:47		
	Analytical Method: EPA 6010B Preparation Method: EPA 3005							
Calcium	8770 ug/L		1000	1	03/25/13 14:21	03/27/13 09:47	7440-70-2	
Magnesium	9360 ug/L		200	1	03/25/13 14:21	03/27/13 09:47	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 18:44	7440-36-0	D3
Arsenic	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 18:44	7440-38-2	D3
Barium	0.063 mg/L		0.0015	5	03/24/13 07:10	03/28/13 18:44	7440-39-3	
Beryllium	ND mg/L		0.0010	5	03/24/13 07:10	03/28/13 18:44	7440-41-7	D3
Cadmium	ND mg/L		0.00040	5	03/24/13 07:10	03/28/13 18:44	7440-43-9	D3
Calcium	8.6 mg/L		0.10	5	03/24/13 07:10	03/28/13 18:44	7440-70-2	
Chromium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 18:44	7440-47-3	D3
Cobalt	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 18:44	7440-48-4	D3
Copper	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 18:44	7440-50-8	D3
Iron	ND mg/L		0.25	5	03/24/13 07:10	03/28/13 18:44	7439-89-6	D3
Lead	0.0023 mg/L		0.00050	5	03/24/13 07:10	03/28/13 18:44	7439-92-1	
Magnesium	9.2 mg/L		0.025	5	03/24/13 07:10	03/28/13 18:44	7439-95-4	
Manganese	0.0082 mg/L		0.0025	5	03/24/13 07:10	03/28/13 18:44	7439-96-5	
Nickel	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 18:44	7440-02-0	D3
Potassium	32.0 mg/L		0.10	5	03/24/13 07:10	03/28/13 18:44	7440-09-7	
Selenium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 18:44	7782-49-2	D3
Silver	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 18:44	7440-22-4	D3
Sodium	49.3 mg/L		0.25	5	03/24/13 07:10	03/28/13 18:44	7440-23-5	
Thallium	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 18:44	7440-28-0	D3
Vanadium	0.0063 mg/L		0.00050	5	03/24/13 07:10	03/28/13 18:44	7440-62-2	
Zinc	0.029 mg/L		0.025	5	03/24/13 07:10	03/28/13 18:44	7440-66-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	83-32-9	
Acenaphthylene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	208-96-8	
Anthracene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	120-12-7	
Azobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	103-33-3	N2
Benzo(a)anthracene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	56-55-3	
Benzo(a)pyrene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	50-32-8	
Benzo(b)fluoranthene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	191-24-2	
Benzo(k)fluoranthene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	207-08-9	
Benzoic acid	ND ug/L		110	1	03/26/13 08:30	03/27/13 16:23	65-85-0	
Benzyl alcohol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	100-51-6	
4-Bromophenylphenyl ether	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	101-55-3	
Butylbenzylphthalate	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	85-68-7	
Carbazole	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	86-74-8	
4-Chloro-3-methylphenol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	59-50-7	
4-Chloroaniline	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	106-47-8	

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ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-20 (-5)	Lab ID: 3090074007	Collected: 03/21/13 11:42	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic								
Analytical Method: EPA 8270 Preparation Method: EPA 3510								
bis(2-Chloroethoxy)methane	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	111-91-1	
bis(2-Chloroethyl) ether	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	108-60-1	
2-Chloronaphthalene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	91-58-7	
2-Chlorophenol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	95-57-8	
4-Chlorophenylphenyl ether	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	7005-72-3	
Chrysene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	53-70-3	
Dibenzofuran	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	132-64-9	
1,2-Dichlorobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	106-46-7	
3,3'-Dichlorobenzidine	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	91-94-1	
2,4-Dichlorophenol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	120-83-2	
Diethylphthalate	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	84-66-2	
2,4-Dimethylphenol	39.2 ug/L		11.0	10	03/26/13 08:30	03/28/13 19:34	105-67-9	
Dimethylphthalate	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	131-11-3	
Di-n-butylphthalate	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/L		2.7	1	03/26/13 08:30	03/27/13 16:23	534-52-1	
2,4-Dinitrophenol	ND ug/L		2.7	1	03/26/13 08:30	03/27/13 16:23	51-28-5	
2,4-Dinitrotoluene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	121-14-2	
2,6-Dinitrotoluene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	606-20-2	
Di-n-octylphthalate	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	117-81-7	
Fluoranthene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	206-44-0	
Fluorene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	86-73-7	
Hexachloro-1,3-butadiene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	87-68-3	
Hexachlorobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	118-74-1	
Hexachlorocyclopentadiene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	77-47-4	
Hexachloroethane	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	193-39-5	
Isophorone	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	78-59-1	
1-Methylnaphthalene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	90-12-0	N2
2-Methylnaphthalene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	91-57-6	
2-Methylphenol(o-Cresol)	6.4 ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	95-48-7	
3&4-Methylphenol(m&p Cresol)	2.6 ug/L		2.2	1	03/26/13 08:30	03/27/13 16:23		
Naphthalene	6.3 ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	91-20-3	
2-Nitroaniline	ND ug/L		2.7	1	03/26/13 08:30	03/27/13 16:23	88-74-4	
3-Nitroaniline	ND ug/L		2.7	1	03/26/13 08:30	03/27/13 16:23	99-09-2	
4-Nitroaniline	ND ug/L		2.7	1	03/26/13 08:30	03/27/13 16:23	100-01-6	
Nitrobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	98-95-3	
2-Nitrophenol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	88-75-5	
4-Nitrophenol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	100-02-7	
N-Nitrosodimethylamine	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	621-64-7	
N-Nitrosodiphenylamine	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	86-30-6	
Pentachlorophenol	ND ug/L		2.7	1	03/26/13 08:30	03/27/13 16:23	87-86-5	

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ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-20 (-5)	Lab ID: 3090074007	Collected: 03/21/13 11:42	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic								
Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Phenanthrene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	85-01-8	
Phenol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	108-95-2	
Pyrene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	129-00-0	
1,2,4-Trichlorobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	120-82-1	
2,4,5-Trichlorophenol	ND ug/L		2.7	1	03/26/13 08:30	03/27/13 16:23	95-95-4	
2,4,6-Trichlorophenol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	51 %		35-114	1	03/26/13 08:30	03/27/13 16:23	4165-60-0	
2-Fluorobiphenyl (S)	43 %		43-116	1	03/26/13 08:30	03/27/13 16:23	321-60-8	
Terphenyl-d14 (S)	81 %		33-141	1	03/26/13 08:30	03/27/13 16:23	1718-51-0	
Phenol-d6 (S)	15 %		10-110	1	03/26/13 08:30	03/27/13 16:23	13127-88-3	
2-Fluorophenol (S)	22 %		21-110	1	03/26/13 08:30	03/27/13 16:23	367-12-4	
2,4,6-Tribromophenol (S)	75 %		10-123	1	03/26/13 08:30	03/27/13 16:23	118-79-6	
8260 MSV								
Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 19:38	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/27/13 19:38	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 19:38	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/27/13 19:38	79-00-5	
1,1-Dichloroethane	2.4 ug/L		1.0	1		03/27/13 19:38	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/27/13 19:38	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/27/13 19:38	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/27/13 19:38	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/27/13 19:38	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 19:38	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/27/13 19:38	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/27/13 19:38	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 19:38	106-46-7	
2-Butanone (MEK)	ND ug/L		5.0	1		03/27/13 19:38	78-93-3	
2-Hexanone	ND ug/L		5.0	1		03/27/13 19:38	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		03/27/13 19:38	108-10-1	
Acetone	ND ug/L		5.0	1		03/27/13 19:38	67-64-1	
Acrylonitrile	ND ug/L		2.0	1		03/27/13 19:38	107-13-1	
Benzene	23.6 ug/L		1.0	1		03/27/13 19:38	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		03/27/13 19:38	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		03/27/13 19:38	75-27-4	
Bromoform	ND ug/L		1.0	1		03/27/13 19:38	75-25-2	
Bromomethane	ND ug/L		1.0	1		03/27/13 19:38	74-83-9	
Carbon disulfide	ND ug/L		1.0	1		03/27/13 19:38	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		03/27/13 19:38	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		03/27/13 19:38	108-90-7	
Chloroethane	ND ug/L		1.0	1		03/27/13 19:38	75-00-3	
Chloroform	ND ug/L		1.0	1		03/27/13 19:38	67-66-3	
Chloromethane	ND ug/L		1.0	1		03/27/13 19:38	74-87-3	
Dibromochloromethane	ND ug/L		1.0	1		03/27/13 19:38	124-48-1	
Dibromomethane	ND ug/L		1.0	1		03/27/13 19:38	74-95-3	
Ethylbenzene	ND ug/L		1.0	1		03/27/13 19:38	100-41-4	

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ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-20 (-5)	Lab ID: 3090074007	Collected: 03/21/13 11:42	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Iodomethane	ND ug/L		1.0	1		03/27/13 19:38	74-88-4	
Methyl-tert-butyl ether	ND ug/L		1.0	1		03/27/13 19:38	1634-04-4	
Methylene Chloride	ND ug/L		1.0	1		03/27/13 19:38	75-09-2	
Styrene	ND ug/L		1.0	1		03/27/13 19:38	100-42-5	
Tetrachloroethene	ND ug/L		1.0	1		03/27/13 19:38	127-18-4	
Toluene	ND ug/L		1.0	1		03/27/13 19:38	108-88-3	
Trichloroethene	ND ug/L		1.0	1		03/27/13 19:38	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		03/27/13 19:38	75-69-4	
Vinyl acetate	ND ug/L		1.0	1		03/27/13 19:38	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		03/27/13 19:38	75-01-4	
Xylene (Total)	2.1 ug/L		1.0	1		03/27/13 19:38	1330-20-7	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		03/27/13 19:38	156-59-2	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		03/27/13 19:38	10061-01-5	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		03/27/13 19:38	156-60-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		03/27/13 19:38	10061-02-6	
trans-1,4-Dichloro-2-butene	ND ug/L		1.0	1		03/27/13 19:38	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	99 %		85-115	1		03/27/13 19:38	460-00-4	
1,2-Dichloroethane-d4 (S)	94 %		77-119	1		03/27/13 19:38	17060-07-0	
Toluene-d8 (S)	99 %		85-115	1		03/27/13 19:38	2037-26-5	
180.1 Turbidity	Analytical Method: EPA 180.1							
Turbidity	3.6 NTU		0.10	1		03/22/13 18:39		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total as CaCO3	106 mg/L		10.0	1		03/28/13 13:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	288 mg/L		10.0	1		03/25/13 14:50		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	9.4 Std. Units		0.10	1		03/22/13 17:16		H6
9050 Specific Conductance	Analytical Method: EPA 9050							
Specific Conductance	525 umhos/cm		1.0	1		03/28/13 16:20		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	4.6 mg/L		0.10	1		03/28/13 09:59	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	50.8 mg/L		10.0	1		03/28/13 11:30		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	39.0 mg/L		3.0	1		03/26/13 15:07	16887-00-6	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-20 (-5)		Lab ID: 3090074007	Collected: 03/21/13 11:42	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	48.8	mg/L	0.38	1		03/28/13 12:35	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	ND	mg/L	0.010	1		03/22/13 20:47	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	ND	mg/L	0.060	1		03/28/13 07:36	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: TS-01 (-7)	Lab ID: 3090074008	Collected: 03/21/13 12:50	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)								
Analytical Method: SM 2340B								
Total Hardness	1240	mg/L	2.1	1		03/27/13 09:50		
Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Calcium	497000	ug/L	1000	1	03/25/13 14:21	03/27/13 09:50	7440-70-2	
Magnesium	ND	ug/L	200	1	03/25/13 14:21	03/27/13 09:50	7439-95-4	
6020 MET ICPMS								
Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Antimony	ND	mg/L	0.0025	5	03/24/13 07:10	03/28/13 18:57	7440-36-0	D3
Arsenic	0.0045	mg/L	0.0025	5	03/24/13 07:10	03/28/13 18:57	7440-38-2	
Barium	0.024	mg/L	0.0015	5	03/24/13 07:10	03/28/13 18:57	7440-39-3	
Beryllium	ND	mg/L	0.0010	5	03/24/13 07:10	03/28/13 18:57	7440-41-7	D3
Cadmium	ND	mg/L	0.00040	5	03/24/13 07:10	03/28/13 18:57	7440-43-9	D3
Calcium	541	mg/L	2.0	100	03/24/13 07:10	03/28/13 19:02	7440-70-2	
Chromium	ND	mg/L	0.0025	5	03/24/13 07:10	03/28/13 18:57	7440-47-3	D3
Cobalt	ND	mg/L	0.0025	5	03/24/13 07:10	03/28/13 18:57	7440-48-4	D3
Copper	ND	mg/L	0.0025	5	03/24/13 07:10	03/28/13 18:57	7440-50-8	D3
Iron	ND	mg/L	0.25	5	03/24/13 07:10	03/28/13 18:57	7439-89-6	D3
Lead	ND	mg/L	0.00050	5	03/24/13 07:10	03/28/13 18:57	7439-92-1	D3
Magnesium	0.091	mg/L	0.025	5	03/24/13 07:10	03/28/13 18:57	7439-95-4	
Manganese	ND	mg/L	0.0025	5	03/24/13 07:10	03/28/13 18:57	7439-96-5	D3
Nickel	ND	mg/L	0.0025	5	03/24/13 07:10	03/28/13 18:57	7440-02-0	D3
Potassium	540	mg/L	2.0	100	03/24/13 07:10	03/28/13 19:02	7440-09-7	
Selenium	ND	mg/L	0.0025	5	03/24/13 07:10	03/28/13 18:57	7782-49-2	D3
Silver	ND	mg/L	0.0025	5	03/24/13 07:10	03/28/13 18:57	7440-22-4	D3
Sodium	1630	mg/L	5.0	100	03/24/13 07:10	03/28/13 19:02	7440-23-5	
Thallium	ND	mg/L	0.00050	5	03/24/13 07:10	03/28/13 18:57	7440-28-0	D3
Vanadium	0.051	mg/L	0.00050	5	03/24/13 07:10	03/28/13 18:57	7440-62-2	
Zinc	ND	mg/L	0.025	5	03/24/13 07:10	03/28/13 18:57	7440-66-6	D3
8260 MSV								
Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/27/13 20:02	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/27/13 20:02	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/27/13 20:02	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/27/13 20:02	79-00-5	
1,1-Dichloroethane	3.1	ug/L	1.0	1		03/27/13 20:02	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		03/27/13 20:02	75-35-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/27/13 20:02	96-18-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		03/27/13 20:02	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/27/13 20:02	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/27/13 20:02	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/27/13 20:02	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/27/13 20:02	78-87-5	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/27/13 20:02	106-46-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/27/13 20:02	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		03/27/13 20:02	591-78-6	
4-Methyl-2-pentanone (MIBK)	5.3	ug/L	5.0	1		03/27/13 20:02	108-10-1	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: TS-01 (-7)		Lab ID: 3090074008	Collected: 03/21/13 12:50	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	5.0	1		03/27/13 20:02	67-64-1	
Acrylonitrile	ND	ug/L	2.0	1		03/27/13 20:02	107-13-1	
Benzene	16.0	ug/L	1.0	1		03/27/13 20:02	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/27/13 20:02	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/27/13 20:02	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/27/13 20:02	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/27/13 20:02	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		03/27/13 20:02	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/27/13 20:02	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/27/13 20:02	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/27/13 20:02	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/27/13 20:02	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/27/13 20:02	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/27/13 20:02	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/27/13 20:02	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/27/13 20:02	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/27/13 20:02	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/27/13 20:02	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/27/13 20:02	75-09-2	
Styrene	ND	ug/L	1.0	1		03/27/13 20:02	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/27/13 20:02	127-18-4	
Toluene	ND	ug/L	1.0	1		03/27/13 20:02	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/27/13 20:02	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/27/13 20:02	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/27/13 20:02	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/27/13 20:02	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/27/13 20:02	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/27/13 20:02	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 20:02	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/27/13 20:02	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 20:02	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/27/13 20:02	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	101	%	85-115	1		03/27/13 20:02	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	77-119	1		03/27/13 20:02	17060-07-0	
Toluene-d8 (S)	97	%	85-115	1		03/27/13 20:02	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	0.19	NTU	0.10	1		03/22/13 18:39		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	400	mg/L	10.0	1		03/28/13 13:30		
2540C Total Dissolved Solids		Analytical Method: SM 2540C						
Total Dissolved Solids	7120	mg/L	10.0	1		03/25/13 14:50		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: TS-01 (-7)		Lab ID: 3090074008	Collected: 03/21/13 12:50	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	11.6	Std. Units	0.10	1		03/22/13 17:16		H6
9050 Specific Conductance	Analytical Method: EPA 9050							
Specific Conductance	11100	umhos/cm	1.0	1		03/28/13 16:20		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	56.6	mg/L	1.0	10		03/28/13 09:59	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	190	mg/L	10.0	1		03/28/13 11:30		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	2460	mg/L	150	50		03/26/13 15:08	16887-00-6	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	2540	mg/L	19.0	50		03/28/13 12:37	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	ND	mg/L	0.010	1		03/22/13 20:49	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	0.074	mg/L	0.060	1		03/28/13 07:36	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-17 (-31)	Lab ID: 3090074009	Collected: 03/21/13 13:30	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)	Analytical Method: SM 2340B							
Total Hardness	652 mg/L		2.1	1		03/27/13 09:53		
	Analytical Method: EPA 6010B Preparation Method: EPA 3005							
Calcium	111000 ug/L		1000	1	03/25/13 14:21	03/27/13 09:53	7440-70-2	
Magnesium	91100 ug/L		200	1	03/25/13 14:21	03/27/13 09:53	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:06	7440-36-0	D3
Arsenic	0.0083 mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:06	7440-38-2	
Barium	0.13 mg/L		0.0015	5	03/24/13 07:10	03/28/13 19:06	7440-39-3	
Beryllium	ND mg/L		0.0010	5	03/24/13 07:10	03/28/13 19:06	7440-41-7	D3
Cadmium	ND mg/L		0.00040	5	03/24/13 07:10	03/28/13 19:06	7440-43-9	D3
Calcium	112 mg/L		0.10	5	03/24/13 07:10	03/28/13 19:06	7440-70-2	
Chromium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:06	7440-47-3	D3
Cobalt	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:06	7440-48-4	D3
Copper	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:06	7440-50-8	D3
Iron	1.0 mg/L		0.25	5	03/24/13 07:10	03/28/13 19:06	7439-89-6	
Lead	0.0019 mg/L		0.00050	5	03/24/13 07:10	03/28/13 19:06	7439-92-1	
Magnesium	87.9 mg/L		0.025	5	03/24/13 07:10	03/28/13 19:06	7439-95-4	
Manganese	0.29 mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:06	7439-96-5	
Nickel	0.0050 mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:06	7440-02-0	
Potassium	55.4 mg/L		0.10	5	03/24/13 07:10	03/28/13 19:06	7440-09-7	
Selenium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:06	7782-49-2	D3
Silver	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:06	7440-22-4	D3
Sodium	1130 mg/L		5.0	100	03/24/13 07:10	03/29/13 11:08	7440-23-5	
Thallium	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 19:06	7440-28-0	D3
Vanadium	0.0021 mg/L		0.00050	5	03/24/13 07:10	03/28/13 19:06	7440-62-2	D3
Zinc	ND mg/L		0.025	5	03/24/13 07:10	03/28/13 19:06	7440-66-6	D3
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	83-32-9	
Acenaphthylene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	208-96-8	
Anthracene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	120-12-7	
Azobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	103-33-3	N2
Benzo(a)anthracene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	56-55-3	
Benzo(a)pyrene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	50-32-8	
Benzo(b)fluoranthene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	191-24-2	
Benzo(k)fluoranthene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	207-08-9	
Benzoic acid	ND ug/L		109	1	03/26/13 08:30	03/27/13 16:45	65-85-0	
Benzyl alcohol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	100-51-6	
4-Bromophenylphenyl ether	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	101-55-3	
Butylbenzylphthalate	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	85-68-7	
Carbazole	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	86-74-8	
4-Chloro-3-methylphenol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	59-50-7	
4-Chloroaniline	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	106-47-8	

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ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-17 (-31)	Lab ID: 3090074009	Collected: 03/21/13 13:30	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic								
Analytical Method: EPA 8270 Preparation Method: EPA 3510								
bis(2-Chloroethoxy)methane	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	111-91-1	
bis(2-Chloroethyl) ether	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	108-60-1	
2-Chloronaphthalene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	91-58-7	
2-Chlorophenol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	95-57-8	
4-Chlorophenylphenyl ether	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	7005-72-3	
Chrysene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	53-70-3	
Dibenzofuran	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	132-64-9	
1,2-Dichlorobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	106-46-7	
3,3'-Dichlorobenzidine	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	91-94-1	
2,4-Dichlorophenol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	120-83-2	
Diethylphthalate	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	84-66-2	
2,4-Dimethylphenol	3.0 ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	105-67-9	
Dimethylphthalate	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	131-11-3	
Di-n-butylphthalate	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/L		2.7	1	03/26/13 08:30	03/27/13 16:45	534-52-1	
2,4-Dinitrophenol	ND ug/L		2.7	1	03/26/13 08:30	03/27/13 16:45	51-28-5	
2,4-Dinitrotoluene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	121-14-2	
2,6-Dinitrotoluene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	606-20-2	
Di-n-octylphthalate	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	117-81-7	
Fluoranthene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	206-44-0	
Fluorene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	86-73-7	
Hexachloro-1,3-butadiene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	87-68-3	
Hexachlorobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	118-74-1	
Hexachlorocyclopentadiene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	77-47-4	
Hexachloroethane	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	193-39-5	
Isophorone	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	78-59-1	
1-Methylnaphthalene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	90-12-0	N2
2-Methylnaphthalene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/L		2.2	1	03/26/13 08:30	03/27/13 16:45		
Naphthalene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	91-20-3	
2-Nitroaniline	ND ug/L		2.7	1	03/26/13 08:30	03/27/13 16:45	88-74-4	
3-Nitroaniline	ND ug/L		2.7	1	03/26/13 08:30	03/27/13 16:45	99-09-2	
4-Nitroaniline	ND ug/L		2.7	1	03/26/13 08:30	03/27/13 16:45	100-01-6	
Nitrobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	98-95-3	
2-Nitrophenol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	88-75-5	
4-Nitrophenol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	100-02-7	
N-Nitrosodimethylamine	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	621-64-7	
N-Nitrosodiphenylamine	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	86-30-6	
Pentachlorophenol	ND ug/L		2.7	1	03/26/13 08:30	03/27/13 16:45	87-86-5	

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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-17 (-31)	Lab ID: 3090074009	Collected: 03/21/13 13:30	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic								
Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Phenanthrene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	85-01-8	
Phenol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	108-95-2	
Pyrene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	129-00-0	
1,2,4-Trichlorobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	120-82-1	
2,4,5-Trichlorophenol	ND ug/L		2.7	1	03/26/13 08:30	03/27/13 16:45	95-95-4	
2,4,6-Trichlorophenol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	44 %		35-114	1	03/26/13 08:30	03/27/13 16:45	4165-60-0	
2-Fluorobiphenyl (S)	54 %		43-116	1	03/26/13 08:30	03/27/13 16:45	321-60-8	
Terphenyl-d14 (S)	78 %		33-141	1	03/26/13 08:30	03/27/13 16:45	1718-51-0	
Phenol-d6 (S)	19 %		10-110	1	03/26/13 08:30	03/27/13 16:45	13127-88-3	
2-Fluorophenol (S)	26 %		21-110	1	03/26/13 08:30	03/27/13 16:45	367-12-4	
2,4,6-Tribromophenol (S)	66 %		10-123	1	03/26/13 08:30	03/27/13 16:45	118-79-6	
8260 MSV								
Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/28/13 11:53	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/28/13 11:53	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/28/13 11:53	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/28/13 11:53	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/28/13 11:53	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/28/13 11:53	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/28/13 11:53	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/28/13 11:53	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/28/13 11:53	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/28/13 11:53	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/28/13 11:53	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/28/13 11:53	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/28/13 11:53	106-46-7	
2-Butanone (MEK)	ND ug/L		5.0	1		03/28/13 11:53	78-93-3	
2-Hexanone	ND ug/L		5.0	1		03/28/13 11:53	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		03/28/13 11:53	108-10-1	
Acetone	ND ug/L		5.0	1		03/28/13 11:53	67-64-1	
Acrylonitrile	ND ug/L		2.0	1		03/28/13 11:53	107-13-1	
Benzene	48.6 ug/L		1.0	1		03/28/13 11:53	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		03/28/13 11:53	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		03/28/13 11:53	75-27-4	
Bromoform	ND ug/L		1.0	1		03/28/13 11:53	75-25-2	
Bromomethane	ND ug/L		1.0	1		03/28/13 11:53	74-83-9	
Carbon disulfide	ND ug/L		1.0	1		03/28/13 11:53	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		03/28/13 11:53	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		03/28/13 11:53	108-90-7	
Chloroethane	ND ug/L		1.0	1		03/28/13 11:53	75-00-3	
Chloroform	ND ug/L		1.0	1		03/28/13 11:53	67-66-3	
Chloromethane	ND ug/L		1.0	1		03/28/13 11:53	74-87-3	
Dibromochloromethane	ND ug/L		1.0	1		03/28/13 11:53	124-48-1	
Dibromomethane	ND ug/L		1.0	1		03/28/13 11:53	74-95-3	
Ethylbenzene	ND ug/L		1.0	1		03/28/13 11:53	100-41-4	

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ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-17 (-31)		Lab ID: 3090074009	Collected: 03/21/13 13:30	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Iodomethane	ND	ug/L	1.0	1		03/28/13 11:53	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/28/13 11:53	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/28/13 11:53	75-09-2	
Styrene	ND	ug/L	1.0	1		03/28/13 11:53	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/28/13 11:53	127-18-4	
Toluene	ND	ug/L	1.0	1		03/28/13 11:53	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/28/13 11:53	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/28/13 11:53	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/28/13 11:53	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/28/13 11:53	75-01-4	
Xylene (Total)	20.4	ug/L	1.0	1		03/28/13 11:53	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/13 11:53	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/13 11:53	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/13 11:53	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/13 11:53	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/28/13 11:53	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	97 %		85-115	1		03/28/13 11:53	460-00-4	
1,2-Dichloroethane-d4 (S)	103 %		77-119	1		03/28/13 11:53	17060-07-0	
Toluene-d8 (S)	99 %		85-115	1		03/28/13 11:53	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	81.5	NTU	0.50	5		03/22/13 18:39		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	414	mg/L	10.0	1		03/28/13 13:30		
2540C Total Dissolved Solids		Analytical Method: SM 2540C						
Total Dissolved Solids	4030	mg/L	10.0	1		03/25/13 14:50		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	8.0	Std. Units	0.10	1		03/22/13 17:16		H6
9050 Specific Conductance		Analytical Method: EPA 9050						
Specific Conductance	7530	umhos/cm	1.0	1		03/29/13 13:30		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	46.3	mg/L	1.0	10		03/28/13 09:59	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	310	mg/L	10.0	1		03/28/13 11:30		
4500 Chloride		Analytical Method: SM 4500-Cl-E						
Chloride	2500	mg/L	150	50		03/26/13 15:09	16887-00-6	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-17 (-31)		Lab ID: 3090074009	Collected: 03/21/13 13:30	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	304	mg/L	3.8	10		03/28/13 12:37	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	0.037	mg/L	0.010	1		03/22/13 20:49	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	ND	mg/L	0.060	1		03/28/13 07:36	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-17 (-1)	Lab ID: 3090074010	Collected: 03/21/13 13:30	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)	Analytical Method: SM 2340B							
Total Hardness	556 mg/L		2.1	1		03/27/13 10:05		
	Analytical Method: EPA 6010B Preparation Method: EPA 3005							
Calcium	220000 ug/L		1000	1	03/25/13 14:21	03/27/13 10:05	7440-70-2	
Magnesium	1580 ug/L		200	1	03/25/13 14:21	03/27/13 10:05	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:14	7440-36-0	D3
Arsenic	0.016 mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:14	7440-38-2	
Barium	0.010 mg/L		0.0015	5	03/24/13 07:10	03/28/13 19:14	7440-39-3	
Beryllium	ND mg/L		0.0010	5	03/24/13 07:10	03/28/13 19:14	7440-41-7	D3
Cadmium	ND mg/L		0.00040	5	03/24/13 07:10	03/28/13 19:14	7440-43-9	D3
Calcium	228 mg/L		0.50	25	03/24/13 07:10	03/28/13 19:19	7440-70-2	
Chromium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:14	7440-47-3	D3
Cobalt	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:14	7440-48-4	D3
Copper	0.011 mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:14	7440-50-8	
Iron	0.65 mg/L		0.25	5	03/24/13 07:10	03/28/13 19:14	7439-89-6	
Lead	0.010 mg/L		0.00050	5	03/24/13 07:10	03/28/13 19:14	7439-92-1	
Magnesium	1.7 mg/L		0.025	5	03/24/13 07:10	03/28/13 19:14	7439-95-4	
Manganese	0.031 mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:14	7439-96-5	
Nickel	0.032 mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:14	7440-02-0	
Potassium	191 mg/L		0.50	25	03/24/13 07:10	03/28/13 19:19	7440-09-7	
Selenium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:14	7782-49-2	D3
Silver	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:14	7440-22-4	D3
Sodium	233 mg/L		1.2	25	03/24/13 07:10	03/28/13 19:19	7440-23-5	
Thallium	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 19:14	7440-28-0	D3
Vanadium	0.039 mg/L		0.00050	5	03/24/13 07:10	03/28/13 19:14	7440-62-2	
Zinc	0.029 mg/L		0.025	5	03/24/13 07:10	03/28/13 19:14	7440-66-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	83-32-9	
Acenaphthylene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	208-96-8	
Anthracene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	120-12-7	
Azobenzene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	103-33-3	N2
Benzo(a)anthracene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	56-55-3	
Benzo(a)pyrene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	50-32-8	
Benzo(b)fluoranthene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	191-24-2	
Benzo(k)fluoranthene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	207-08-9	
Benzoic acid	ND ug/L		1090	10	03/26/13 08:30	03/27/13 17:30	65-85-0	
Benzyl alcohol	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	100-51-6	
4-Bromophenylphenyl ether	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	101-55-3	
Butylbenzylphthalate	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	85-68-7	
Carbazole	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	86-74-8	
4-Chloro-3-methylphenol	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	59-50-7	
4-Chloroaniline	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	106-47-8	

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ANALYTICAL RESULTS

Project: Grey's Landfill

Sample Project No.: 3090074

Sample: GL-17 (-1)	Lab ID: 3090074010	Collected: 03/21/13 13:30	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic								
Analytical Method: EPA 8270 Preparation Method: EPA 3510								
bis(2-Chloroethoxy)methane	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	111-91-1	
bis(2-Chloroethyl) ether	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	108-60-1	
2-Chloronaphthalene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	91-58-7	
2-Chlorophenol	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	95-57-8	
4-Chlorophenylphenyl ether	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	7005-72-3	
Chrysene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	53-70-3	
Dibenzofuran	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	132-64-9	
1,2-Dichlorobenzene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	95-50-1	
1,3-Dichlorobenzene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	541-73-1	
1,4-Dichlorobenzene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	106-46-7	
3,3'-Dichlorobenzidine	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	91-94-1	
2,4-Dichlorophenol	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	120-83-2	
Diethylphthalate	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	84-66-2	
2,4-Dimethylphenol	360 ug/L		21.7	20	03/26/13 08:30	03/28/13 19:56	105-67-9	
Dimethylphthalate	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	131-11-3	
Di-n-butylphthalate	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/L		27.2	10	03/26/13 08:30	03/27/13 17:30	534-52-1	
2,4-Dinitrophenol	ND ug/L		27.2	10	03/26/13 08:30	03/27/13 17:30	51-28-5	
2,4-Dinitrotoluene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	121-14-2	
2,6-Dinitrotoluene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	606-20-2	
Di-n-octylphthalate	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	117-81-7	
Fluoranthene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	206-44-0	
Fluorene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	86-73-7	
Hexachloro-1,3-butadiene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	87-68-3	
Hexachlorobenzene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	118-74-1	
Hexachlorocyclopentadiene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	77-47-4	
Hexachloroethane	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	193-39-5	
Isophorone	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	78-59-1	
1-Methylnaphthalene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	90-12-0	N2
2-Methylnaphthalene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	91-57-6	
2-Methylphenol(o-Cresol)	17.7 ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	95-48-7	
3&4-Methylphenol(m&p Cresol)	244 ug/L		21.7	10	03/26/13 08:30	03/27/13 17:30		
Naphthalene	32.2 ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	91-20-3	
2-Nitroaniline	ND ug/L		27.2	10	03/26/13 08:30	03/27/13 17:30	88-74-4	
3-Nitroaniline	ND ug/L		27.2	10	03/26/13 08:30	03/27/13 17:30	99-09-2	
4-Nitroaniline	ND ug/L		27.2	10	03/26/13 08:30	03/27/13 17:30	100-01-6	
Nitrobenzene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	98-95-3	
2-Nitrophenol	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	88-75-5	
4-Nitrophenol	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	100-02-7	
N-Nitrosodimethylamine	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	621-64-7	
N-Nitrosodiphenylamine	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	86-30-6	
Pentachlorophenol	ND ug/L		27.2	10	03/26/13 08:30	03/27/13 17:30	87-86-5	

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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-17 (-1)	Lab ID: 3090074010	Collected: 03/21/13 13:30	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Phenanthrene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	85-01-8	
Phenol	119 ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	108-95-2	D3
Pyrene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	129-00-0	
1,2,4-Trichlorobenzene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	120-82-1	
2,4,5-Trichlorophenol	ND ug/L		27.2	10	03/26/13 08:30	03/27/13 17:30	95-95-4	
2,4,6-Trichlorophenol	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	170 %		35-114	10	03/26/13 08:30	03/27/13 17:30	4165-60-0	S4
2-Fluorobiphenyl (S)	67 %		43-116	10	03/26/13 08:30	03/27/13 17:30	321-60-8	
Terphenyl-d14 (S)	84 %		33-141	10	03/26/13 08:30	03/27/13 17:30	1718-51-0	
Phenol-d6 (S)	30 %		10-110	10	03/26/13 08:30	03/27/13 17:30	13127-88-3	
2-Fluorophenol (S)	27 %		21-110	10	03/26/13 08:30	03/27/13 17:30	367-12-4	
2,4,6-Tribromophenol (S)	79 %		10-123	10	03/26/13 08:30	03/27/13 17:30	118-79-6	
8260 MSV Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/28/13 12:46	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/28/13 12:46	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/28/13 12:46	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/28/13 12:46	79-00-5	
1,1-Dichloroethane	7.2 ug/L		1.0	1		03/28/13 12:46	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/28/13 12:46	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/28/13 12:46	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/28/13 12:46	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/28/13 12:46	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/28/13 12:46	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/28/13 12:46	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/28/13 12:46	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/28/13 12:46	106-46-7	
2-Butanone (MEK)	ND ug/L		5.0	1		03/28/13 12:46	78-93-3	
2-Hexanone	ND ug/L		5.0	1		03/28/13 12:46	591-78-6	
4-Methyl-2-pentanone (MIBK)	42.8 ug/L		5.0	1		03/28/13 12:46	108-10-1	
Acetone	9.0 ug/L		5.0	1		03/28/13 12:46	67-64-1	
Acrylonitrile	ND ug/L		2.0	1		03/28/13 12:46	107-13-1	
Benzene	8280 ug/L		100	100		03/28/13 16:18	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		03/28/13 12:46	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		03/28/13 12:46	75-27-4	
Bromoform	ND ug/L		1.0	1		03/28/13 12:46	75-25-2	
Bromomethane	ND ug/L		1.0	1		03/28/13 12:46	74-83-9	
Carbon disulfide	ND ug/L		1.0	1		03/28/13 12:46	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		03/28/13 12:46	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		03/28/13 12:46	108-90-7	
Chloroethane	ND ug/L		1.0	1		03/28/13 12:46	75-00-3	
Chloroform	ND ug/L		1.0	1		03/28/13 12:46	67-66-3	
Chloromethane	ND ug/L		1.0	1		03/28/13 12:46	74-87-3	
Dibromochloromethane	ND ug/L		1.0	1		03/28/13 12:46	124-48-1	
Dibromomethane	ND ug/L		1.0	1		03/28/13 12:46	74-95-3	
Ethylbenzene	2.1 ug/L		1.0	1		03/28/13 12:46	100-41-4	

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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-17 (-1)		Lab ID: 3090074010	Collected: 03/21/13 13:30	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Iodomethane	ND	ug/L	1.0	1		03/28/13 12:46	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/28/13 12:46	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/28/13 12:46	75-09-2	
Styrene	ND	ug/L	1.0	1		03/28/13 12:46	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/28/13 12:46	127-18-4	
Toluene	6.0	ug/L	1.0	1		03/28/13 12:46	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/28/13 12:46	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/28/13 12:46	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/28/13 12:46	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/28/13 12:46	75-01-4	
Xylene (Total)	9.8	ug/L	1.0	1		03/28/13 12:46	1330-20-7	
cis-1,2-Dichloroethene	1.2	ug/L	1.0	1		03/28/13 12:46	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/13 12:46	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/13 12:46	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/13 12:46	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/28/13 12:46	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	103	%	85-115	1		03/28/13 12:46	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	77-119	1		03/28/13 12:46	17060-07-0	
Toluene-d8 (S)	101	%	85-115	1		03/28/13 12:46	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	43.7	NTU	0.50	5		03/22/13 18:39		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	204	mg/L	10.0	1		03/28/13 13:30		
2540C Total Dissolved Solids		Analytical Method: SM 2540C						
Total Dissolved Solids	1950	mg/L	10.0	1		03/25/13 14:50		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	10.0	Std. Units	0.10	1		03/22/13 17:16		H6
9050 Specific Conductance		Analytical Method: EPA 9050						
Specific Conductance	3010	umhos/cm	1.0	1		03/29/13 13:30		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	161	mg/L	5.0	50		03/28/13 09:59	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	460	mg/L	10.0	1		03/28/13 11:30		
4500 Chloride		Analytical Method: SM 4500-Cl-E						
Chloride	121	mg/L	60.0	20		03/26/13 15:09	16887-00-6	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-17 (-1)		Lab ID: 3090074010	Collected: 03/21/13 13:30	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	970	mg/L	19.0	50		03/28/13 13:08	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	0.031	mg/L	0.010	1		03/22/13 20:50	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	ND	mg/L	0.060	1		03/28/13 07:36	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-02 (-29)	Lab ID: 3090074011	Collected: 03/21/13 14:28	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)	Analytical Method: SM 2340B							
Total Hardness	457 mg/L		2.1	1		03/27/13 10:08		
	Analytical Method: EPA 6010B Preparation Method: EPA 3005							
Calcium	46000 ug/L		1000	1	03/25/13 14:21	03/27/13 10:08	7440-70-2	
Magnesium	83200 ug/L		200	1	03/25/13 14:21	03/27/13 10:08	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:46	7440-36-0	D3
Arsenic	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:46	7440-38-2	D3
Barium	0.097 mg/L		0.0015	5	03/24/13 07:10	03/28/13 19:46	7440-39-3	
Beryllium	0.0020 mg/L		0.0010	5	03/24/13 07:10	03/28/13 19:46	7440-41-7	D3
Cadmium	ND mg/L		0.00040	5	03/24/13 07:10	03/28/13 19:46	7440-43-9	D3
Calcium	48.0 mg/L		0.10	5	03/24/13 07:10	03/28/13 19:46	7440-70-2	
Chromium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:46	7440-47-3	D3
Cobalt	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:46	7440-48-4	D3
Copper	0.0042 mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:46	7440-50-8	
Iron	85.1 mg/L		2.5	50	03/24/13 07:10	03/28/13 19:50	7439-89-6	
Lead	0.00056 mg/L		0.00050	5	03/24/13 07:10	03/28/13 19:46	7439-92-1	
Magnesium	82.6 mg/L		0.025	5	03/24/13 07:10	03/28/13 19:46	7439-95-4	
Manganese	3.0 mg/L		0.025	50	03/24/13 07:10	03/28/13 19:50	7439-96-5	
Nickel	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:46	7440-02-0	D3
Potassium	15.2 mg/L		0.10	5	03/24/13 07:10	03/28/13 19:46	7440-09-7	
Selenium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:46	7782-49-2	D3
Silver	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:46	7440-22-4	D3
Sodium	370 mg/L		2.5	50	03/24/13 07:10	03/28/13 19:50	7440-23-5	
Thallium	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 19:46	7440-28-0	D3
Vanadium	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 19:46	7440-62-2	D3
Zinc	0.032 mg/L		0.025	5	03/24/13 07:10	03/28/13 19:46	7440-66-6	
8260 MSV	Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/28/13 13:39	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/28/13 13:39	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/28/13 13:39	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/28/13 13:39	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/28/13 13:39	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/28/13 13:39	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/28/13 13:39	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/28/13 13:39	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/28/13 13:39	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/28/13 13:39	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/28/13 13:39	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/28/13 13:39	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/28/13 13:39	106-46-7	
2-Butanone (MEK)	ND ug/L		5.0	1		03/28/13 13:39	78-93-3	
2-Hexanone	ND ug/L		5.0	1		03/28/13 13:39	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		03/28/13 13:39	108-10-1	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-02 (-29)		Lab ID: 3090074011	Collected: 03/21/13 14:28	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	5.0	1		03/28/13 13:39	67-64-1	
Acrylonitrile	ND	ug/L	2.0	1		03/28/13 13:39	107-13-1	
Benzene	ND	ug/L	1.0	1		03/28/13 13:39	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/28/13 13:39	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/28/13 13:39	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/28/13 13:39	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/28/13 13:39	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		03/28/13 13:39	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/28/13 13:39	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/28/13 13:39	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/28/13 13:39	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/28/13 13:39	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/28/13 13:39	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/28/13 13:39	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/28/13 13:39	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/28/13 13:39	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/28/13 13:39	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/28/13 13:39	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/28/13 13:39	75-09-2	
Styrene	ND	ug/L	1.0	1		03/28/13 13:39	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/28/13 13:39	127-18-4	
Toluene	ND	ug/L	1.0	1		03/28/13 13:39	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/28/13 13:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/28/13 13:39	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/28/13 13:39	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/28/13 13:39	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/28/13 13:39	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/13 13:39	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/13 13:39	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/13 13:39	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/13 13:39	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/28/13 13:39	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	106	%	85-115	1		03/28/13 13:39	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	77-119	1		03/28/13 13:39	17060-07-0	
Toluene-d8 (S)	100	%	85-115	1		03/28/13 13:39	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	87.0	NTU	0.50	5		03/22/13 18:39		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	70.0	mg/L	10.0	1		03/28/13 13:30		
2540C Total Dissolved Solids		Analytical Method: SM 2540C						
Total Dissolved Solids	2730	mg/L	10.0	1		03/25/13 14:50		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-02 (-29)		Lab ID: 3090074011		Collected: 03/21/13 14:28	Received: 03/22/13 10:00	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	6.1	Std. Units	0.10	1		03/22/13 17:16		H6
9050 Specific Conductance		Analytical Method: EPA 9050						
Specific Conductance	5450	umhos/cm	1.0	1		03/29/13 13:30		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	2.9	mg/L	0.10	1		03/28/13 09:59	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	112	mg/L	10.0	1		03/28/13 11:30		
4500 Chloride		Analytical Method: SM 4500-Cl-E						
Chloride	1850	mg/L	150	50		03/26/13 15:15	16887-00-6	
ASTM D516-9002 Sulfate Water		Analytical Method: ASTM D516-90,02						
Sulfate	135	mg/L	1.9	5		03/28/13 13:10	14808-79-8	
SM4500NO2-B, Nitrite, unpres		Analytical Method: SM 4500-NO2 B						
Nitrite as N	0.022	mg/L	0.010	1		03/22/13 20:50	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd		Analytical Method: SM 4500-NO3 F						
Nitrate as N	ND	mg/L	0.060	1		03/28/13 07:36	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-02 (-5)		Lab ID: 3090074012	Collected: 03/21/13 14:37	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/28/13 14:05	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/28/13 14:05	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/28/13 14:05	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/28/13 14:05	79-00-5	
1,1-Dichloroethane	11.1	ug/L	1.0	1		03/28/13 14:05	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		03/28/13 14:05	75-35-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/28/13 14:05	96-18-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		03/28/13 14:05	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/28/13 14:05	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/28/13 14:05	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/28/13 14:05	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/28/13 14:05	78-87-5	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/28/13 14:05	106-46-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/28/13 14:05	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		03/28/13 14:05	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/28/13 14:05	108-10-1	
Acetone	5.2	ug/L	5.0	1		03/28/13 14:05	67-64-1	
Acrylonitrile	ND	ug/L	2.0	1		03/28/13 14:05	107-13-1	
Benzene	9.9	ug/L	1.0	1		03/28/13 14:05	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/28/13 14:05	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/28/13 14:05	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/28/13 14:05	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/28/13 14:05	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		03/28/13 14:05	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/28/13 14:05	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/28/13 14:05	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/28/13 14:05	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/28/13 14:05	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/28/13 14:05	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/28/13 14:05	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/28/13 14:05	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/28/13 14:05	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/28/13 14:05	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/28/13 14:05	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/28/13 14:05	75-09-2	
Styrene	ND	ug/L	1.0	1		03/28/13 14:05	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/28/13 14:05	127-18-4	
Toluene	ND	ug/L	1.0	1		03/28/13 14:05	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/28/13 14:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/28/13 14:05	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/28/13 14:05	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/28/13 14:05	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/28/13 14:05	1330-20-7	
cis-1,2-Dichloroethene	3.2	ug/L	1.0	1		03/28/13 14:05	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/13 14:05	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/13 14:05	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/13 14:05	10061-02-6	

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ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-02 (-5)		Lab ID: 3090074012	Collected: 03/21/13 14:37	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/28/13 14:05	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	102 %		85-115	1		03/28/13 14:05	460-00-4	
1,2-Dichloroethane-d4 (S)	106 %		77-119	1		03/28/13 14:05	17060-07-0	
Toluene-d8 (S)	102 %		85-115	1		03/28/13 14:05	2037-26-5	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-16 (-6)	Lab ID: 3090074013	Collected: 03/21/13 15:23	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)	Analytical Method: SM 2340B							
Total Hardness	388	mg/L	2.1	1		03/27/13 10:21		
	Analytical Method: EPA 6010B Preparation Method: EPA 3005							
Calcium	22500	ug/L	1000	1	03/25/13 14:21	03/27/13 10:21	7440-70-2	
Magnesium	80700	ug/L	200	1	03/25/13 14:21	03/27/13 10:21	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony	ND	mg/L	0.0025	5	03/24/13 07:10	03/28/13 19:55	7440-36-0	D3
Arsenic	0.0046	mg/L	0.0025	5	03/24/13 07:10	03/28/13 19:55	7440-38-2	
Barium	0.019	mg/L	0.0015	5	03/24/13 07:10	03/28/13 19:55	7440-39-3	
Beryllium	0.0058	mg/L	0.0010	5	03/24/13 07:10	03/28/13 19:55	7440-41-7	
Cadmium	0.0017	mg/L	0.00040	5	03/24/13 07:10	03/28/13 19:55	7440-43-9	
Calcium	23.9	mg/L	0.10	5	03/24/13 07:10	03/28/13 19:55	7440-70-2	
Chromium	0.0027	mg/L	0.0025	5	03/24/13 07:10	03/28/13 19:55	7440-47-3	
Cobalt	0.27	mg/L	0.0025	5	03/24/13 07:10	03/28/13 19:55	7440-48-4	
Copper	0.020	mg/L	0.0025	5	03/24/13 07:10	03/28/13 19:55	7440-50-8	
Iron	17.7	mg/L	0.25	5	03/24/13 07:10	03/28/13 19:55	7439-89-6	
Lead	0.0048	mg/L	0.00050	5	03/24/13 07:10	03/28/13 19:55	7439-92-1	
Magnesium	82.8	mg/L	0.025	5	03/24/13 07:10	03/28/13 19:55	7439-95-4	
Manganese	0.68	mg/L	0.0025	5	03/24/13 07:10	03/28/13 19:55	7439-96-5	
Nickel	0.40	mg/L	0.0025	5	03/24/13 07:10	03/28/13 19:55	7440-02-0	
Potassium	1.1	mg/L	0.10	5	03/24/13 07:10	03/28/13 19:55	7440-09-7	
Selenium	0.0068	mg/L	0.0025	5	03/24/13 07:10	03/28/13 19:55	7782-49-2	
Silver	ND	mg/L	0.0025	5	03/24/13 07:10	03/28/13 19:55	7440-22-4	D3
Sodium	126	mg/L	1.2	25	03/24/13 07:10	03/28/13 19:59	7440-23-5	
Thallium	ND	mg/L	0.00050	5	03/24/13 07:10	03/28/13 19:55	7440-28-0	D3
Vanadium	0.0039	mg/L	0.00050	5	03/24/13 07:10	03/28/13 19:55	7440-62-2	
Zinc	0.75	mg/L	0.025	5	03/24/13 07:10	03/28/13 19:55	7440-66-6	
8260 MSV	Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/28/13 14:32	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/28/13 14:32	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/28/13 14:32	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/28/13 14:32	79-00-5	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/28/13 14:32	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		03/28/13 14:32	75-35-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/28/13 14:32	96-18-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		03/28/13 14:32	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/28/13 14:32	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/28/13 14:32	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/28/13 14:32	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/28/13 14:32	78-87-5	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/28/13 14:32	106-46-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/28/13 14:32	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		03/28/13 14:32	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/28/13 14:32	108-10-1	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-16 (-6)		Lab ID: 3090074013	Collected: 03/21/13 15:23	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	5.0	1		03/28/13 14:32	67-64-1	
Acrylonitrile	ND	ug/L	2.0	1		03/28/13 14:32	107-13-1	
Benzene	ND	ug/L	1.0	1		03/28/13 14:32	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/28/13 14:32	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/28/13 14:32	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/28/13 14:32	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/28/13 14:32	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		03/28/13 14:32	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/28/13 14:32	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/28/13 14:32	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/28/13 14:32	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/28/13 14:32	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/28/13 14:32	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/28/13 14:32	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/28/13 14:32	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/28/13 14:32	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/28/13 14:32	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/28/13 14:32	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/28/13 14:32	75-09-2	
Styrene	ND	ug/L	1.0	1		03/28/13 14:32	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/28/13 14:32	127-18-4	
Toluene	ND	ug/L	1.0	1		03/28/13 14:32	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/28/13 14:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/28/13 14:32	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/28/13 14:32	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/28/13 14:32	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/28/13 14:32	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/13 14:32	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/13 14:32	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/13 14:32	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/13 14:32	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/28/13 14:32	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	97 %		85-115	1		03/28/13 14:32	460-00-4	
1,2-Dichloroethane-d4 (S)	106 %		77-119	1		03/28/13 14:32	17060-07-0	
Toluene-d8 (S)	100 %		85-115	1		03/28/13 14:32	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	9.5	NTU	0.10	1		03/22/13 18:39		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	ND	mg/L	1.0	1		03/28/13 13:30		
2540C Total Dissolved Solids		Analytical Method: SM 2540C						
Total Dissolved Solids	1010	mg/L	10.0	1		03/25/13 14:50		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-16 (-6)		Lab ID: 3090074013	Collected: 03/21/13 15:23	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	4.2	Std. Units	0.10	1		03/22/13 17:16		H6
9050 Specific Conductance	Analytical Method: EPA 9050							
Specific Conductance	1550	umhos/cm	1.0	1		03/29/13 13:30		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		03/28/13 09:59	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	63.8	mg/L	10.0	1		03/28/13 11:30		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	178	mg/L	60.0	20		03/26/13 15:15	16887-00-6	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	474	mg/L	3.8	10		03/28/13 12:41	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	ND	mg/L	0.010	1		03/22/13 20:50	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	ND	mg/L	0.060	1		03/28/13 07:36	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-16 (-32)	Lab ID: 3090074014	Collected: 03/21/13 15:32	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)	Analytical Method: SM 2340B							
Total Hardness	1270	mg/L	2.1	1		03/27/13 10:24		
	Analytical Method: EPA 6010B Preparation Method: EPA 3005							
Calcium	139000	ug/L	1000	1	03/25/13 14:21	03/27/13 10:24	7440-70-2	
Magnesium	225000	ug/L	200	1	03/25/13 14:21	03/27/13 10:24	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony	ND	mg/L	0.0025	5	03/24/13 07:10	03/28/13 20:08	7440-36-0	D3
Arsenic	0.0075	mg/L	0.0025	5	03/24/13 07:10	03/28/13 20:08	7440-38-2	
Barium	0.22	mg/L	0.0015	5	03/24/13 07:10	03/28/13 20:08	7440-39-3	
Beryllium	ND	mg/L	0.0010	5	03/24/13 07:10	03/28/13 20:08	7440-41-7	D3
Cadmium	ND	mg/L	0.00040	5	03/24/13 07:10	03/28/13 20:08	7440-43-9	D3
Calcium	151	mg/L	2.0	100	03/24/13 07:10	03/28/13 20:12	7440-70-2	
Chromium	ND	mg/L	0.0025	5	03/24/13 07:10	03/28/13 20:08	7440-47-3	D3
Cobalt	ND	mg/L	0.0025	5	03/24/13 07:10	03/28/13 20:08	7440-48-4	D3
Copper	ND	mg/L	0.0025	5	03/24/13 07:10	03/28/13 20:08	7440-50-8	D3
Iron	16.2	mg/L	0.25	5	03/24/13 07:10	03/28/13 20:08	7439-89-6	
Lead	ND	mg/L	0.00050	5	03/24/13 07:10	03/28/13 20:08	7439-92-1	D3
Magnesium	228	mg/L	0.50	100	03/24/13 07:10	03/28/13 20:12	7439-95-4	
Manganese	0.40	mg/L	0.0025	5	03/24/13 07:10	03/28/13 20:08	7439-96-5	
Nickel	0.0047	mg/L	0.0025	5	03/24/13 07:10	03/28/13 20:08	7440-02-0	
Potassium	63.0	mg/L	0.10	5	03/24/13 07:10	03/28/13 20:08	7440-09-7	
Selenium	ND	mg/L	0.0025	5	03/24/13 07:10	03/28/13 20:08	7782-49-2	D3
Silver	ND	mg/L	0.0025	5	03/24/13 07:10	03/28/13 20:08	7440-22-4	D3
Sodium	2230	mg/L	5.0	100	03/24/13 07:10	03/28/13 20:12	7440-23-5	
Thallium	ND	mg/L	0.00050	5	03/24/13 07:10	03/28/13 20:08	7440-28-0	D3
Vanadium	ND	mg/L	0.00050	5	03/24/13 07:10	03/28/13 20:08	7440-62-2	D3
Zinc	ND	mg/L	0.025	5	03/24/13 07:10	03/28/13 20:08	7440-66-6	D3
8260 MSV	Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/28/13 14:58	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/28/13 14:58	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/28/13 14:58	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/28/13 14:58	79-00-5	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/28/13 14:58	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		03/28/13 14:58	75-35-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/28/13 14:58	96-18-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		03/28/13 14:58	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/28/13 14:58	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/28/13 14:58	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/28/13 14:58	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/28/13 14:58	78-87-5	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/28/13 14:58	106-46-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/28/13 14:58	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		03/28/13 14:58	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/28/13 14:58	108-10-1	

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ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-16 (-32)		Lab ID: 3090074014	Collected: 03/21/13 15:32	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	5.0	1		03/28/13 14:58	67-64-1	
Acrylonitrile	ND	ug/L	2.0	1		03/28/13 14:58	107-13-1	
Benzene	ND	ug/L	1.0	1		03/28/13 14:58	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/28/13 14:58	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/28/13 14:58	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/28/13 14:58	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/28/13 14:58	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		03/28/13 14:58	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/28/13 14:58	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/28/13 14:58	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/28/13 14:58	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/28/13 14:58	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/28/13 14:58	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/28/13 14:58	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/28/13 14:58	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/28/13 14:58	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/28/13 14:58	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/28/13 14:58	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/28/13 14:58	75-09-2	
Styrene	ND	ug/L	1.0	1		03/28/13 14:58	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/28/13 14:58	127-18-4	
Toluene	ND	ug/L	1.0	1		03/28/13 14:58	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/28/13 14:58	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/28/13 14:58	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/28/13 14:58	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/28/13 14:58	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/28/13 14:58	1330-20-7	
cis-1,2-Dichloroethene	6.2	ug/L	1.0	1		03/28/13 14:58	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/13 14:58	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/13 14:58	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/13 14:58	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/28/13 14:58	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	99 %		85-115	1		03/28/13 14:58	460-00-4	
1,2-Dichloroethane-d4 (S)	103 %		77-119	1		03/28/13 14:58	17060-07-0	
Toluene-d8 (S)	101 %		85-115	1		03/28/13 14:58	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	2.2	NTU	0.10	1		03/22/13 18:39		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	126	mg/L	10.0	1		03/28/13 13:30		
2540C Total Dissolved Solids		Analytical Method: SM 2540C						
Total Dissolved Solids	7360	mg/L	10.0	1		03/25/13 14:50		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-16 (-32)		Lab ID: 3090074014	Collected: 03/21/13 15:32	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	6.5	Std. Units	0.10	1		03/22/13 17:16		H6
9050 Specific Conductance	Analytical Method: EPA 9050							
Specific Conductance	13600	umhos/cm	1.0	1		03/29/13 13:30		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	3.3	mg/L	0.10	1		03/28/13 09:59	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	181	mg/L	10.0	1		03/28/13 11:30		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	4690	mg/L	300	100		03/26/13 15:45	16887-00-6	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	496	mg/L	7.6	20		03/28/13 12:41	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	ND	mg/L	0.010	1		03/22/13 20:51	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	ND	mg/L	0.060	1		03/28/13 07:36	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-05 (-25)	Lab ID: 3090074015	Collected: 03/21/13 16:08	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)		Analytical Method: SM 2340B						
Total Hardness	324 mg/L		2.1	1		03/27/13 10:26		
		Analytical Method: EPA 6010B Preparation Method: EPA 3005						
Calcium	33700 ug/L		1000	1	03/25/13 14:21	03/27/13 10:26	7440-70-2	
Magnesium	58200 ug/L		200	1	03/25/13 14:21	03/27/13 10:26	7439-95-4	
6020 MET ICPMS		Analytical Method: EPA 6020 Preparation Method: EPA 3020						
Antimony	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 20:16	7440-36-0	D3
Arsenic	0.0094 mg/L		0.0025	5	03/24/13 07:10	03/28/13 20:16	7440-38-2	
Barium	0.10 mg/L		0.0015	5	03/24/13 07:10	03/28/13 20:16	7440-39-3	
Beryllium	ND mg/L		0.0010	5	03/24/13 07:10	03/28/13 20:16	7440-41-7	D3
Cadmium	ND mg/L		0.00040	5	03/24/13 07:10	03/28/13 20:16	7440-43-9	D3
Calcium	34.7 mg/L		0.10	5	03/24/13 07:10	03/28/13 20:16	7440-70-2	
Chromium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 20:16	7440-47-3	D3
Cobalt	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 20:16	7440-48-4	D3
Copper	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 20:16	7440-50-8	D3
Iron	244 mg/L		5.0	100	03/24/13 07:10	03/28/13 20:21	7439-89-6	
Lead	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 20:16	7439-92-1	D3
Magnesium	58.8 mg/L		0.025	5	03/24/13 07:10	03/28/13 20:16	7439-95-4	
Manganese	5.1 mg/L		0.050	100	03/24/13 07:10	03/28/13 20:21	7439-96-5	
Nickel	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 20:16	7440-02-0	D3
Potassium	7.1 mg/L		0.10	5	03/24/13 07:10	03/28/13 20:16	7440-09-7	
Selenium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 20:16	7782-49-2	D3
Silver	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 20:16	7440-22-4	D3
Sodium	467 mg/L		5.0	100	03/24/13 07:10	03/28/13 20:21	7440-23-5	
Thallium	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 20:16	7440-28-0	D3
Vanadium	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 20:16	7440-62-2	D3
Zinc	ND mg/L		0.025	5	03/24/13 07:10	03/28/13 20:16	7440-66-6	D3
8260 MSV		Analytical Method: EPA 8260						
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/28/13 15:25	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/28/13 15:25	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/28/13 15:25	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/28/13 15:25	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/28/13 15:25	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/28/13 15:25	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/28/13 15:25	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/28/13 15:25	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/28/13 15:25	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/28/13 15:25	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/28/13 15:25	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/28/13 15:25	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/28/13 15:25	106-46-7	
2-Butanone (MEK)	ND ug/L		5.0	1		03/28/13 15:25	78-93-3	
2-Hexanone	ND ug/L		5.0	1		03/28/13 15:25	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		03/28/13 15:25	108-10-1	

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ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-05 (-25)		Lab ID: 3090074015	Collected: 03/21/13 16:08	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	5.0	1		03/28/13 15:25	67-64-1	
Acrylonitrile	ND	ug/L	2.0	1		03/28/13 15:25	107-13-1	
Benzene	ND	ug/L	1.0	1		03/28/13 15:25	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/28/13 15:25	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/28/13 15:25	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/28/13 15:25	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/28/13 15:25	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		03/28/13 15:25	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/28/13 15:25	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/28/13 15:25	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/28/13 15:25	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/28/13 15:25	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/28/13 15:25	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/28/13 15:25	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/28/13 15:25	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/28/13 15:25	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/28/13 15:25	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/28/13 15:25	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/28/13 15:25	75-09-2	
Styrene	ND	ug/L	1.0	1		03/28/13 15:25	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/28/13 15:25	127-18-4	
Toluene	ND	ug/L	1.0	1		03/28/13 15:25	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/28/13 15:25	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/28/13 15:25	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/28/13 15:25	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/28/13 15:25	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/28/13 15:25	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/13 15:25	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/13 15:25	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/13 15:25	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/13 15:25	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/28/13 15:25	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	100 %		85-115	1		03/28/13 15:25	460-00-4	
1,2-Dichloroethane-d4 (S)	108 %		77-119	1		03/28/13 15:25	17060-07-0	
Toluene-d8 (S)	96 %		85-115	1		03/28/13 15:25	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	97.5	NTU	0.50	5		03/22/13 18:39		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	10.0	mg/L	10.0	1		03/28/13 13:30		
2540C Total Dissolved Solids		Analytical Method: SM 2540C						
Total Dissolved Solids	2250	mg/L	10.0	1		03/25/13 14:50		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-05 (-25)		Lab ID: 3090074015		Collected: 03/21/13 16:08	Received: 03/22/13 10:00	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	6.0	Std. Units	0.10	1		03/22/13 17:16		H6
9050 Specific Conductance		Analytical Method: EPA 9050						
Specific Conductance	3820	umhos/cm	1.0	1		03/29/13 13:30		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	3.9	mg/L	0.10	1		03/28/13 09:59	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	264	mg/L	10.0	1		03/28/13 11:30		
4500 Chloride		Analytical Method: SM 4500-Cl-E						
Chloride	866	mg/L	150	50		03/26/13 15:17	16887-00-6	
ASTM D516-9002 Sulfate Water		Analytical Method: ASTM D516-90,02						
Sulfate	457	mg/L	7.6	20		03/28/13 12:42	14808-79-8	
SM4500NO2-B, Nitrite, unpres		Analytical Method: SM 4500-NO2 B						
Nitrite as N	0.026	mg/L	0.010	1		03/22/13 20:53	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd		Analytical Method: SM 4500-NO3 F						
Nitrate as N	ND	mg/L	0.060	1		03/28/13 07:36	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-05 (-7)	Lab ID: 3090074016	Collected: 03/21/13 16:21	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)		Analytical Method: SM 2340B						
Total Hardness	388	mg/L	2.1	1		03/27/13 10:32		
		Analytical Method: EPA 6010B Preparation Method: EPA 3005						
Calcium	40200	ug/L	1000	1	03/25/13 14:21	03/27/13 10:32	7440-70-2	
Magnesium	69900	ug/L	200	1	03/25/13 14:21	03/27/13 10:32	7439-95-4	
6020 MET ICPMS		Analytical Method: EPA 6020 Preparation Method: EPA 3020						
Antimony	ND	mg/L	0.0025	5	03/24/13 07:10	03/28/13 20:25	7440-36-0	D3
Arsenic	0.0029	mg/L	0.0025	5	03/24/13 07:10	03/28/13 20:25	7440-38-2	
Barium	0.020	mg/L	0.0015	5	03/24/13 07:10	03/28/13 20:25	7440-39-3	
Beryllium	ND	mg/L	0.0010	5	03/24/13 07:10	03/28/13 20:25	7440-41-7	D3
Cadmium	0.00068	mg/L	0.00040	5	03/24/13 07:10	03/28/13 20:25	7440-43-9	
Calcium	40.3	mg/L	0.10	5	03/24/13 07:10	03/28/13 20:25	7440-70-2	
Chromium	0.0026	mg/L	0.0025	5	03/24/13 07:10	03/28/13 20:25	7440-47-3	
Cobalt	0.19	mg/L	0.0025	5	03/24/13 07:10	03/28/13 20:25	7440-48-4	
Copper	ND	mg/L	0.0025	5	03/24/13 07:10	03/28/13 20:25	7440-50-8	D3
Iron	69.8	mg/L	0.25	5	03/24/13 07:10	03/28/13 20:25	7439-89-6	
Lead	0.0014	mg/L	0.00050	5	03/24/13 07:10	03/28/13 20:25	7439-92-1	
Magnesium	68.0	mg/L	0.025	5	03/24/13 07:10	03/28/13 20:25	7439-95-4	
Manganese	1.5	mg/L	0.0025	5	03/24/13 07:10	03/28/13 20:25	7439-96-5	
Nickel	0.24	mg/L	0.0025	5	03/24/13 07:10	03/28/13 20:25	7440-02-0	
Potassium	1.3	mg/L	0.10	5	03/24/13 07:10	03/28/13 20:25	7440-09-7	
Selenium	ND	mg/L	0.0025	5	03/24/13 07:10	03/28/13 20:25	7782-49-2	D3
Silver	ND	mg/L	0.0025	5	03/24/13 07:10	03/28/13 20:25	7440-22-4	D3
Sodium	111	mg/L	0.25	5	03/24/13 07:10	03/28/13 20:25	7440-23-5	
Thallium	ND	mg/L	0.00050	5	03/24/13 07:10	03/28/13 20:25	7440-28-0	D3
Vanadium	0.0023	mg/L	0.00050	5	03/24/13 07:10	03/28/13 20:25	7440-62-2	
Zinc	0.21	mg/L	0.025	5	03/24/13 07:10	03/28/13 20:25	7440-66-6	
8260 MSV		Analytical Method: EPA 8260						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/28/13 15:51	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/28/13 15:51	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/28/13 15:51	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/28/13 15:51	79-00-5	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/28/13 15:51	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		03/28/13 15:51	75-35-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/28/13 15:51	96-18-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		03/28/13 15:51	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/28/13 15:51	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/28/13 15:51	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/28/13 15:51	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/28/13 15:51	78-87-5	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/28/13 15:51	106-46-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/28/13 15:51	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		03/28/13 15:51	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/28/13 15:51	108-10-1	

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ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-05 (-7)		Lab ID: 3090074016	Collected: 03/21/13 16:21	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	5.0	1		03/28/13 15:51	67-64-1	
Acrylonitrile	ND	ug/L	2.0	1		03/28/13 15:51	107-13-1	
Benzene	ND	ug/L	1.0	1		03/28/13 15:51	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/28/13 15:51	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/28/13 15:51	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/28/13 15:51	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/28/13 15:51	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		03/28/13 15:51	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/28/13 15:51	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/28/13 15:51	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/28/13 15:51	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/28/13 15:51	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/28/13 15:51	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/28/13 15:51	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/28/13 15:51	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/28/13 15:51	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/28/13 15:51	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/28/13 15:51	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/28/13 15:51	75-09-2	
Styrene	ND	ug/L	1.0	1		03/28/13 15:51	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/28/13 15:51	127-18-4	
Toluene	ND	ug/L	1.0	1		03/28/13 15:51	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/28/13 15:51	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/28/13 15:51	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/28/13 15:51	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/28/13 15:51	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/28/13 15:51	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/13 15:51	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/13 15:51	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/13 15:51	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/13 15:51	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/28/13 15:51	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	105 %		85-115	1		03/28/13 15:51	460-00-4	
1,2-Dichloroethane-d4 (S)	104 %		77-119	1		03/28/13 15:51	17060-07-0	
Toluene-d8 (S)	103 %		85-115	1		03/28/13 15:51	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	25.9	NTU	0.10	1		03/22/13 18:39		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	42.0	mg/L	10.0	1		03/28/13 13:30		
2540C Total Dissolved Solids		Analytical Method: SM 2540C						
Total Dissolved Solids	1050	mg/L	10.0	1		03/25/13 14:50		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-05 (-7)		Lab ID: 3090074016	Collected: 03/21/13 16:21	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	5.5	Std. Units	0.10	1		03/22/13 17:16		H6
9050 Specific Conductance	Analytical Method: EPA 9050							
Specific Conductance	1530	umhos/cm	1.0	1		03/29/13 13:30		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	0.46	mg/L	0.10	1		03/28/13 09:59	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	46.4	mg/L	10.0	1		03/28/13 11:30		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	131	mg/L	60.0	20		03/26/13 15:17	16887-00-6	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	565	mg/L	7.6	20		03/28/13 12:43	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	0.022	mg/L	0.010	1		03/22/13 20:53	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	ND	mg/L	0.060	1		03/28/13 07:36	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-15 (-36)	Lab ID: 3090074017	Collected: 03/21/13 17:00	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.) Analytical Method: SM 2340B								
Total Hardness	1450	mg/L	2.1	1		03/27/13 10:35		
Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Calcium	32500	ug/L	1000	1	03/25/13 14:21	03/27/13 10:35	7440-70-2	
Magnesium	332000	ug/L	200	1	03/25/13 14:21	03/27/13 10:35	7439-95-4	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Antimony	ND	mg/L	0.0025	5	03/24/13 07:10	03/28/13 12:32	7440-36-0	D3
Arsenic	0.0051	mg/L	0.0025	5	03/24/13 07:10	03/28/13 12:32	7440-38-2	
Barium	0.021	mg/L	0.0015	5	03/24/13 07:10	03/28/13 12:32	7440-39-3	
Beryllium	ND	mg/L	0.0010	5	03/24/13 07:10	03/28/13 12:32	7440-41-7	D3
Cadmium	ND	mg/L	0.00040	5	03/24/13 07:10	03/28/13 12:32	7440-43-9	D3
Calcium	32.6	mg/L	0.10	5	03/24/13 07:10	03/28/13 12:32	7440-70-2	
Chromium	0.088	mg/L	0.0025	5	03/24/13 07:10	03/28/13 12:32	7440-47-3	
Cobalt	ND	mg/L	0.0025	5	03/24/13 07:10	03/28/13 12:32	7440-48-4	D3
Copper	0.0083	mg/L	0.0025	5	03/24/13 07:10	03/28/13 12:32	7440-50-8	
Iron	ND	mg/L	0.25	5	03/24/13 07:10	03/28/13 12:32	7439-89-6	D3
Lead	0.0025	mg/L	0.00050	5	03/24/13 07:10	03/28/13 12:32	7439-92-1	
Magnesium	315	mg/L	0.50	100	03/24/13 07:10	03/28/13 12:37	7439-95-4	
Manganese	0.0050	mg/L	0.0025	5	03/24/13 07:10	03/28/13 12:32	7439-96-5	
Nickel	0.0033	mg/L	0.0025	5	03/24/13 07:10	03/28/13 12:32	7440-02-0	
Potassium	95.0	mg/L	0.10	5	03/24/13 07:10	03/28/13 12:32	7440-09-7	
Selenium	0.029	mg/L	0.0025	5	03/24/13 07:10	03/28/13 12:32	7782-49-2	
Silver	ND	mg/L	0.0025	5	03/24/13 07:10	03/28/13 12:32	7440-22-4	D3
Sodium	32.4	mg/L	0.25	5	03/24/13 07:10	03/28/13 12:32	7440-23-5	
Thallium	ND	mg/L	0.00050	5	03/24/13 07:10	03/28/13 12:32	7440-28-0	D3
Vanadium	0.0024	mg/L	0.00050	5	03/24/13 07:10	03/28/13 12:32	7440-62-2	D3
Zinc	0.063	mg/L	0.025	5	03/24/13 07:10	03/28/13 12:32	7440-66-6	
8260 MSV Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/28/13 16:44	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/28/13 16:44	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/28/13 16:44	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/28/13 16:44	79-00-5	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/28/13 16:44	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		03/28/13 16:44	75-35-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/28/13 16:44	96-18-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		03/28/13 16:44	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/28/13 16:44	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/28/13 16:44	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/28/13 16:44	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/28/13 16:44	78-87-5	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/28/13 16:44	106-46-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/28/13 16:44	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		03/28/13 16:44	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/28/13 16:44	108-10-1	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-15 (-36)		Lab ID: 3090074017	Collected: 03/21/13 17:00	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	5.0	1		03/28/13 16:44	67-64-1	
Acrylonitrile	ND	ug/L	2.0	1		03/28/13 16:44	107-13-1	
Benzene	ND	ug/L	1.0	1		03/28/13 16:44	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/28/13 16:44	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/28/13 16:44	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/28/13 16:44	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/28/13 16:44	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		03/28/13 16:44	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/28/13 16:44	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/28/13 16:44	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/28/13 16:44	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/28/13 16:44	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/28/13 16:44	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/28/13 16:44	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/28/13 16:44	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/28/13 16:44	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/28/13 16:44	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/28/13 16:44	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/28/13 16:44	75-09-2	
Styrene	ND	ug/L	1.0	1		03/28/13 16:44	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/28/13 16:44	127-18-4	
Toluene	ND	ug/L	1.0	1		03/28/13 16:44	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/28/13 16:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/28/13 16:44	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/28/13 16:44	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/28/13 16:44	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/28/13 16:44	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/13 16:44	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/13 16:44	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/13 16:44	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/13 16:44	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/28/13 16:44	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	107 %		85-115	1		03/28/13 16:44	460-00-4	
1,2-Dichloroethane-d4 (S)	106 %		77-119	1		03/28/13 16:44	17060-07-0	
Toluene-d8 (S)	104 %		85-115	1		03/28/13 16:44	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	0.26	NTU	0.10	1		03/22/13 18:39		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	864	mg/L	10.0	1		03/28/13 13:30		
2540C Total Dissolved Solids		Analytical Method: SM 2540C						
Total Dissolved Solids	1630	mg/L	10.0	1		03/25/13 14:50		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-15 (-36)		Lab ID: 3090074017	Collected: 03/21/13 17:00	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	8.1	Std. Units	0.10	1		03/22/13 17:16		H6
9050 Specific Conductance	Analytical Method: EPA 9050							
Specific Conductance	2580	umhos/cm	1.0	1		03/29/13 13:30		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		03/28/13 09:59	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	31.2	mg/L	10.0	1		03/28/13 11:30		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	31.7	mg/L	3.0	1		03/28/13 13:46	16887-00-6	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	29.7	mg/L	0.38	1		03/28/13 12:44	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	0.11	mg/L	0.010	1		03/22/13 20:54	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	4.0	mg/L	0.060	1		03/28/13 07:36	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-15 (-6)	Lab ID: 3090074018	Collected: 03/21/13 17:03	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)	Analytical Method: SM 2340B							
Total Hardness	705 mg/L		2.1	1		03/27/13 10:38		
	Analytical Method: EPA 6010B Preparation Method: EPA 3005							
Calcium	282000 ug/L		1000	1	03/25/13 14:21	03/27/13 10:38	7440-70-2	
Magnesium	ND ug/L		200	1	03/25/13 14:21	03/27/13 10:38	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:41	7440-36-0	D3
Arsenic	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:41	7440-38-2	D3
Barium	0.38 mg/L		0.0015	5	03/24/13 07:10	03/28/13 12:41	7440-39-3	
Beryllium	ND mg/L		0.0010	5	03/24/13 07:10	03/28/13 12:41	7440-41-7	D3
Cadmium	ND mg/L		0.00040	5	03/24/13 07:10	03/28/13 12:41	7440-43-9	D3
Calcium	295 mg/L		2.0	100	03/24/13 07:10	03/28/13 12:46	7440-70-2	
Chromium	0.012 mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:41	7440-47-3	
Cobalt	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:41	7440-48-4	D3
Copper	0.0027 mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:41	7440-50-8	
Iron	ND mg/L		0.25	5	03/24/13 07:10	03/28/13 12:41	7439-89-6	D3
Lead	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 12:41	7439-92-1	D3
Magnesium	0.16 mg/L		0.025	5	03/24/13 07:10	03/28/13 12:41	7439-95-4	
Manganese	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:41	7439-96-5	D3
Nickel	0.0029 mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:41	7440-02-0	
Potassium	49.8 mg/L		0.10	5	03/24/13 07:10	03/28/13 12:41	7440-09-7	
Selenium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:41	7782-49-2	D3
Silver	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:41	7440-22-4	D3
Sodium	548 mg/L		5.0	100	03/24/13 07:10	03/28/13 12:46	7440-23-5	
Thallium	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 12:41	7440-28-0	D3
Vanadium	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 12:41	7440-62-2	D3
Zinc	ND mg/L		0.025	5	03/24/13 07:10	03/28/13 12:41	7440-66-6	D3
8260 MSV	Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/28/13 17:11	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/28/13 17:11	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/28/13 17:11	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/28/13 17:11	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/28/13 17:11	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/28/13 17:11	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/28/13 17:11	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/28/13 17:11	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/28/13 17:11	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/28/13 17:11	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/28/13 17:11	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/28/13 17:11	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/28/13 17:11	106-46-7	
2-Butanone (MEK)	ND ug/L		5.0	1		03/28/13 17:11	78-93-3	
2-Hexanone	ND ug/L		5.0	1		03/28/13 17:11	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		03/28/13 17:11	108-10-1	

Date: 04/01/2013 01:12 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-15 (-6)		Lab ID: 3090074018	Collected: 03/21/13 17:03	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	9.0 ug/L		5.0	1		03/28/13 17:11	67-64-1	
Acrylonitrile	ND ug/L		2.0	1		03/28/13 17:11	107-13-1	
Benzene	ND ug/L		1.0	1		03/28/13 17:11	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		03/28/13 17:11	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		03/28/13 17:11	75-27-4	
Bromoform	ND ug/L		1.0	1		03/28/13 17:11	75-25-2	
Bromomethane	ND ug/L		1.0	1		03/28/13 17:11	74-83-9	
Carbon disulfide	ND ug/L		1.0	1		03/28/13 17:11	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		03/28/13 17:11	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		03/28/13 17:11	108-90-7	
Chloroethane	ND ug/L		1.0	1		03/28/13 17:11	75-00-3	
Chloroform	ND ug/L		1.0	1		03/28/13 17:11	67-66-3	
Chloromethane	ND ug/L		1.0	1		03/28/13 17:11	74-87-3	
Dibromochloromethane	ND ug/L		1.0	1		03/28/13 17:11	124-48-1	
Dibromomethane	ND ug/L		1.0	1		03/28/13 17:11	74-95-3	
Ethylbenzene	ND ug/L		1.0	1		03/28/13 17:11	100-41-4	
Iodomethane	ND ug/L		1.0	1		03/28/13 17:11	74-88-4	
Methyl-tert-butyl ether	ND ug/L		1.0	1		03/28/13 17:11	1634-04-4	
Methylene Chloride	ND ug/L		1.0	1		03/28/13 17:11	75-09-2	
Styrene	ND ug/L		1.0	1		03/28/13 17:11	100-42-5	
Tetrachloroethene	ND ug/L		1.0	1		03/28/13 17:11	127-18-4	
Toluene	ND ug/L		1.0	1		03/28/13 17:11	108-88-3	
Trichloroethene	ND ug/L		1.0	1		03/28/13 17:11	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		03/28/13 17:11	75-69-4	
Vinyl acetate	ND ug/L		1.0	1		03/28/13 17:11	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		03/28/13 17:11	75-01-4	
Xylene (Total)	ND ug/L		1.0	1		03/28/13 17:11	1330-20-7	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		03/28/13 17:11	156-59-2	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		03/28/13 17:11	10061-01-5	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		03/28/13 17:11	156-60-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		03/28/13 17:11	10061-02-6	
trans-1,4-Dichloro-2-butene	ND ug/L		1.0	1		03/28/13 17:11	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	102 %		85-115	1		03/28/13 17:11	460-00-4	
1,2-Dichloroethane-d4 (S)	110 %		77-119	1		03/28/13 17:11	17060-07-0	
Toluene-d8 (S)	97 %		85-115	1		03/28/13 17:11	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	0.61 NTU		0.10	1		03/22/13 18:39		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	400 mg/L		10.0	1		03/28/13 13:30		
2540C Total Dissolved Solids		Analytical Method: SM 2540C						
Total Dissolved Solids	2430 mg/L		10.0	1		03/25/13 14:50		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-15 (-6)		Lab ID: 3090074018		Collected: 03/21/13 17:03	Received: 03/22/13 10:00	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	11.8	Std. Units	0.10	1		03/22/13 17:16		H6
9050 Specific Conductance		Analytical Method: EPA 9050						
Specific Conductance	5660	umhos/cm	1.0	1		03/29/13 13:30		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	2.0	mg/L	0.10	1		03/28/13 09:59	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	83.4	mg/L	10.0	1		03/28/13 11:30		
4500 Chloride		Analytical Method: SM 4500-Cl-E						
Chloride	1380	mg/L	60.0	20		03/26/13 15:19	16887-00-6	
ASTM D516-9002 Sulfate Water		Analytical Method: ASTM D516-90,02						
Sulfate	78.4	mg/L	0.38	1		03/28/13 12:46	14808-79-8	
SM4500NO2-B, Nitrite, unpres		Analytical Method: SM 4500-NO2 B						
Nitrite as N	0.13	mg/L	0.010	1		03/22/13 20:56	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd		Analytical Method: SM 4500-NO3 F						
Nitrate as N	0.18	mg/L	0.060	1		03/28/13 07:36	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-19	Lab ID: 3090074019	Collected: 03/21/13 17:52	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.) Analytical Method: SM 2340B								
Total Hardness	791 mg/L		2.1	1		03/27/13 10:41		
Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Calcium	317000 ug/L		1000	1	03/25/13 14:21	03/27/13 10:41	7440-70-2	
Magnesium	ND ug/L		200	1	03/25/13 14:21	03/27/13 10:41	7439-95-4	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Antimony	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:50	7440-36-0	D3
Arsenic	0.0032 mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:50	7440-38-2	
Barium	0.018 mg/L		0.0015	5	03/24/13 07:10	03/28/13 12:50	7440-39-3	
Beryllium	ND mg/L		0.0010	5	03/24/13 07:10	03/28/13 12:50	7440-41-7	D3
Cadmium	ND mg/L		0.00040	5	03/24/13 07:10	03/28/13 12:50	7440-43-9	D3
Calcium	326 mg/L		2.0	100	03/24/13 07:10	03/28/13 12:55	7440-70-2	
Chromium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:50	7440-47-3	D3
Cobalt	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:50	7440-48-4	D3
Copper	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:50	7440-50-8	D3
Iron	ND mg/L		0.25	5	03/24/13 07:10	03/28/13 12:50	7439-89-6	D3
Lead	0.0026 mg/L		0.00050	5	03/24/13 07:10	03/28/13 12:50	7439-92-1	
Magnesium	0.077 mg/L		0.025	5	03/24/13 07:10	03/28/13 12:50	7439-95-4	
Manganese	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:50	7439-96-5	D3
Nickel	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:50	7440-02-0	D3
Potassium	50.0 mg/L		0.10	5	03/24/13 07:10	03/28/13 12:50	7440-09-7	
Selenium	0.0046 mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:50	7782-49-2	
Silver	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:50	7440-22-4	D3
Sodium	56.0 mg/L		0.25	5	03/24/13 07:10	03/28/13 12:50	7440-23-5	
Thallium	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 12:50	7440-28-0	D3
Vanadium	0.037 mg/L		0.00050	5	03/24/13 07:10	03/28/13 12:50	7440-62-2	
Zinc	ND mg/L		0.025	5	03/24/13 07:10	03/28/13 12:50	7440-66-6	D3
8260 MSV Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/28/13 17:37	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/28/13 17:37	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/28/13 17:37	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/28/13 17:37	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/28/13 17:37	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/28/13 17:37	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/28/13 17:37	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/28/13 17:37	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/28/13 17:37	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/28/13 17:37	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/28/13 17:37	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/28/13 17:37	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/28/13 17:37	106-46-7	
2-Butanone (MEK)	ND ug/L		5.0	1		03/28/13 17:37	78-93-3	
2-Hexanone	ND ug/L		5.0	1		03/28/13 17:37	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		03/28/13 17:37	108-10-1	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-19		Lab ID: 3090074019	Collected: 03/21/13 17:52	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	5.0	1		03/28/13 17:37	67-64-1	
Acrylonitrile	ND	ug/L	2.0	1		03/28/13 17:37	107-13-1	
Benzene	3.7	ug/L	1.0	1		03/28/13 17:37	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/28/13 17:37	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/28/13 17:37	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/28/13 17:37	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/28/13 17:37	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		03/28/13 17:37	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/28/13 17:37	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/28/13 17:37	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/28/13 17:37	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/28/13 17:37	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/28/13 17:37	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/28/13 17:37	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/28/13 17:37	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/28/13 17:37	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/28/13 17:37	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/28/13 17:37	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/28/13 17:37	75-09-2	
Styrene	ND	ug/L	1.0	1		03/28/13 17:37	100-42-5	
Tetrachloroethene	4.8	ug/L	1.0	1		03/28/13 17:37	127-18-4	
Toluene	ND	ug/L	1.0	1		03/28/13 17:37	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/28/13 17:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/28/13 17:37	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/28/13 17:37	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/28/13 17:37	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/28/13 17:37	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/13 17:37	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/13 17:37	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/13 17:37	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/13 17:37	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/28/13 17:37	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	102	%	85-115	1		03/28/13 17:37	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	77-119	1		03/28/13 17:37	17060-07-0	
Toluene-d8 (S)	100	%	85-115	1		03/28/13 17:37	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	0.31	NTU	0.10	1		03/22/13 18:39		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	200	mg/L	10.0	1		03/28/13 13:30		
2540C Total Dissolved Solids		Analytical Method: SM 2540C						
Total Dissolved Solids	1460	mg/L	10.0	1		03/25/13 14:50		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-19		Lab ID: 3090074019	Collected: 03/21/13 17:52	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	10.8	Std. Units	0.10	1		03/22/13 17:16		H6
9050 Specific Conductance	Analytical Method: EPA 9050							
Specific Conductance	2040	umhos/cm	1.0	1		03/29/13 13:30		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	3.5	mg/L	0.10	1		03/28/13 09:59	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	24.7	mg/L	10.0	1		03/28/13 11:30		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	73.4	mg/L	3.0	1		03/28/13 12:46	16887-00-6	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	47.0	mg/L	0.38	1		03/28/13 12:46	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	0.53	mg/L	0.10	10		03/22/13 21:17	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	ND	mg/L	0.060	1		03/28/13 07:36	14797-55-8	

QUALITY CONTROL DATA

Project: Grey's Landfill
Pace Project No.: 3090074

QC Batch: MPRP/10361 Analysis Method: EPA 6010B
QC Batch Method: EPA 3005 Analysis Description: 6010 MET
Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

METHOD BLANK: 558788 Matrix: Water
Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Calcium	ug/L	ND	1000	03/27/13 09:02	
Magnesium	ug/L	ND	200	03/27/13 09:02	

LABORATORY CONTROL SAMPLE: 558789

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	ug/L	5000	5380	108	80-120	
Magnesium	ug/L	5000	5400	108	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 558791 558792

Parameter	Units	3090109001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Calcium	ug/L	114000	5000	5000	116000	116000	47	52	80-120	.2	M1
Magnesium	ug/L	43400	5000	5000	48400	48600	100	104	80-120	.4	

MATRIX SPIKE SAMPLE: 558794

Parameter	Units	3090109002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Calcium	ug/L	104000	5000	111000	137	80-120	M1
Magnesium	ug/L	28500	5000	34400	118	80-120	

SAMPLE DUPLICATE: 558790

Parameter	Units	3090109001 Result	Dup Result	RPD	Qualifiers
Calcium	ug/L	114000	111000	2	
Magnesium	ug/L	43400	42500	2	

SAMPLE DUPLICATE: 558793

Parameter	Units	3090109002 Result	Dup Result	RPD	Qualifiers
Calcium	ug/L	104000	105000	.4	

QUALITY CONTROL DATA

Project: Grey's Landfill
Pace Project No.: 3090074

SAMPLE DUPLICATE: 558793

Parameter	Units	3090109002 Result	Dup Result	RPD	Qualifiers
Magnesium	ug/L	28500	28700	.5	

QUALITY CONTROL DATA

Project: Grey's Landfill
Pace Project No.: 3090074

QC Batch: MPRP/38164 Analysis Method: EPA 6020
QC Batch Method: EPA 3020 Analysis Description: 6020 MET
Associated Lab Samples: 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

METHOD BLANK: 1397123 Matrix: Water

Associated Lab Samples: 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	mg/L	ND	0.00050	03/28/13 08:22	
Arsenic	mg/L	ND	0.00050	03/28/13 08:22	
Barium	mg/L	ND	0.00030	03/28/13 08:22	
Beryllium	mg/L	ND	0.00020	03/28/13 08:22	
Cadmium	mg/L	ND	0.000080	03/28/13 08:22	
Calcium	mg/L	ND	0.020	03/28/13 08:22	
Chromium	mg/L	ND	0.00050	03/28/13 08:22	
Cobalt	mg/L	ND	0.00050	03/28/13 08:22	
Copper	mg/L	ND	0.00050	03/28/13 08:22	
Iron	mg/L	ND	0.050	03/28/13 08:22	
Lead	mg/L	ND	0.00010	03/28/13 08:22	
Magnesium	mg/L	ND	0.0050	03/28/13 08:22	
Manganese	mg/L	ND	0.00050	03/28/13 08:22	
Nickel	mg/L	ND	0.00050	03/28/13 08:22	
Potassium	mg/L	ND	0.020	03/28/13 08:22	
Selenium	mg/L	ND	0.00050	03/28/13 08:22	
Silver	mg/L	ND	0.00050	03/28/13 08:22	
Sodium	mg/L	ND	0.050	03/28/13 08:22	
Thallium	mg/L	ND	0.00010	03/28/13 08:22	
Vanadium	mg/L	ND	0.00010	03/28/13 08:22	
Zinc	mg/L	ND	0.0050	03/28/13 08:22	

LABORATORY CONTROL SAMPLE: 1397124

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	.08	0.079	98	80-120	
Arsenic	mg/L	.08	0.078	97	80-120	
Barium	mg/L	.08	0.080	100	80-120	
Beryllium	mg/L	.08	0.080	100	80-120	
Cadmium	mg/L	.08	0.080	101	80-120	
Calcium	mg/L	1	1.0	102	80-120	
Chromium	mg/L	.08	0.080	100	80-120	
Cobalt	mg/L	.08	0.078	98	80-120	
Copper	mg/L	.08	0.080	100	80-120	
Iron	mg/L	1	0.98	98	80-120	
Lead	mg/L	.08	0.079	99	80-120	
Magnesium	mg/L	1	1.0	100	80-120	
Manganese	mg/L	.08	0.085	106	80-120	

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

LABORATORY CONTROL SAMPLE: 1397124

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nickel	mg/L	.08	0.080	100	80-120	
Potassium	mg/L	1	0.98	98	80-120	
Selenium	mg/L	.08	0.078	98	80-120	
Silver	mg/L	.08	0.082	103	80-120	
Sodium	mg/L	1	0.99	99	80-120	
Thallium	mg/L	.08	0.080	100	80-120	
Vanadium	mg/L	.08	0.077	97	80-120	
Zinc	mg/L	.08	0.090	113	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1397125 1397126

Parameter	Units	3090074004		MS	MSD	MS	MSD	MS	MSD	% Rec	RPD	Qual
		Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits			
Antimony	mg/L	ND	.08	.08	0.079	0.080	98	100	75-125	2		
Arsenic	mg/L	ND	.08	.08	0.081	0.079	101	98	75-125	2		
Barium	mg/L	0.058	.08	.08	0.14	0.14	100	99	75-125	.8		
Beryllium	mg/L	ND	.08	.08	0.080	0.082	100	102	75-125	2		
Cadmium	mg/L	ND	.08	.08	0.081	0.080	101	100	75-125	.9		
Calcium	mg/L	163	1	1	168	167	485	425	75-125	.4 M6		
Chromium	mg/L	ND	.08	.08	0.082	0.083	101	102	75-125	1		
Cobalt	mg/L	ND	.08	.08	0.080	0.079	100	98	75-125	2		
Copper	mg/L	0.0042	.08	.08	0.087	0.086	103	103	75-125	.4		
Iron	mg/L	ND	1	1	1.0	1.0	102	100	75-125	1		
Lead	mg/L	0.0065	.08	.08	0.086	0.086	99	99	75-125	.4		
Magnesium	mg/L	0.035	1	1	1.1	1.1	104	103	75-125	.9		
Manganese	mg/L	ND	.08	.08	0.081	0.082	100	101	75-125	1		
Nickel	mg/L	ND	.08	.08	0.084	0.083	103	102	75-125	1		
Potassium	mg/L	11.1	1	1	12.1	12.0	100	89	75-125	.9		
Selenium	mg/L	ND	.08	.08	0.082	0.081	100	99	75-125	.5		
Silver	mg/L	ND	.08	.08	0.082	0.078	102	97	75-125	5		
Sodium	mg/L	11.4	1	1	12.5	12.3	108	89	75-125	2		
Thallium	mg/L	ND	.08	.08	0.080	0.081	100	101	75-125	.7		
Vanadium	mg/L	0.022	.08	.08	0.10	0.10	100	98	75-125	1		
Zinc	mg/L	0.035	.08	.08	0.084	0.086	61	63	75-125	3 M6		

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

QC Batch: MPRP/38187

Analysis Method: EPA 6020

QC Batch Method: EPA 3020

Analysis Description: 6020 MET

Associated Lab Samples: 3090074001

METHOD BLANK: 1397638

Matrix: Water

Associated Lab Samples: 3090074001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	mg/L	ND	0.00050	03/26/13 15:54	
Arsenic	mg/L	ND	0.00050	03/26/13 15:54	
Barium	mg/L	ND	0.00030	03/26/13 15:54	
Beryllium	mg/L	ND	0.00020	03/26/13 15:54	
Cadmium	mg/L	ND	0.000080	03/26/13 15:54	
Calcium	mg/L	ND	0.020	03/26/13 15:54	
Chromium	mg/L	ND	0.00050	03/26/13 15:54	
Cobalt	mg/L	ND	0.00050	03/26/13 15:54	
Copper	mg/L	ND	0.00050	03/26/13 15:54	
Iron	mg/L	ND	0.050	03/26/13 15:54	
Lead	mg/L	ND	0.00010	03/26/13 15:54	
Magnesium	mg/L	ND	0.0050	03/26/13 15:54	
Manganese	mg/L	0.0037	0.00050	03/26/13 15:54	P8
Nickel	mg/L	ND	0.00050	03/26/13 15:54	
Potassium	mg/L	ND	0.020	03/26/13 15:54	
Selenium	mg/L	ND	0.00050	03/26/13 15:54	
Silver	mg/L	ND	0.00050	03/26/13 15:54	
Sodium	mg/L	ND	0.050	03/26/13 15:54	
Thallium	mg/L	ND	0.00010	03/26/13 15:54	
Vanadium	mg/L	ND	0.00010	03/26/13 15:54	
Zinc	mg/L	ND	0.0050	03/26/13 15:54	

LABORATORY CONTROL SAMPLE: 1397639

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	.08	0.080	100	80-120	
Arsenic	mg/L	.08	0.082	102	80-120	
Barium	mg/L	.08	0.081	101	80-120	
Beryllium	mg/L	.08	0.087	109	80-120	
Cadmium	mg/L	.08	0.081	102	80-120	
Calcium	mg/L	1	1.2	117	80-120	
Chromium	mg/L	.08	0.082	103	80-120	
Cobalt	mg/L	.08	0.084	105	80-120	
Copper	mg/L	.08	0.088	110	80-120	
Iron	mg/L	1	1.0	101	80-120	
Lead	mg/L	.08	0.076	95	80-120	
Magnesium	mg/L	1	1.0	103	80-120	
Manganese	mg/L	.08	0.080	100	80-120	
Nickel	mg/L	.08	0.083	104	80-120	
Potassium	mg/L	1	1.1	109	80-120	
Selenium	mg/L	.08	0.079	99	80-120	

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

LABORATORY CONTROL SAMPLE: 1397639

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Silver	mg/L	.08	0.076	95	80-120	
Sodium	mg/L	1	1.0	101	80-120	
Thallium	mg/L	.08	0.078	98	80-120	
Vanadium	mg/L	.08	0.081	102	80-120	
Zinc	mg/L	.08	0.082	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1397640 1397641

Parameter	Units	3090074001		MS		MSD		MS		MSD		% Rec		RPD	Qual
		Result	Conc.	Spike Conc.	MS Result	MSD Result	% Rec	% Rec	Limits						
Antimony	mg/L	0.00078	.08	.08	0.081	0.075	100	93	75-125	7					
Arsenic	mg/L	0.024	.08	.08	0.10	0.097	101	92	75-125	7					
Barium	mg/L	0.046	.08	.08	0.12	0.12	93	91	75-125	1					
Beryllium	mg/L	ND	.08	.08	0.084	0.079	105	99	75-125	6					
Cadmium	mg/L	0.00035	.08	.08	0.083	0.076	104	95	75-125	9					
Calcium	mg/L	259	1	1	239	231	-1960	-2760	75-125	3 M6					
Chromium	mg/L	0.0085	.08	.08	0.092	0.086	105	97	75-125	6					
Cobalt	mg/L	0.0020	.08	.08	0.084	0.078	102	95	75-125	8					
Copper	mg/L	0.034	.08	.08	0.12	0.12	107	101	75-125	4					
Iron	mg/L	4.5	1	1	5.8	5.6	130	113	75-125	3 M6					
Lead	mg/L	0.0099	.08	.08	0.085	0.079	94	87	75-125	7					
Magnesium	mg/L	0.50	1	1	1.6	1.4	106	90	75-125	11					
Manganese	mg/L	0.12	.08	.08	0.21	0.20	107	99	75-125	3					
Nickel	mg/L	0.012	.08	.08	0.096	0.090	105	97	75-125	7					
Potassium	mg/L	72.5	1	1	76.0	73.4	355	90	75-125	4 M6					
Selenium	mg/L	0.0016	.08	.08	0.049	0.041	59	49	75-125	18 M6					
Silver	mg/L	0.0019	.08	.08	0.034	.022J	40	25	75-125	M6					
Sodium	mg/L	206	1	1	194	181	-1200	-2420	75-125	7 M6					
Thallium	mg/L	ND	.08	.08	0.076	0.071	95	89	75-125	6					
Vanadium	mg/L	0.017	.08	.08	0.10	0.092	105	94	75-125	10					
Zinc	mg/L	0.061	.08	.08	.14J	.13J	100	84	75-125						

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

QC Batch: MSV/15654

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008

METHOD BLANK: 559580

Matrix: Water

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	03/27/13 11:55	
1,1,1-Trichloroethane	ug/L	ND	1.0	03/27/13 11:55	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	03/27/13 11:55	
1,1,2-Trichloroethane	ug/L	ND	1.0	03/27/13 11:55	
1,1-Dichloroethane	ug/L	ND	1.0	03/27/13 11:55	
1,1-Dichloroethene	ug/L	ND	1.0	03/27/13 11:55	
1,2,3-Trichloropropane	ug/L	ND	1.0	03/27/13 11:55	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	03/27/13 11:55	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	03/27/13 11:55	
1,2-Dichlorobenzene	ug/L	ND	1.0	03/27/13 11:55	
1,2-Dichloroethane	ug/L	ND	1.0	03/27/13 11:55	
1,2-Dichloropropane	ug/L	ND	1.0	03/27/13 11:55	
1,4-Dichlorobenzene	ug/L	ND	1.0	03/27/13 11:55	
2-Butanone (MEK)	ug/L	ND	10.0	03/27/13 11:55	
2-Hexanone	ug/L	ND	10.0	03/27/13 11:55	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	03/27/13 11:55	
Acetone	ug/L	ND	10.0	03/27/13 11:55	
Acrylonitrile	ug/L	ND	2.0	03/27/13 11:55	
Benzene	ug/L	ND	1.0	03/27/13 11:55	
Bromochloromethane	ug/L	ND	1.0	03/27/13 11:55	
Bromodichloromethane	ug/L	ND	1.0	03/27/13 11:55	
Bromoform	ug/L	ND	1.0	03/27/13 11:55	
Bromomethane	ug/L	ND	1.0	03/27/13 11:55	
Carbon disulfide	ug/L	ND	1.0	03/27/13 11:55	
Carbon tetrachloride	ug/L	ND	1.0	03/27/13 11:55	
Chlorobenzene	ug/L	ND	1.0	03/27/13 11:55	
Chloroethane	ug/L	ND	1.0	03/27/13 11:55	
Chloroform	ug/L	ND	1.0	03/27/13 11:55	
Chloromethane	ug/L	ND	1.0	03/27/13 11:55	
cis-1,2-Dichloroethene	ug/L	ND	1.0	03/27/13 11:55	
cis-1,3-Dichloropropene	ug/L	ND	1.0	03/27/13 11:55	
Dibromochloromethane	ug/L	ND	1.0	03/27/13 11:55	
Dibromomethane	ug/L	ND	1.0	03/27/13 11:55	
Ethylbenzene	ug/L	ND	1.0	03/27/13 11:55	
Iodomethane	ug/L	ND	50.0	03/27/13 11:55	N2
Methyl-tert-butyl ether	ug/L	ND	1.0	03/27/13 11:55	
Methylene Chloride	ug/L	ND	1.0	03/27/13 11:55	
Styrene	ug/L	ND	1.0	03/27/13 11:55	
Tetrachloroethene	ug/L	ND	1.0	03/27/13 11:55	
Toluene	ug/L	ND	1.0	03/27/13 11:55	
trans-1,2-Dichloroethene	ug/L	ND	1.0	03/27/13 11:55	
trans-1,3-Dichloropropene	ug/L	ND	1.0	03/27/13 11:55	
trans-1,4-Dichloro-2-butene	ug/L	ND	5.0	03/27/13 11:55	N2

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

METHOD BLANK: 559580

Matrix: Water

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichloroethene	ug/L	ND	1.0	03/27/13 11:55	
Trichlorofluoromethane	ug/L	ND	1.0	03/27/13 11:55	
Vinyl acetate	ug/L	ND	10.0	03/27/13 11:55	
Vinyl chloride	ug/L	ND	1.0	03/27/13 11:55	
Xylene (Total)	ug/L	ND	3.0	03/27/13 11:55	
1,2-Dichloroethane-d4 (S)	%	87	77-119	03/27/13 11:55	
4-Bromofluorobenzene (S)	%	102	85-115	03/27/13 11:55	
Toluene-d8 (S)	%	96	85-115	03/27/13 11:55	

LABORATORY CONTROL SAMPLE: 559581

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	17.9	89	69-122	
1,1,1-Trichloroethane	ug/L	20	19.5	97	62-125	
1,1,2,2-Tetrachloroethane	ug/L	20	15.7	78	61-117	
1,1,2-Trichloroethane	ug/L	20	17.9	90	72-119	
1,1-Dichloroethane	ug/L	20	21.2	106	63-123	
1,1-Dichloroethene	ug/L	20	22.8	114	57-127	
1,2,3-Trichloropropane	ug/L	20	16.0	80	69-121	
1,2-Dibromo-3-chloropropane	ug/L	20	14.6	73	50-133	
1,2-Dibromoethane (EDB)	ug/L	20	18.2	91	70-118	
1,2-Dichlorobenzene	ug/L	20	18.9	95	70-116	
1,2-Dichloroethane	ug/L	20	17.3	87	62-125	
1,2-Dichloropropane	ug/L	20	17.8	89	69-115	
1,4-Dichlorobenzene	ug/L	20	19.1	95	67-119	
2-Butanone (MEK)	ug/L	20	16.7	84	48-136	
2-Hexanone	ug/L	20	17.5	88	52-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	15.6	78	57-124	
Acetone	ug/L	20	14.7	74	49-138	
Acrylonitrile	ug/L	20	13.0	65	70-130 L2	
Benzene	ug/L	20	19.7	98	66-122	
Bromochloromethane	ug/L	20	20.9	105	61-126	
Bromodichloromethane	ug/L	20	16.7	83	63-118	
Bromoform	ug/L	20	15.6	78	46-130	
Bromomethane	ug/L	20	18.8	94	10-175	
Carbon disulfide	ug/L	20	26.3	132	59-142	
Carbon tetrachloride	ug/L	20	18.0	90	55-126	
Chlorobenzene	ug/L	20	19.5	98	70-121	
Chloroethane	ug/L	20	23.3	116	24-161	
Chloroform	ug/L	20	19.4	97	62-126	
Chloromethane	ug/L	20	21.9	109	37-147	
cis-1,2-Dichloroethene	ug/L	20	20.0	100	64-121	
cis-1,3-Dichloropropene	ug/L	20	19.0	95	64-118	
Dibromochloromethane	ug/L	20	17.8	89	60-120	
Dibromomethane	ug/L	20	19.7	99	67-124	

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

LABORATORY CONTROL SAMPLE: 559581

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	20	19.6	98	69-119	
Iodomethane	ug/L	20	14J	70	70-130	N2
Methyl-tert-butyl ether	ug/L	20	17.6	88	58-131	
Methylene Chloride	ug/L	20	19.4	97	59-128	
Styrene	ug/L	20	24.6	123	67-146	
Tetrachloroethene	ug/L	20	19.7	99	62-125	
Toluene	ug/L	20	19.8	99	72-115	
trans-1,2-Dichloroethene	ug/L	20	20.9	105	59-122	
trans-1,3-Dichloropropene	ug/L	20	16.9	85	64-120	
trans-1,4-Dichloro-2-butene	ug/L	20	13.8	69	70-130	L2,N2
Trichloroethene	ug/L	20	20.3	102	62-125	
Trichlorofluoromethane	ug/L	20	18.5	92	54-158	
Vinyl acetate	ug/L		ND			
Vinyl chloride	ug/L	20	23.1	116	52-145	
Xylene (Total)	ug/L	60	58.9	98	70-123	
1,2-Dichloroethane-d4 (S)	%			86	77-119	
4-Bromofluorobenzene (S)	%			97	85-115	
Toluene-d8 (S)	%			97	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 559582 559583

Parameter	Units	3089979001		MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.							
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	20	18.4	19.6	92	98	69-122	6	
1,1,1-Trichloroethane	ug/L	ND	20	20	20	20.2	21.8	101	109	62-125	8	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	20	17.1	18.4	85	92	61-117	7	
1,1,2-Trichloroethane	ug/L	ND	20	20	20	18.4	19.2	92	96	72-119	4	
1,1-Dichloroethane	ug/L	ND	20	20	20	21.9	22.9	110	115	63-123	4	
1,1-Dichloroethene	ug/L	ND	20	20	20	24.5	25.4	123	127	57-127	3	
1,2,3-Trichloropropane	ug/L	ND	20	20	20	16.6	17.4	83	87	69-121	5	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	20	15.6	16.5	78	82	50-133	5	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	20	18.2	19.3	91	96	70-118	6	
1,2-Dichlorobenzene	ug/L	ND	20	20	20	19.2	20.4	96	102	70-116	6	
1,2-Dichloroethane	ug/L	ND	20	20	20	17.5	19.0	88	95	62-125	8	
1,2-Dichloropropane	ug/L	ND	20	20	20	18.4	19.8	92	99	69-115	7	
1,4-Dichlorobenzene	ug/L	ND	20	20	20	19.5	20.3	97	101	67-119	4	
2-Butanone (MEK)	ug/L	ND	20	20	20	15.7	17.7	78	89	48-136	12	
2-Hexanone	ug/L	ND	20	20	20	17.9	18.4	89	92	52-130	3	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20	20	20	16.1	16.6	80	83	57-124	3	
Acetone	ug/L	ND	20	20	20	15.3	18.1	76	91	49-138	17	
Acrylonitrile	ug/L	ND	20	20	20	10.9	13.3	54	67	70-130	20	M0
Benzene	ug/L	ND	20	20	20	20.6	21.9	103	109	66-122	6	
Bromochloromethane	ug/L	ND	20	20	20	19.9	22.1	100	110	61-126	10	
Bromodichloromethane	ug/L	ND	20	20	20	17.3	18.6	87	93	63-118	7	
Bromoform	ug/L	ND	20	20	20	15.5	16.6	78	83	46-130	7	
Bromomethane	ug/L	ND	20	20	20	11.9	12.4	60	62	10-175	4	
Carbon disulfide	ug/L	ND	20	20	20	24.6	29.0	123	145	59-142	16	M0

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

Parameter	Units	3089979001		MS		MSD		MS		MSD		% Rec	Limits	RPD	Qual
		Result	Conc.	Spike Conc.	MS Result	MSD Result	% Rec	% Rec							
Carbon tetrachloride	ug/L	ND	20	20	18.9	20.3	95	102	55-126	7					
Chlorobenzene	ug/L	ND	20	20	19.8	20.9	99	105	70-121	5					
Chloroethane	ug/L	ND	20	20	25.6	26.9	128	135	24-161	5					
Chloroform	ug/L	ND	20	20	19.7	21.6	99	108	62-126	9					
Chloromethane	ug/L	ND	20	20	21.8	23.1	109	115	37-147	6					
cis-1,2-Dichloroethene	ug/L	ND	20	20	20.4	21.9	102	110	64-121	7					
cis-1,3-Dichloropropene	ug/L	ND	20	20	19.2	20.7	96	103	64-118	7					
Dibromochloromethane	ug/L	ND	20	20	18.4	19.6	92	98	60-120	6					
Dibromomethane	ug/L	ND	20	20	19.9	21.5	100	107	67-124	7					
Ethylbenzene	ug/L	ND	20	20	20.4	21.5	102	107	69-119	5					
Iodomethane	ug/L	ND	20	20	16.6J	21.2J	83	106	70-130	N2					
Methyl-tert-butyl ether	ug/L	ND	20	20	15.8	17.8	79	89	58-131	12					
Methylene Chloride	ug/L	ND	20	20	18.7	21.1	94	106	59-128	12					
Styrene	ug/L	ND	20	20	24.6	26.4	123	132	67-146	7					
Tetrachloroethene	ug/L	ND	20	20	21.3	22.6	106	113	62-125	6					
Toluene	ug/L	ND	20	20	20.1	21.5	101	108	72-115	7					
trans-1,2-Dichloroethene	ug/L	ND	20	20	21.6	22.7	108	113	59-122	5					
trans-1,3-Dichloropropene	ug/L	ND	20	20	17.0	18.2	85	91	64-120	7					
trans-1,4-Dichloro-2-butene	ug/L	ND	20	20	12.4	14.5	62	73	70-130	16	M0,N2				
Trichloroethene	ug/L	ND	20	20	19.9	21.9	99	109	62-125	9					
Trichlorofluoromethane	ug/L	ND	20	20	22.4	18.9	112	94	54-158	17					
Vinyl acetate	ug/L	ND			ND	ND									
Vinyl chloride	ug/L	ND	20	20	25.4	26.7	127	134	52-145	5					
Xylene (Total)	ug/L	ND	60	60	60.2	62.8	100	105	70-123	4					
1,2-Dichloroethane-d4 (S)	%						88	89	77-119						
4-Bromofluorobenzene (S)	%						97	97	85-115						
Toluene-d8 (S)	%						97	98	85-115						

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

QC Batch: MSV/15662 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
 Associated Lab Samples: 3090074009, 3090074010, 3090074011, 3090074012, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

METHOD BLANK: 560125 Matrix: Water
 Associated Lab Samples: 3090074009, 3090074010, 3090074011, 3090074012, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	03/28/13 11:00	
1,1,1-Trichloroethane	ug/L	ND	1.0	03/28/13 11:00	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	03/28/13 11:00	
1,1,2-Trichloroethane	ug/L	ND	1.0	03/28/13 11:00	
1,1-Dichloroethane	ug/L	ND	1.0	03/28/13 11:00	
1,1-Dichloroethene	ug/L	ND	1.0	03/28/13 11:00	
1,2,3-Trichloropropane	ug/L	ND	1.0	03/28/13 11:00	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	03/28/13 11:00	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	03/28/13 11:00	
1,2-Dichlorobenzene	ug/L	ND	1.0	03/28/13 11:00	
1,2-Dichloroethane	ug/L	ND	1.0	03/28/13 11:00	
1,2-Dichloropropane	ug/L	ND	1.0	03/28/13 11:00	
1,4-Dichlorobenzene	ug/L	ND	1.0	03/28/13 11:00	
2-Butanone (MEK)	ug/L	ND	10.0	03/28/13 11:00	
2-Hexanone	ug/L	ND	10.0	03/28/13 11:00	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	03/28/13 11:00	
Acetone	ug/L	ND	10.0	03/28/13 11:00	
Acrylonitrile	ug/L	ND	2.0	03/28/13 11:00	
Benzene	ug/L	ND	1.0	03/28/13 11:00	
Bromochloromethane	ug/L	ND	1.0	03/28/13 11:00	
Bromodichloromethane	ug/L	ND	1.0	03/28/13 11:00	
Bromoform	ug/L	ND	1.0	03/28/13 11:00	
Bromomethane	ug/L	ND	1.0	03/28/13 11:00	
Carbon disulfide	ug/L	ND	1.0	03/28/13 11:00	
Carbon tetrachloride	ug/L	ND	1.0	03/28/13 11:00	
Chlorobenzene	ug/L	ND	1.0	03/28/13 11:00	
Chloroethane	ug/L	ND	1.0	03/28/13 11:00	
Chloroform	ug/L	ND	1.0	03/28/13 11:00	
Chloromethane	ug/L	ND	1.0	03/28/13 11:00	
cis-1,2-Dichloroethene	ug/L	ND	1.0	03/28/13 11:00	
cis-1,3-Dichloropropene	ug/L	ND	1.0	03/28/13 11:00	
Dibromochloromethane	ug/L	ND	1.0	03/28/13 11:00	
Dibromomethane	ug/L	ND	1.0	03/28/13 11:00	
Ethylbenzene	ug/L	ND	1.0	03/28/13 11:00	
Iodomethane	ug/L	ND	50.0	03/28/13 11:00	N2
Methyl-tert-butyl ether	ug/L	ND	1.0	03/28/13 11:00	
Methylene Chloride	ug/L	ND	1.0	03/28/13 11:00	
Styrene	ug/L	ND	1.0	03/28/13 11:00	
Tetrachloroethene	ug/L	ND	1.0	03/28/13 11:00	
Toluene	ug/L	ND	1.0	03/28/13 11:00	
trans-1,2-Dichloroethene	ug/L	ND	1.0	03/28/13 11:00	

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

METHOD BLANK: 560125

Matrix: Water

Associated Lab Samples: 3090074009, 3090074010, 3090074011, 3090074012, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	1.0	03/28/13 11:00	
trans-1,4-Dichloro-2-butene	ug/L	ND	5.0	03/28/13 11:00	N2
Trichloroethene	ug/L	ND	1.0	03/28/13 11:00	
Trichlorofluoromethane	ug/L	ND	1.0	03/28/13 11:00	
Vinyl acetate	ug/L	ND	10.0	03/28/13 11:00	
Vinyl chloride	ug/L	ND	1.0	03/28/13 11:00	
Xylene (Total)	ug/L	ND	3.0	03/28/13 11:00	
1,2-Dichloroethane-d4 (S)	%	110	77-119	03/28/13 11:00	
4-Bromofluorobenzene (S)	%	98	85-115	03/28/13 11:00	
Toluene-d8 (S)	%	99	85-115	03/28/13 11:00	

LABORATORY CONTROL SAMPLE: 560126

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.8	94	69-122	
1,1,1-Trichloroethane	ug/L	20	18.6	93	62-125	
1,1,2,2-Tetrachloroethane	ug/L	20	16.8	84	61-117	
1,1,2-Trichloroethane	ug/L	20	17.7	88	72-119	
1,1-Dichloroethane	ug/L	20	18.4	92	63-123	
1,1-Dichloroethene	ug/L	20	20.5	103	57-127	
1,2,3-Trichloropropane	ug/L	20	17.2	86	69-121	
1,2-Dibromo-3-chloropropane	ug/L	20	18.1	90	50-133	
1,2-Dibromoethane (EDB)	ug/L	20	18.0	90	70-118	
1,2-Dichlorobenzene	ug/L	20	17.9	89	70-116	
1,2-Dichloroethane	ug/L	20	17.7	89	62-125	
1,2-Dichloropropane	ug/L	20	17.3	87	69-115	
1,4-Dichlorobenzene	ug/L	20	18.8	94	67-119	
2-Butanone (MEK)	ug/L	20	18.2	91	48-136	
2-Hexanone	ug/L	20	16.6	83	52-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	17.8	89	57-124	
Acetone	ug/L	20	18.2	91	49-138	
Acrylonitrile	ug/L	20	17.2	86	70-130	
Benzene	ug/L	20	18.6	93	66-122	
Bromochloromethane	ug/L	20	18.1	90	61-126	
Bromodichloromethane	ug/L	20	17.8	89	63-118	
Bromoform	ug/L	20	19.7	98	46-130	
Bromomethane	ug/L	20	24.0	120	10-175	
Carbon disulfide	ug/L	20	21.9	109	59-142	
Carbon tetrachloride	ug/L	20	19.6	98	55-126	
Chlorobenzene	ug/L	20	17.8	89	70-121	
Chloroethane	ug/L	20	18.3	91	24-161	
Chloroform	ug/L	20	17.9	89	62-126	
Chloromethane	ug/L	20	19.2	96	37-147	
cis-1,2-Dichloroethene	ug/L	20	16.9	84	64-121	

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

LABORATORY CONTROL SAMPLE: 560126

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	20	19.2	96	64-118	
Dibromochloromethane	ug/L	20	19.2	96	60-120	
Dibromomethane	ug/L	20	20.0	100	67-124	
Ethylbenzene	ug/L	20	18.8	94	69-119	
Iodomethane	ug/L	20	12.6J	63	70-130	L2,N2
Methyl-tert-butyl ether	ug/L	20	17.1	85	58-131	
Methylene Chloride	ug/L	20	17.8	89	59-128	
Styrene	ug/L	20	23.0	115	67-146	
Tetrachloroethene	ug/L	20	19.8	99	62-125	
Toluene	ug/L	20	18.0	90	72-115	
trans-1,2-Dichloroethene	ug/L	20	17.7	88	59-122	
trans-1,3-Dichloropropene	ug/L	20	17.4	87	64-120	
trans-1,4-Dichloro-2-butene	ug/L	20	15.0	75	70-130	N2
Trichloroethene	ug/L	20	19.1	96	62-125	
Trichlorofluoromethane	ug/L	20	21.1	105	54-158	
Vinyl acetate	ug/L		ND			
Vinyl chloride	ug/L	20	19.1	96	52-145	
Xylene (Total)	ug/L	60	54.3	90	70-123	
1,2-Dichloroethane-d4 (S)	%			107	77-119	
4-Bromofluorobenzene (S)	%			105	85-115	
Toluene-d8 (S)	%			101	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 560335 560336

Parameter	Units	3090074012		MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.							
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	20	20.7	19.7	104	99	69-122	5	
1,1,1-Trichloroethane	ug/L	ND	20	20	20	21.6	22.7	108	114	62-125	5	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	20	17.3	17.3	87	87	61-117	.2	
1,1,2-Trichloroethane	ug/L	ND	20	20	20	19.9	18.0	99	90	72-119	10	
1,1-Dichloroethane	ug/L	11.1	20	20	20	31.1	32.9	100	109	63-123	6	
1,1-Dichloroethene	ug/L	ND	20	20	20	23.7	24.6	118	123	57-127	4	
1,2,3-Trichloropropane	ug/L	ND	20	20	20	17.4	17.6	87	88	69-121	1	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	20	18.2	18.2	91	91	50-133	.2	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	20	20.5	20.0	102	100	70-118	2	
1,2-Dichlorobenzene	ug/L	ND	20	20	20	18.5	18.8	93	94	70-116	2	
1,2-Dichloroethane	ug/L	ND	20	20	20	20.1	19.7	101	99	62-125	2	
1,2-Dichloropropane	ug/L	ND	20	20	20	20.0	19.1	100	95	69-115	5	
1,4-Dichlorobenzene	ug/L	ND	20	20	20	19.3	18.9	97	95	67-119	2	
2-Butanone (MEK)	ug/L	ND	20	20	20	17.6	18.6	88	93	48-136	5	
2-Hexanone	ug/L	ND	20	20	20	16.1	15.9	80	80	52-130	.9	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20	20	20	17.5	18.4	87	92	57-124	5	
Acetone	ug/L	5.2	20	20	20	21.6	21.9	82	83	49-138	1	
Acrylonitrile	ug/L	ND	20	20	20	15.9	17.1	79	86	70-130	8	
Benzene	ug/L	9.9	20	20	20	31.5	30.1	108	101	66-122	4	
Bromochloromethane	ug/L	ND	20	20	20	21.2	21.0	106	105	61-126	.7	
Bromodichloromethane	ug/L	ND	20	20	20	20.8	20.2	104	101	63-118	3	

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QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

Parameter	Units	3090074012		560335		560336		% Rec	% Rec	Limits	RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Bromoform	ug/L	ND	20	20	21.5	20.4	108	102	46-130	5		
Bromomethane	ug/L	ND	20	20	12.5	15.0	62	75	10-175	18		
Carbon disulfide	ug/L	ND	20	20	22.7	24.3	113	121	59-142	7		
Carbon tetrachloride	ug/L	ND	20	20	22.0	21.5	110	108	55-126	2		
Chlorobenzene	ug/L	ND	20	20	20.4	19.2	102	96	70-121	6		
Chloroethane	ug/L	ND	20	20	24.8	22.9	124	115	24-161	8		
Chloroform	ug/L	ND	20	20	21.0	21.1	105	106	62-126	.6		
Chloromethane	ug/L	ND	20	20	21.6	21.5	108	107	37-147	.7		
cis-1,2-Dichloroethene	ug/L	3.2	20	20	22.2	23.6	95	102	64-121	6		
cis-1,3-Dichloropropene	ug/L	ND	20	20	21.8	19.9	109	100	64-118	9		
Dibromochloromethane	ug/L	ND	20	20	22.1	20.5	111	102	60-120	8		
Dibromomethane	ug/L	ND	20	20	22.4	21.3	112	107	67-124	5		
Ethylbenzene	ug/L	ND	20	20	20.7	19.6	103	98	69-119	5		
Iodomethane	ug/L	ND	20	20	10.8J	13.1J	54	66	70-130		M0,N2	
Methyl-tert-butyl ether	ug/L	ND	20	20	17.3	18.5	87	92	58-131	7		
Methylene Chloride	ug/L	ND	20	20	19.6	19.5	98	98	59-128	.6		
Styrene	ug/L	ND	20	20	26.2	23.8	131	119	67-146	10		
Tetrachloroethene	ug/L	ND	20	20	21.5	21.9	108	110	62-125	2		
Toluene	ug/L	ND	20	20	21.0	20.2	105	101	72-115	4		
trans-1,2-Dichloroethene	ug/L	ND	20	20	21.1	21.3	105	107	59-122	1		
trans-1,3-Dichloropropene	ug/L	ND	20	20	19.0	18.3	95	91	64-120	4		
trans-1,4-Dichloro-2-butene	ug/L	ND	20	20	13.4	14.4	67	72	70-130	7	M0,N2	
Trichloroethene	ug/L	ND	20	20	22.2	20.6	111	103	62-125	7		
Trichlorofluoromethane	ug/L	ND	20	20	25.8	26.2	129	131	54-158	1		
Vinyl acetate	ug/L	ND			3.4J	ND						
Vinyl chloride	ug/L	ND	20	20	23.6	23.4	116	115	52-145	.8		
Xylene (Total)	ug/L	ND	60	60	62.9	58.6	105	98	70-123	7		
1,2-Dichloroethane-d4 (S)	%						109	109	77-119			
4-Bromofluorobenzene (S)	%						104	101	85-115			
Toluene-d8 (S)	%						102	99	85-115			

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

QC Batch: OEXT/14600 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 3090074001, 3090074005, 3090074007, 3090074009, 3090074010

METHOD BLANK: 559055 Matrix: Water
Associated Lab Samples: 3090074001, 3090074005, 3090074007, 3090074009, 3090074010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	1.0	03/27/13 13:46	
1,2-Dichlorobenzene	ug/L	ND	1.0	03/27/13 13:46	
1,3-Dichlorobenzene	ug/L	ND	1.0	03/27/13 13:46	
1,4-Dichlorobenzene	ug/L	ND	1.0	03/27/13 13:46	
1-Methylnaphthalene	ug/L	ND	1.0	03/27/13 13:46	N2
2,4,5-Trichlorophenol	ug/L	ND	2.5	03/27/13 13:46	
2,4,6-Trichlorophenol	ug/L	ND	1.0	03/27/13 13:46	
2,4-Dichlorophenol	ug/L	ND	1.0	03/27/13 13:46	
2,4-Dimethylphenol	ug/L	ND	1.0	03/27/13 13:46	
2,4-Dinitrophenol	ug/L	ND	2.5	03/27/13 13:46	
2,4-Dinitrotoluene	ug/L	ND	1.0	03/27/13 13:46	
2,6-Dinitrotoluene	ug/L	ND	1.0	03/27/13 13:46	
2-Chloronaphthalene	ug/L	ND	1.0	03/27/13 13:46	
2-Chlorophenol	ug/L	ND	1.0	03/27/13 13:46	
2-Methylnaphthalene	ug/L	ND	1.0	03/27/13 13:46	
2-Methylphenol(o-Cresol)	ug/L	ND	1.0	03/27/13 13:46	
2-Nitroaniline	ug/L	ND	2.5	03/27/13 13:46	
2-Nitrophenol	ug/L	ND	1.0	03/27/13 13:46	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	2.0	03/27/13 13:46	
3,3'-Dichlorobenzidine	ug/L	ND	1.0	03/27/13 13:46	
3-Nitroaniline	ug/L	ND	2.5	03/27/13 13:46	
4,6-Dinitro-2-methylphenol	ug/L	ND	2.5	03/27/13 13:46	
4-Bromophenylphenyl ether	ug/L	ND	1.0	03/27/13 13:46	
4-Chloro-3-methylphenol	ug/L	ND	1.0	03/27/13 13:46	
4-Chloroaniline	ug/L	ND	1.0	03/27/13 13:46	
4-Chlorophenylphenyl ether	ug/L	ND	1.0	03/27/13 13:46	
4-Nitroaniline	ug/L	ND	2.5	03/27/13 13:46	
4-Nitrophenol	ug/L	ND	1.0	03/27/13 13:46	
Acenaphthene	ug/L	ND	1.0	03/27/13 13:46	
Acenaphthylene	ug/L	ND	1.0	03/27/13 13:46	
Anthracene	ug/L	ND	1.0	03/27/13 13:46	
Azobenzene	ug/L	ND	1.0	03/27/13 13:46	N2
Benzo(a)anthracene	ug/L	ND	1.0	03/27/13 13:46	
Benzo(a)pyrene	ug/L	ND	1.0	03/27/13 13:46	
Benzo(b)fluoranthene	ug/L	ND	1.0	03/27/13 13:46	
Benzo(g,h,i)perylene	ug/L	ND	1.0	03/27/13 13:46	
Benzo(k)fluoranthene	ug/L	ND	1.0	03/27/13 13:46	
Benzoic acid	ug/L	ND	100	03/27/13 13:46	
Benzyl alcohol	ug/L	ND	1.0	03/27/13 13:46	
bis(2-Chloroethoxy)methane	ug/L	ND	1.0	03/27/13 13:46	
bis(2-Chloroethyl) ether	ug/L	ND	1.0	03/27/13 13:46	
bis(2-Chloroisopropyl) ether	ug/L	ND	1.0	03/27/13 13:46	
bis(2-Ethylhexyl)phthalate	ug/L	ND	1.0	03/27/13 13:46	

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QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

METHOD BLANK: 559055

Matrix: Water

Associated Lab Samples: 3090074001, 3090074005, 3090074007, 3090074009, 3090074010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Butylbenzylphthalate	ug/L	ND	1.0	03/27/13 13:46	
Carbazole	ug/L	ND	1.0	03/27/13 13:46	
Chrysene	ug/L	ND	1.0	03/27/13 13:46	
Di-n-butylphthalate	ug/L	ND	1.0	03/27/13 13:46	
Di-n-octylphthalate	ug/L	ND	1.0	03/27/13 13:46	
Dibenz(a,h)anthracene	ug/L	ND	1.0	03/27/13 13:46	
Dibenzofuran	ug/L	ND	1.0	03/27/13 13:46	
Diethylphthalate	ug/L	ND	1.0	03/27/13 13:46	
Dimethylphthalate	ug/L	ND	1.0	03/27/13 13:46	
Fluoranthene	ug/L	ND	1.0	03/27/13 13:46	
Fluorene	ug/L	ND	1.0	03/27/13 13:46	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	03/27/13 13:46	
Hexachlorobenzene	ug/L	ND	1.0	03/27/13 13:46	
Hexachlorocyclopentadiene	ug/L	ND	1.0	03/27/13 13:46	
Hexachloroethane	ug/L	ND	1.0	03/27/13 13:46	
Indeno(1,2,3-cd)pyrene	ug/L	ND	1.0	03/27/13 13:46	
Isophorone	ug/L	ND	1.0	03/27/13 13:46	
N-Nitroso-di-n-propylamine	ug/L	ND	1.0	03/27/13 13:46	
N-Nitrosodimethylamine	ug/L	ND	1.0	03/27/13 13:46	
N-Nitrosodiphenylamine	ug/L	ND	1.0	03/27/13 13:46	
Naphthalene	ug/L	ND	1.0	03/27/13 13:46	
Nitrobenzene	ug/L	ND	1.0	03/27/13 13:46	
Pentachlorophenol	ug/L	ND	2.5	03/27/13 13:46	
Phenanthrene	ug/L	ND	1.0	03/27/13 13:46	
Phenol	ug/L	ND	1.0	03/27/13 13:46	
Pyrene	ug/L	ND	1.0	03/27/13 13:46	
2,4,6-Tribromophenol (S)	%	58	10-123	03/27/13 13:46	
2-Fluorobiphenyl (S)	%	61	43-116	03/27/13 13:46	
2-Fluorophenol (S)	%	34	21-110	03/27/13 13:46	
Nitrobenzene-d5 (S)	%	54	35-114	03/27/13 13:46	
Phenol-d6 (S)	%	22	10-110	03/27/13 13:46	
Terphenyl-d14 (S)	%	108	33-141	03/27/13 13:46	

LABORATORY CONTROL SAMPLE: 559056

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	5	3.2	64	12-105	
1,2-Dichlorobenzene	ug/L		3.2			
1,3-Dichlorobenzene	ug/L		3.3			
1,4-Dichlorobenzene	ug/L	5	3.3	65	10-95	
1-Methylnaphthalene	ug/L	5	4.2	84	15-106	N2
2,4-Dinitrotoluene	ug/L	5	3.1	62	10-133	
2,6-Dinitrotoluene	ug/L		2.2			
2-Chlorophenol	ug/L	5	3.4	67	10-111	
2-Methylnaphthalene	ug/L	5	3.6	73	10-98	

Date: 04/01/2013 01:12 PM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

LABORATORY CONTROL SAMPLE: 559056

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Chloro-3-methylphenol	ug/L	5	3.7	75	10-129	
4-Nitrophenol	ug/L	5	1.5	30	10-54	
Acenaphthene	ug/L	5	3.9	78	12-123	
Acenaphthylene	ug/L	5	4.0	80	11-131	
Anthracene	ug/L	5	3.9	79	11-135	
Benzo(a)anthracene	ug/L	5	4.4	88	24-138	
Benzo(a)pyrene	ug/L	5	3.8	75	20-136	
Benzo(b)fluoranthene	ug/L	5	4.4	87	19-147	
Benzo(g,h,i)perylene	ug/L	5	4.1	81	11-156	
Benzo(k)fluoranthene	ug/L	5	4.8	95	22-154	
bis(2-Ethylhexyl)phthalate	ug/L		.61J			
Carbazole	ug/L		.56J			
Chrysene	ug/L	5	4.4	88	14-158	
Dibenz(a,h)anthracene	ug/L	5	3.7	75	13-154	
Fluoranthene	ug/L	5	4.3	86	20-135	
Fluorene	ug/L	5	4.1	82	11-128	
Indeno(1,2,3-cd)pyrene	ug/L	5	3.8	77	15-148	
N-Nitroso-di-n-propylamine	ug/L	5	4.0	79	10-136	
Naphthalene	ug/L	5	4.2	85	12-116	
Pentachlorophenol	ug/L	5	3.6	73	13-129	
Phenanthrene	ug/L	5	3.9	77	13-134	
Phenol	ug/L	5	1.4	28	10-47	
Pyrene	ug/L	5	4.4	87	10-158	
2,4,6-Tribromophenol (S)	%			74	10-123	
2-Fluorobiphenyl (S)	%			76	43-116	
2-Fluorophenol (S)	%			39	21-110	
Nitrobenzene-d5 (S)	%			58	35-114	
Phenol-d6 (S)	%			31	10-110	
Terphenyl-d14 (S)	%			100	33-141	

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

QC Batch: WET/17617

Analysis Method: EPA 180.1

QC Batch Method: EPA 180.1

Analysis Description: 180.1 Turbidity

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

METHOD BLANK: 557722

Matrix: Water

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Turbidity	NTU	ND	0.10	03/22/13 18:39	

LABORATORY CONTROL SAMPLE: 557723

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Turbidity	NTU	8	8.0	100	85-115	

SAMPLE DUPLICATE: 557724

Parameter	Units	3090074019 Result	Dup Result	RPD	Qualifiers
Turbidity	NTU	0.31	0.30	3	

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

QC Batch: WET/17709

Analysis Method: SM 2320B

QC Batch Method: SM 2320B

Analysis Description: 2320B Alkalinity

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

METHOD BLANK: 560040

Matrix: Water

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	03/28/13 13:30	

LABORATORY CONTROL SAMPLE: 560041

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	20	20.0	100	85-115	

MATRIX SPIKE SAMPLE: 560042

Parameter	Units	3090074001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	188	100	284	96	80-120	

SAMPLE DUPLICATE: 560043

Parameter	Units	3090074001 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	188	192	2	

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

QC Batch: WET/17637

Analysis Method: SM 2540C

QC Batch Method: SM 2540C

Analysis Description: 2540C Total Dissolved Solids

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

METHOD BLANK: 558623

Matrix: Water

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	03/25/13 14:50	

LABORATORY CONTROL SAMPLE: 558624

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	1000	996	100	85-115	

SAMPLE DUPLICATE: 558625

Parameter	Units	3090109001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	928	888	4	

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

QC Batch: WET/17658

Analysis Method: EPA 9050

QC Batch Method: EPA 9050

Analysis Description: 9050 Specific Conductance

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008

METHOD BLANK: 558948

Matrix: Water

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Specific Conductance	umhos/cm	ND	1.0	03/28/13 16:20	

LABORATORY CONTROL SAMPLE: 558949

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Specific Conductance	umhos/cm	1410	1470	104	85-115	

SAMPLE DUPLICATE: 558950

Parameter	Units	3089979001 Result	Dup Result	RPD	Qualifiers
Specific Conductance	umhos/cm	764	769	.7	

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

QC Batch: WET/17659

Analysis Method: EPA 9050

QC Batch Method: EPA 9050

Analysis Description: 9050 Specific Conductance

Associated Lab Samples: 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

METHOD BLANK: 558951

Matrix: Water

Associated Lab Samples: 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Specific Conductance	umhos/cm	ND	1.0	03/29/13 13:30	

LABORATORY CONTROL SAMPLE: 558952

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Specific Conductance	umhos/cm	1410	1450	103	85-115	

SAMPLE DUPLICATE: 558953

Parameter	Units	3089813001 Result	Dup Result	RPD	Qualifiers
Specific Conductance	umhos/cm	456	454	.4	

QUALITY CONTROL DATA

Project: Grey's Landfill
Pace Project No.: 3090074

QC Batch: WETA/12267 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

METHOD BLANK: 560045 Matrix: Water

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	03/28/13 09:59	

LABORATORY CONTROL SAMPLE: 560046

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	4	4.0	100	85-115	

MATRIX SPIKE SAMPLE: 560047

Parameter	Units	3089959002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2.1	4	5.8	93	85-115	

SAMPLE DUPLICATE: 560048

Parameter	Units	3089959002 Result	Dup Result	RPD	Qualifiers
Nitrogen, Ammonia	mg/L	2.1	2.1	3	

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

QC Batch: WETA/12272 Analysis Method: EPA 410.4

QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004

METHOD BLANK: 560199 Matrix: Water

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	25.0	03/28/13 08:40	

METHOD BLANK: 560203 Matrix: Water

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	25.0	03/28/13 08:40	

LABORATORY CONTROL SAMPLE: 560200

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	300	310	103	90-110	

MATRIX SPIKE SAMPLE: 560201

Parameter	Units	3089979001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	18.2	150	162	96	90-110	

SAMPLE DUPLICATE: 560202

Parameter	Units	3089979001 Result	Dup Result	RPD	Qualifiers
Chemical Oxygen Demand	mg/L	18.2	18.2J		

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

QC Batch: WETA/12273 Analysis Method: EPA 410.4
 QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
 Associated Lab Samples: 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

METHOD BLANK: 560206 Matrix: Water
 Associated Lab Samples: 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	25.0	03/28/13 11:30	

LABORATORY CONTROL SAMPLE: 560207

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	300	316	105	90-110	

MATRIX SPIKE SAMPLE: 560208

Parameter	Units	3090074006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	140	150	268	86	90-110	M1

SAMPLE DUPLICATE: 560209

Parameter	Units	3090074006 Result	Dup Result	RPD	Qualifiers
Chemical Oxygen Demand	mg/L	140	133	5	

QUALITY CONTROL DATA

Project: Grey's Landfill
Pace Project No.: 3090074

QC Batch: WETA/12240 Analysis Method: SM 4500-Cl-E
QC Batch Method: SM 4500-Cl-E Analysis Description: 4500 Chloride
Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074018

METHOD BLANK: 559045 Matrix: Water
Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	3.0	03/26/13 14:28	

METHOD BLANK: 559046 Matrix: Water
Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	3.0	03/26/13 14:29	

LABORATORY CONTROL SAMPLE: 559047

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	40	39.0	98	85-115	

MATRIX SPIKE SAMPLE: 559048

Parameter	Units	3089765002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	ND	20	22.3	103	85-115	

SAMPLE DUPLICATE: 559049

Parameter	Units	3089765002 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	ND	1.7J		

QUALITY CONTROL DATA

Project: Grey's Landfill
Pace Project No.: 3090074

QC Batch: WETA/12268 Analysis Method: SM 4500-Cl-E
QC Batch Method: SM 4500-Cl-E Analysis Description: 4500 Chloride
Associated Lab Samples: 3090074017, 3090074019

METHOD BLANK: 560051 Matrix: Water

Associated Lab Samples: 3090074017, 3090074019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	3.0	03/28/13 12:45	

LABORATORY CONTROL SAMPLE: 560052

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	40	39.6	99	85-115	

MATRIX SPIKE SAMPLE: 560053

Parameter	Units	3090074017 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	31.7	20	45.3	68	85-115	M1

SAMPLE DUPLICATE: 560054

Parameter	Units	3090074017 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	31.7	31.4	.9	

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

QC Batch: WETA/12265

Analysis Method: ASTM D516-90,02

QC Batch Method: ASTM D516-90,02

Analysis Description: ASTM D516-9002 Sulfate Water

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

METHOD BLANK: 560023

Matrix: Water

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	ND	10.0	03/28/13 12:26	

LABORATORY CONTROL SAMPLE: 560024

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	30	28.9	96	85-115	

MATRIX SPIKE SAMPLE: 560025

Parameter	Units	3090074002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	77.5	20	92.5	75	85-115	M1

SAMPLE DUPLICATE: 560026

Parameter	Units	3090074002 Result	Dup Result	RPD	Qualifiers
Sulfate	mg/L	77.5	85.6	10	

QUALITY CONTROL DATA

Project: Grey's Landfill
Pace Project No.: 3090074

QC Batch: WETA/12209 Analysis Method: SM 4500-NO2 B
QC Batch Method: SM 4500-NO2 B Analysis Description: SM4500NO2-B, Nitrite, unpres
Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

METHOD BLANK: 557732 Matrix: Water
Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	ND	0.010	03/22/13 20:39	

METHOD BLANK: 557733 Matrix: Water
Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	ND	0.010	03/22/13 20:40	

LABORATORY CONTROL SAMPLE: 557734

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	.1	0.11	106	85-115	

MATRIX SPIKE SAMPLE: 557736

Parameter	Units	3090074019 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	0.53	.1	0.60	76	85-115	M3

SAMPLE DUPLICATE: 557735

Parameter	Units	3090074019 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	0.53	0.53	.6	

QUALITY CONTROL DATA

Project: Grey's Landfill
Pace Project No.: 3090074

QC Batch: WETA/12270 Analysis Method: SM 4500-NO3 F
QC Batch Method: SM 4500-NO3 F Analysis Description: SM4500NO3-F, Nitrate, Preserved
Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

METHOD BLANK: 560061 Matrix: Water

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	ND	0.10	03/28/13 07:36	

LABORATORY CONTROL SAMPLE: 560062

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	4	3.9	99	85-115	

MATRIX SPIKE SAMPLE: 560063

Parameter	Units	3090074001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	ND	5	4.5	89	85-115	

SAMPLE DUPLICATE: 560064

Parameter	Units	3090074001 Result	Dup Result	RPD	Qualifiers
Nitrate as N	mg/L	ND	ND		

QUALIFIERS

Project: Grey's Landfill

Pace Project No.: 3090074

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

PASI-PA Pace Analytical Services - Greensburg

BATCH QUALIFIERS

Batch: OEXT/14600

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

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

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

L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

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

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

M3 Matrix spike recovery was outside laboratory control limits due to matrix interferences.

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

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

P8 Analyte was detected in the method blank. All associated samples had concentrations of at least ten times greater than the blank or were below the reporting limit.

S4 Surrogate recovery not evaluated against control limits due to sample dilution.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Grey's Landfill

Pace Project No.: 3090074

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3090074001	GL-09 (-2)	SM 2340B	ICP/9778		
3090074002	GL-09 (-20)	SM 2340B	ICP/9778		
3090074003	GL-03 (-16)	SM 2340B	ICP/9778		
3090074004	GL-03 (-3)	SM 2340B	ICP/9778		
3090074005	GL-18 (-3)	SM 2340B	ICP/9778		
3090074006	GL-18 (-33)	SM 2340B	ICP/9778		
3090074007	GL-20 (-5)	SM 2340B	ICP/9778		
3090074008	TS-01 (-7)	SM 2340B	ICP/9778		
3090074009	GL-17 (-31)	SM 2340B	ICP/9778		
3090074010	GL-17 (-1)	SM 2340B	ICP/9778		
3090074011	GL-02 (-29)	SM 2340B	ICP/9778		
3090074013	GL-16 (-6)	SM 2340B	ICP/9778		
3090074014	GL-16 (-32)	SM 2340B	ICP/9778		
3090074015	GL-05 (-25)	SM 2340B	ICP/9778		
3090074016	GL-05 (-7)	SM 2340B	ICP/9778		
3090074017	GL-15 (-36)	SM 2340B	ICP/9778		
3090074018	GL-15 (-6)	SM 2340B	ICP/9778		
3090074019	GL-19	SM 2340B	ICP/9778		
3090074001	GL-09 (-2)	EPA 3020	MPRP/38187	EPA 6020	ICPM/15635
3090074002	GL-09 (-20)	EPA 3020	MPRP/38164	EPA 6020	ICPM/15624
3090074003	GL-03 (-16)	EPA 3020	MPRP/38164	EPA 6020	ICPM/15624
3090074004	GL-03 (-3)	EPA 3020	MPRP/38164	EPA 6020	ICPM/15624
3090074005	GL-18 (-3)	EPA 3020	MPRP/38164	EPA 6020	ICPM/15624
3090074006	GL-18 (-33)	EPA 3020	MPRP/38164	EPA 6020	ICPM/15624
3090074007	GL-20 (-5)	EPA 3020	MPRP/38164	EPA 6020	ICPM/15624
3090074008	TS-01 (-7)	EPA 3020	MPRP/38164	EPA 6020	ICPM/15624
3090074009	GL-17 (-31)	EPA 3020	MPRP/38164	EPA 6020	ICPM/15624
3090074010	GL-17 (-1)	EPA 3020	MPRP/38164	EPA 6020	ICPM/15624
3090074011	GL-02 (-29)	EPA 3020	MPRP/38164	EPA 6020	ICPM/15624
3090074013	GL-16 (-6)	EPA 3020	MPRP/38164	EPA 6020	ICPM/15624
3090074014	GL-16 (-32)	EPA 3020	MPRP/38164	EPA 6020	ICPM/15624
3090074015	GL-05 (-25)	EPA 3020	MPRP/38164	EPA 6020	ICPM/15624
3090074016	GL-05 (-7)	EPA 3020	MPRP/38164	EPA 6020	ICPM/15624
3090074017	GL-15 (-36)	EPA 3020	MPRP/38164	EPA 6020	ICPM/15624
3090074018	GL-15 (-6)	EPA 3020	MPRP/38164	EPA 6020	ICPM/15624
3090074019	GL-19	EPA 3020	MPRP/38164	EPA 6020	ICPM/15624
3090074001	GL-09 (-2)	EPA 7470	MERP/8179	EPA 7470	MERC/9244
3090074002	GL-09 (-20)	EPA 7470	MERP/8179	EPA 7470	MERC/9244
3090074003	GL-03 (-16)	EPA 7470	MERP/8179	EPA 7470	MERC/9244
3090074004	GL-03 (-3)	EPA 7470	MERP/8179	EPA 7470	MERC/9244
3090074005	GL-18 (-3)	EPA 7470	MERP/8179	EPA 7470	MERC/9244
3090074006	GL-18 (-33)	EPA 7470	MERP/8179	EPA 7470	MERC/9244
3090074007	GL-20 (-5)	EPA 7470	MERP/8179	EPA 7470	MERC/9244
3090074008	TS-01 (-7)	EPA 7470	MERP/8179	EPA 7470	MERC/9244
3090074009	GL-17 (-31)	EPA 7470	MERP/8179	EPA 7470	MERC/9244
3090074010	GL-17 (-1)	EPA 7470	MERP/8179	EPA 7470	MERC/9244
3090074011	GL-02 (-29)	EPA 7470	MERP/8179	EPA 7470	MERC/9244

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Grey's Landfill
Pace Project No.: 3090074

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3090074013	GL-16 (-6)	EPA 7470	MERP/8179	EPA 7470	MERC/9244
3090074014	GL-16 (-32)	EPA 7470	MERP/8179	EPA 7470	MERC/9244
3090074015	GL-05 (-25)	EPA 7470	MERP/8179	EPA 7470	MERC/9244
3090074016	GL-05 (-7)	EPA 7470	MERP/8179	EPA 7470	MERC/9244
3090074017	GL-15 (-36)	EPA 7470	MERP/8179	EPA 7470	MERC/9244
3090074018	GL-15 (-6)	EPA 7470	MERP/8179	EPA 7470	MERC/9244
3090074019	GL-19	EPA 7470	MERP/8179	EPA 7470	MERC/9244
3090074001	GL-09 (-2)	EPA 3510	OEXT/14600	EPA 8270	MSSV/4960
3090074005	GL-18 (-3)	EPA 3510	OEXT/14600	EPA 8270	MSSV/4960
3090074007	GL-20 (-5)	EPA 3510	OEXT/14600	EPA 8270	MSSV/4960
3090074009	GL-17 (-31)	EPA 3510	OEXT/14600	EPA 8270	MSSV/4960
3090074010	GL-17 (-1)	EPA 3510	OEXT/14600	EPA 8270	MSSV/4960
3090074001	GL-09 (-2)	EPA 8260	MSV/15654		
3090074002	GL-09 (-20)	EPA 8260	MSV/15654		
3090074003	GL-03 (-16)	EPA 8260	MSV/15654		
3090074004	GL-03 (-3)	EPA 8260	MSV/15654		
3090074005	GL-18 (-3)	EPA 8260	MSV/15654		
3090074006	GL-18 (-33)	EPA 8260	MSV/15654		
3090074007	GL-20 (-5)	EPA 8260	MSV/15654		
3090074008	TS-01 (-7)	EPA 8260	MSV/15654		
3090074009	GL-17 (-31)	EPA 8260	MSV/15662		
3090074010	GL-17 (-1)	EPA 8260	MSV/15662		
3090074011	GL-02 (-29)	EPA 8260	MSV/15662		
3090074012	GL-02 (-5)	EPA 8260	MSV/15662		
3090074013	GL-16 (-6)	EPA 8260	MSV/15662		
3090074014	GL-16 (-32)	EPA 8260	MSV/15662		
3090074015	GL-05 (-25)	EPA 8260	MSV/15662		
3090074016	GL-05 (-7)	EPA 8260	MSV/15662		
3090074017	GL-15 (-36)	EPA 8260	MSV/15662		
3090074018	GL-15 (-6)	EPA 8260	MSV/15662		
3090074019	GL-19	EPA 8260	MSV/15662		
3090074001	GL-09 (-2)	EPA 180.1	WET/17617		
3090074002	GL-09 (-20)	EPA 180.1	WET/17617		
3090074003	GL-03 (-16)	EPA 180.1	WET/17617		
3090074004	GL-03 (-3)	EPA 180.1	WET/17617		
3090074005	GL-18 (-3)	EPA 180.1	WET/17617		
3090074006	GL-18 (-33)	EPA 180.1	WET/17617		
3090074007	GL-20 (-5)	EPA 180.1	WET/17617		
3090074008	TS-01 (-7)	EPA 180.1	WET/17617		
3090074009	GL-17 (-31)	EPA 180.1	WET/17617		
3090074010	GL-17 (-1)	EPA 180.1	WET/17617		
3090074011	GL-02 (-29)	EPA 180.1	WET/17617		
3090074013	GL-16 (-6)	EPA 180.1	WET/17617		
3090074014	GL-16 (-32)	EPA 180.1	WET/17617		
3090074015	GL-05 (-25)	EPA 180.1	WET/17617		
3090074016	GL-05 (-7)	EPA 180.1	WET/17617		
3090074017	GL-15 (-36)	EPA 180.1	WET/17617		

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Grey's Landfill

Pace Project No.: 3090074

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3090074018	GL-15 (-6)	EPA 180.1	WET/17617		
3090074019	GL-19	EPA 180.1	WET/17617		
3090074001	GL-09 (-2)	SM 2320B	WET/17709		
3090074002	GL-09 (-20)	SM 2320B	WET/17709		
3090074003	GL-03 (-16)	SM 2320B	WET/17709		
3090074004	GL-03 (-3)	SM 2320B	WET/17709		
3090074005	GL-18 (-3)	SM 2320B	WET/17709		
3090074006	GL-18 (-33)	SM 2320B	WET/17709		
3090074007	GL-20 (-5)	SM 2320B	WET/17709		
3090074008	TS-01 (-7)	SM 2320B	WET/17709		
3090074009	GL-17 (-31)	SM 2320B	WET/17709		
3090074010	GL-17 (-1)	SM 2320B	WET/17709		
3090074011	GL-02 (-29)	SM 2320B	WET/17709		
3090074013	GL-16 (-6)	SM 2320B	WET/17709		
3090074014	GL-16 (-32)	SM 2320B	WET/17709		
3090074015	GL-05 (-25)	SM 2320B	WET/17709		
3090074016	GL-05 (-7)	SM 2320B	WET/17709		
3090074017	GL-15 (-36)	SM 2320B	WET/17709		
3090074018	GL-15 (-6)	SM 2320B	WET/17709		
3090074019	GL-19	SM 2320B	WET/17709		
3090074001	GL-09 (-2)	SM 2540C	WET/17637		
3090074002	GL-09 (-20)	SM 2540C	WET/17637		
3090074003	GL-03 (-16)	SM 2540C	WET/17637		
3090074004	GL-03 (-3)	SM 2540C	WET/17637		
3090074005	GL-18 (-3)	SM 2540C	WET/17637		
3090074006	GL-18 (-33)	SM 2540C	WET/17637		
3090074007	GL-20 (-5)	SM 2540C	WET/17637		
3090074008	TS-01 (-7)	SM 2540C	WET/17637		
3090074009	GL-17 (-31)	SM 2540C	WET/17637		
3090074010	GL-17 (-1)	SM 2540C	WET/17637		
3090074011	GL-02 (-29)	SM 2540C	WET/17637		
3090074013	GL-16 (-6)	SM 2540C	WET/17637		
3090074014	GL-16 (-32)	SM 2540C	WET/17637		
3090074015	GL-05 (-25)	SM 2540C	WET/17637		
3090074016	GL-05 (-7)	SM 2540C	WET/17637		
3090074017	GL-15 (-36)	SM 2540C	WET/17637		
3090074018	GL-15 (-6)	SM 2540C	WET/17637		
3090074019	GL-19	SM 2540C	WET/17637		
3090074001	GL-09 (-2)	SM 4500-H+B	WET/17624		
3090074002	GL-09 (-20)	SM 4500-H+B	WET/17624		
3090074003	GL-03 (-16)	SM 4500-H+B	WET/17624		
3090074004	GL-03 (-3)	SM 4500-H+B	WET/17624		
3090074005	GL-18 (-3)	SM 4500-H+B	WET/17624		
3090074006	GL-18 (-33)	SM 4500-H+B	WET/17624		
3090074007	GL-20 (-5)	SM 4500-H+B	WET/17624		
3090074008	TS-01 (-7)	SM 4500-H+B	WET/17624		
3090074009	GL-17 (-31)	SM 4500-H+B	WET/17624		

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Grey's Landfill

Pace Project No.: 3090074

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3090074010	GL-17 (-1)	SM 4500-H+B	WET/17624		
3090074011	GL-02 (-29)	SM 4500-H+B	WET/17624		
3090074013	GL-16 (-6)	SM 4500-H+B	WET/17624		
3090074014	GL-16 (-32)	SM 4500-H+B	WET/17624		
3090074015	GL-05 (-25)	SM 4500-H+B	WET/17624		
3090074016	GL-05 (-7)	SM 4500-H+B	WET/17624		
3090074017	GL-15 (-36)	SM 4500-H+B	WET/17624		
3090074018	GL-15 (-6)	SM 4500-H+B	WET/17624		
3090074019	GL-19	SM 4500-H+B	WET/17624		
3090074001	GL-09 (-2)	EPA 9050	WET/17658		
3090074002	GL-09 (-20)	EPA 9050	WET/17658		
3090074003	GL-03 (-16)	EPA 9050	WET/17658		
3090074004	GL-03 (-3)	EPA 9050	WET/17658		
3090074005	GL-18 (-3)	EPA 9050	WET/17658		
3090074006	GL-18 (-33)	EPA 9050	WET/17658		
3090074007	GL-20 (-5)	EPA 9050	WET/17658		
3090074008	TS-01 (-7)	EPA 9050	WET/17658		
3090074009	GL-17 (-31)	EPA 9050	WET/17659		
3090074010	GL-17 (-1)	EPA 9050	WET/17659		
3090074011	GL-02 (-29)	EPA 9050	WET/17659		
3090074013	GL-16 (-6)	EPA 9050	WET/17659		
3090074014	GL-16 (-32)	EPA 9050	WET/17659		
3090074015	GL-05 (-25)	EPA 9050	WET/17659		
3090074016	GL-05 (-7)	EPA 9050	WET/17659		
3090074017	GL-15 (-36)	EPA 9050	WET/17659		
3090074018	GL-15 (-6)	EPA 9050	WET/17659		
3090074019	GL-19	EPA 9050	WET/17659		
3090074001	GL-09 (-2)	EPA 350.1	WETA/12267		
3090074002	GL-09 (-20)	EPA 350.1	WETA/12267		
3090074003	GL-03 (-16)	EPA 350.1	WETA/12267		
3090074004	GL-03 (-3)	EPA 350.1	WETA/12267		
3090074005	GL-18 (-3)	EPA 350.1	WETA/12267		
3090074006	GL-18 (-33)	EPA 350.1	WETA/12267		
3090074007	GL-20 (-5)	EPA 350.1	WETA/12267		
3090074008	TS-01 (-7)	EPA 350.1	WETA/12267		
3090074009	GL-17 (-31)	EPA 350.1	WETA/12267		
3090074010	GL-17 (-1)	EPA 350.1	WETA/12267		
3090074011	GL-02 (-29)	EPA 350.1	WETA/12267		
3090074013	GL-16 (-6)	EPA 350.1	WETA/12267		
3090074014	GL-16 (-32)	EPA 350.1	WETA/12267		
3090074015	GL-05 (-25)	EPA 350.1	WETA/12267		
3090074016	GL-05 (-7)	EPA 350.1	WETA/12267		
3090074017	GL-15 (-36)	EPA 350.1	WETA/12267		
3090074018	GL-15 (-6)	EPA 350.1	WETA/12267		
3090074019	GL-19	EPA 350.1	WETA/12267		
3090074001	GL-09 (-2)	EPA 410.4	WETA/12272		
3090074002	GL-09 (-20)	EPA 410.4	WETA/12272		

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Grey's Landfill

Pace Project No.: 3090074

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3090074003	GL-03 (-16)	EPA 410.4	WETA/12272		
3090074004	GL-03 (-3)	EPA 410.4	WETA/12272		
3090074005	GL-18 (-3)	EPA 410.4	WETA/12273		
3090074006	GL-18 (-33)	EPA 410.4	WETA/12273		
3090074007	GL-20 (-5)	EPA 410.4	WETA/12273		
3090074008	TS-01 (-7)	EPA 410.4	WETA/12273		
3090074009	GL-17 (-31)	EPA 410.4	WETA/12273		
3090074010	GL-17 (-1)	EPA 410.4	WETA/12273		
3090074011	GL-02 (-29)	EPA 410.4	WETA/12273		
3090074013	GL-16 (-6)	EPA 410.4	WETA/12273		
3090074014	GL-16 (-32)	EPA 410.4	WETA/12273		
3090074015	GL-05 (-25)	EPA 410.4	WETA/12273		
3090074016	GL-05 (-7)	EPA 410.4	WETA/12273		
3090074017	GL-15 (-36)	EPA 410.4	WETA/12273		
3090074018	GL-15 (-6)	EPA 410.4	WETA/12273		
3090074019	GL-19	EPA 410.4	WETA/12273		
3090074001	GL-09 (-2)	SM 4500-CI-E	WETA/12240		
3090074002	GL-09 (-20)	SM 4500-CI-E	WETA/12240		
3090074003	GL-03 (-16)	SM 4500-CI-E	WETA/12240		
3090074004	GL-03 (-3)	SM 4500-CI-E	WETA/12240		
3090074005	GL-18 (-3)	SM 4500-CI-E	WETA/12240		
3090074006	GL-18 (-33)	SM 4500-CI-E	WETA/12240		
3090074007	GL-20 (-5)	SM 4500-CI-E	WETA/12240		
3090074008	TS-01 (-7)	SM 4500-CI-E	WETA/12240		
3090074009	GL-17 (-31)	SM 4500-CI-E	WETA/12240		
3090074010	GL-17 (-1)	SM 4500-CI-E	WETA/12240		
3090074011	GL-02 (-29)	SM 4500-CI-E	WETA/12240		
3090074013	GL-16 (-6)	SM 4500-CI-E	WETA/12240		
3090074014	GL-16 (-32)	SM 4500-CI-E	WETA/12240		
3090074015	GL-05 (-25)	SM 4500-CI-E	WETA/12240		
3090074016	GL-05 (-7)	SM 4500-CI-E	WETA/12240		
3090074017	GL-15 (-36)	SM 4500-CI-E	WETA/12268		
3090074018	GL-15 (-6)	SM 4500-CI-E	WETA/12240		
3090074019	GL-19	SM 4500-CI-E	WETA/12268		
3090074001	GL-09 (-2)	ASTM D516-90,02	WETA/12265		
3090074002	GL-09 (-20)	ASTM D516-90,02	WETA/12265		
3090074003	GL-03 (-16)	ASTM D516-90,02	WETA/12265		
3090074004	GL-03 (-3)	ASTM D516-90,02	WETA/12265		
3090074005	GL-18 (-3)	ASTM D516-90,02	WETA/12265		
3090074006	GL-18 (-33)	ASTM D516-90,02	WETA/12265		
3090074007	GL-20 (-5)	ASTM D516-90,02	WETA/12265		
3090074008	TS-01 (-7)	ASTM D516-90,02	WETA/12265		
3090074009	GL-17 (-31)	ASTM D516-90,02	WETA/12265		
3090074010	GL-17 (-1)	ASTM D516-90,02	WETA/12265		
3090074011	GL-02 (-29)	ASTM D516-90,02	WETA/12265		
3090074013	GL-16 (-6)	ASTM D516-90,02	WETA/12265		

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Grey's Landfill

Pace Project No.: 3090074

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3090074014	GL-16 (-32)	ASTM D516-90,02	WETA/12265		
3090074015	GL-05 (-25)	ASTM D516-90,02	WETA/12265		
3090074016	GL-05 (-7)	ASTM D516-90,02	WETA/12265		
3090074017	GL-15 (-36)	ASTM D516-90,02	WETA/12265		
3090074018	GL-15 (-6)	ASTM D516-90,02	WETA/12265		
3090074019	GL-19	ASTM D516-90,02	WETA/12265		
3090074001	GL-09 (-2)	SM 4500-NO2 B	WETA/12209		
3090074002	GL-09 (-20)	SM 4500-NO2 B	WETA/12209		
3090074003	GL-03 (-16)	SM 4500-NO2 B	WETA/12209		
3090074004	GL-03 (-3)	SM 4500-NO2 B	WETA/12209		
3090074005	GL-18 (-3)	SM 4500-NO2 B	WETA/12209		
3090074006	GL-18 (-33)	SM 4500-NO2 B	WETA/12209		
3090074007	GL-20 (-5)	SM 4500-NO2 B	WETA/12209		
3090074008	TS-01 (-7)	SM 4500-NO2 B	WETA/12209		
3090074009	GL-17 (-31)	SM 4500-NO2 B	WETA/12209		
3090074010	GL-17 (-1)	SM 4500-NO2 B	WETA/12209		
3090074011	GL-02 (-29)	SM 4500-NO2 B	WETA/12209		
3090074013	GL-16 (-6)	SM 4500-NO2 B	WETA/12209		
3090074014	GL-16 (-32)	SM 4500-NO2 B	WETA/12209		
3090074015	GL-05 (-25)	SM 4500-NO2 B	WETA/12209		
3090074016	GL-05 (-7)	SM 4500-NO2 B	WETA/12209		
3090074017	GL-15 (-36)	SM 4500-NO2 B	WETA/12209		
3090074018	GL-15 (-6)	SM 4500-NO2 B	WETA/12209		
3090074019	GL-19	SM 4500-NO2 B	WETA/12209		
3090074001	GL-09 (-2)	SM 4500-NO3 F	WETA/12270		
3090074002	GL-09 (-20)	SM 4500-NO3 F	WETA/12270		
3090074003	GL-03 (-16)	SM 4500-NO3 F	WETA/12270		
3090074004	GL-03 (-3)	SM 4500-NO3 F	WETA/12270		
3090074005	GL-18 (-3)	SM 4500-NO3 F	WETA/12270		
3090074006	GL-18 (-33)	SM 4500-NO3 F	WETA/12270		
3090074007	GL-20 (-5)	SM 4500-NO3 F	WETA/12270		
3090074008	TS-01 (-7)	SM 4500-NO3 F	WETA/12270		
3090074009	GL-17 (-31)	SM 4500-NO3 F	WETA/12270		
3090074010	GL-17 (-1)	SM 4500-NO3 F	WETA/12270		
3090074011	GL-02 (-29)	SM 4500-NO3 F	WETA/12270		
3090074013	GL-16 (-6)	SM 4500-NO3 F	WETA/12270		
3090074014	GL-16 (-32)	SM 4500-NO3 F	WETA/12270		
3090074015	GL-05 (-25)	SM 4500-NO3 F	WETA/12270		
3090074016	GL-05 (-7)	SM 4500-NO3 F	WETA/12270		
3090074017	GL-15 (-36)	SM 4500-NO3 F	WETA/12270		
3090074018	GL-15 (-6)	SM 4500-NO3 F	WETA/12270		
3090074019	GL-19	SM 4500-NO3 F	WETA/12270		

March 29, 2013

Mr. James Calenda
ELT/Sparrows Point LLC
200 Harry S. Truman Pkwy
Suite 330
Annapolis, MD 21401

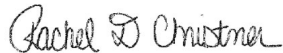
RE: Project: Grey's Landfill
Pace Project No.: 3089979

Dear Mr. Calenda:

Enclosed are the analytical results for sample(s) received by the laboratory on March 21, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Rachel Christner

rachel.christner@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Grey's Landfill

Pace Project No.: 3089979

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414

A2LA Certification #: 2926.01

Alaska Certification #: UST-078

Alaska Certification #MN00064

Arizona Certification #: AZ-0014

Arkansas Certification #: 88-0680

California Certification #: 01155CA

Colorado Certification #Pace

Connecticut Certification #: PH-0256

EPA Region 8 Certification #: Pace

Florida/NELAP Certification #: E87605

Georgia Certification #: 959

Hawaii Certification #Pace

Idaho Certification #: MN00064

Illinois Certification #: 200011

Kansas Certification #: E-10167

Louisiana Certification #: 03086

Louisiana Certification #: LA080009

Maine Certification #: 2007029

Maryland Certification #: 322

Michigan DEQ Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace

Montana Certification #: MT CERT0092

Nebraska Certification #: Pace

Nevada Certification #: MN_00064

New Jersey Certification #: MN-002

New York Certification #: 11647

North Carolina Certification #: 530

North Dakota Certification #: R-036

North Dakota Certification #: R-036A

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon Certification #: MN200001

Oregon Certification #: MN300001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification

Tennessee Certification #: 02818

Texas Certification #: T104704192

Utah Certification #: MN00064

Virginia/DCLS Certification #: 002521

Virginia/VELAP Certification #: 460163

Washington Certification #: C754

West Virginia Certification #: 382

Wisconsin Certification #: 999407970

Pennsylvania Certification IDs

1638 Roseytown Rd Suites 2,3&4 Greensburg, PA 15601

ACLASS DOD-ELAP Accreditation #: ADE-1544

Alabama Certification #: 41590

Arizona Certification #: AZ0734

Arkansas Certification

California/TNI Certification #: 04222CA

Colorado Certification

Connecticut Certification #: PH-0694

Delaware Certification

Florida/TNI Certification #: E87683

Guam/PADEP Certification

Hawaii/PADEP Certification

Idaho Certification

Illinois/PADEP Certification

Indiana/PADEP Certification

Iowa Certification #: 391

Kansas/TNI Certification #: E-10358

Kentucky Certification #: 90133

Louisiana/TNI Certification #: LA080002

Louisiana/TNI Certification #: 4086

Maine Certification #: PA0091

Maryland Certification #: 308

Massachusetts Certification #: M-PA1457

Michigan/PADEP Certification

Missouri Certification #: 235

Montana Certification #: Cert 0082

Nevada Certification

New Hampshire/TNI Certification #: 2976

New Jersey/TNI Certification #: PA 051

New Mexico Certification

New York/TNI Certification #: 10888

North Carolina Certification #: 42706

Oregon/TNI Certification #: PA200002

Pennsylvania/TNI Certification #: 65-00282

Puerto Rico Certification #: PA01457

South Dakota Certification

Tennessee Certification #: TN2867

Texas/TNI Certification #: T104704188

Utah/TNI Certification #: ANTE

Virgin Island/PADEP Certification

Virginia Certification #: 00112

Virginia/VELAP Certification #: 460198

Washington Certification #: C868

West Virginia Certification #: 143

Wisconsin/PADEP Certification

Wyoming Certification #: 8TMS-Q

REPORT OF LABORATORY ANALYSIS

SAMPLE ANALYTE COUNT

Project: Grey's Landfill

Pace Project No.: 3089979

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3089979001	GL-12 (-3)	SM 2340B	RTW	1	PASI-PA
		EPA 6020	TT3	21	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8260	DJL	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	CLP	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
		3089979002	GL-12 (-17)	SM 2340B	RTW
EPA 6020	TT3			21	PASI-M
EPA 7470	TEM			1	PASI-M
EPA 8260	DJL			51	PASI-PA
EPA 180.1	PAS			1	PASI-PA
SM 2320B	AMS			1	PASI-PA
SM 4500-H+B	JLS			1	PASI-PA
EPA 9050	CLP			1	PASI-PA
EPA 350.1	AMS			1	PASI-PA
EPA 410.4	DLH			1	PASI-PA
SM 4500-CI-E	AMS			1	PASI-PA
SM 4500-NO2 B	PAS			1	PASI-PA
SM 4500-NO3 F	AMS			1	PASI-PA
3089979003	GL-10 (-1)			SM 2340B	RTW
		EPA 6020	TT3	21	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8260	DJL	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	CLP	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

SAMPLE ANALYTE COUNT

Project: Grey's Landfill

Pace Project No.: 3089979

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3089979004	GL-10 (-31)	SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
		SM 2340B	RTW	1	PASI-PA
		EPA 6020	TT3	21	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8260	DJL	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	CLP	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
3089979005	GL-14 (-33)	SM 4500-NO3 F	AMS	1	PASI-PA
		SM 2340B	RTW	1	PASI-PA
		EPA 6020	TT3	21	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8260	DJL	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	CLP	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
3089979006	GL-14 (+1)	SM 2340B	RTW	1	PASI-PA
		EPA 6020	TT3	21	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8260	DJL	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	CLP	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

SAMPLE ANALYTE COUNT

Project: Grey's Landfill

Pace Project No.: 3089979

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory		
3089979007	GL-13 (+1)	EPA 410.4	DLH	1	PASI-PA		
		SM 4500-CI-E	AMS	1	PASI-PA		
		SM 4500-NO2 B	PAS	1	PASI-PA		
		SM 4500-NO3 F	AMS	1	PASI-PA		
		SM 2340B	RTW	1	PASI-PA		
		EPA 6020	TT3	21	PASI-M		
		EPA 7470	TEM	1	PASI-M		
		EPA 8260	DJL	51	PASI-PA		
		EPA 180.1	PAS	1	PASI-PA		
		SM 2320B	AMS	1	PASI-PA		
		SM 4500-H+B	JLS	1	PASI-PA		
		EPA 9050	CLP	1	PASI-PA		
		EPA 350.1	AMS	1	PASI-PA		
		EPA 410.4	DLH	1	PASI-PA		
		SM 4500-CI-E	AMS	1	PASI-PA		
		SM 4500-NO2 B	PAS	1	PASI-PA		
3089979008	GL-13 (-26)	SM 4500-NO3 F	AMS	1	PASI-PA		
		SM 2340B	RTW	1	PASI-PA		
		EPA 6020	TT3	21	PASI-M		
		EPA 7470	TEM	1	PASI-M		
		EPA 8260	DJL	51	PASI-PA		
		EPA 180.1	PAS	1	PASI-PA		
		SM 2320B	AMS	1	PASI-PA		
		SM 4500-H+B	JLS	1	PASI-PA		
		EPA 9050	CLP	1	PASI-PA		
		EPA 350.1	AMS	1	PASI-PA		
		EPA 410.4	DLH	1	PASI-PA		
		SM 4500-CI-E	AMS	1	PASI-PA		
		SM 4500-NO2 B	PAS	1	PASI-PA		
		SM 4500-NO3 F	AMS	1	PASI-PA		
		3089979009	GL-11 (-31)	SM 2340B	RTW	1	PASI-PA
				EPA 6020	TT3	21	PASI-M
EPA 7470	TEM			1	PASI-M		
EPA 8260	DJL			51	PASI-PA		
EPA 180.1	PAS			1	PASI-PA		
SM 2320B	AMS			1	PASI-PA		
SM 4500-H+B	JLS			1	PASI-PA		

REPORT OF LABORATORY ANALYSIS

SAMPLE ANALYTE COUNT

Project: Grey's Landfill

Pace Project No.: 3089979

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory		
3089979010	GL-11 (-1)	EPA 9050	CLP	1	PASI-PA		
		EPA 350.1	AMS	1	PASI-PA		
		EPA 410.4	DLH	1	PASI-PA		
		SM 4500-CI-E	AMS	1	PASI-PA		
		SM 4500-NO2 B	PAS	1	PASI-PA		
		SM 4500-NO3 F	AMS	1	PASI-PA		
		SM 2340B	RTW	1	PASI-PA		
		EPA 6020	TT3	21	PASI-M		
		EPA 7470	TEM	1	PASI-M		
		EPA 8260	DJL	51	PASI-PA		
		EPA 180.1	PAS	1	PASI-PA		
		SM 2320B	AMS	1	PASI-PA		
		SM 4500-H+B	JLS	1	PASI-PA		
		EPA 9050	CLP	1	PASI-PA		
		EPA 350.1	AMS	1	PASI-PA		
		3089979011	GL-08 (-3)	EPA 410.4	DLH	1	PASI-PA
SM 4500-CI-E	AMS			1	PASI-PA		
SM 4500-NO2 B	PAS			1	PASI-PA		
SM 4500-NO3 F	AMS			1	PASI-PA		
SM 2340B	RTW			1	PASI-PA		
EPA 6020	TT3			21	PASI-M		
EPA 7470	TEM			1	PASI-M		
EPA 8270	TB1			75	PASI-PA		
EPA 8260	DJL			51	PASI-PA		
EPA 180.1	PAS			1	PASI-PA		
SM 2320B	AMS			1	PASI-PA		
SM 4500-H+B	JLS			1	PASI-PA		
EPA 9050	CLP			1	PASI-PA		
EPA 350.1	AMS			1	PASI-PA		
3089979012	GL-08 (-36)			EPA 410.4	DLH	1	PASI-PA
				SM 4500-CI-E	AMS	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA		
		SM 4500-NO3 F	AMS	1	PASI-PA		
		SM 2340B	RTW	1	PASI-PA		
		EPA 6020	TT3	21	PASI-M		
		EPA 7470	TEM	1	PASI-M		
		EPA 8260	DJL	51	PASI-PA		

REPORT OF LABORATORY ANALYSIS

SAMPLE ANALYTE COUNT

Project: Grey's Landfill

Pace Project No.: 3089979

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	CLP	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

ANALYTICAL RESULTS

Project: Grey's Landfill
Pace Project No.: 3089979

Sample: GL-12 (-3)	Lab ID: 3089979001	Collected: 03/20/13 09:31	Received: 03/21/13 09:35	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.) Analytical Method: SM 2340B								
Total Hardness	213 mg/L		2.1	1		03/26/13 10:47		
Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Calcium	27000 ug/L		1000	1	03/25/13 11:32	03/26/13 10:47	7440-70-2	
Magnesium	35500 ug/L		200	1	03/25/13 11:32	03/26/13 10:47	7439-95-4	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Antimony	ND ug/L		2.5	5	03/23/13 08:03	03/24/13 18:24	7440-36-0	D3
Arsenic	ND ug/L		2.5	5	03/23/13 08:03	03/24/13 18:24	7440-38-2	D3
Barium	17.3 ug/L		1.5	5	03/23/13 08:03	03/24/13 18:24	7440-39-3	
Beryllium	4.6 ug/L		1.0	5	03/23/13 08:03	03/24/13 18:24	7440-41-7	
Cadmium	0.86 ug/L		0.40	5	03/23/13 08:03	03/24/13 18:24	7440-43-9	
Calcium	27100 ug/L		100	5	03/23/13 08:03	03/24/13 18:24	7440-70-2	
Chromium	ND ug/L		2.5	5	03/23/13 08:03	03/24/13 18:24	7440-47-3	D3
Cobalt	130 ug/L		2.5	5	03/23/13 08:03	03/24/13 18:24	7440-48-4	
Copper	6.2 ug/L		2.5	5	03/23/13 08:03	03/24/13 18:24	7440-50-8	
Iron	9710 ug/L		250	5	03/23/13 08:03	03/24/13 18:24	7439-89-6	
Lead	3.2 ug/L		0.50	5	03/23/13 08:03	03/24/13 18:24	7439-92-1	
Magnesium	32000 ug/L		25.0	5	03/23/13 08:03	03/24/13 18:24	7439-95-4	
Manganese	612 ug/L		2.5	5	03/23/13 08:03	03/24/13 18:24	7439-96-5	
Nickel	220 ug/L		2.5	5	03/23/13 08:03	03/24/13 18:24	7440-02-0	
Potassium	1800 ug/L		100	5	03/23/13 08:03	03/24/13 18:24	7440-09-7	
Selenium	ND ug/L		2.5	5	03/23/13 08:03	03/24/13 18:24	7782-49-2	D3
Silver	ND ug/L		2.5	5	03/23/13 08:03	03/24/13 18:24	7440-22-4	D3
Sodium	51200 ug/L		250	5	03/23/13 08:03	03/24/13 18:24	7440-23-5	
Thallium	ND ug/L		0.50	5	03/23/13 08:03	03/24/13 18:24	7440-28-0	D3
Vanadium	2.2 ug/L		0.50	5	03/23/13 08:03	03/24/13 18:24	7440-62-2	
Zinc	323 ug/L		25.0	5	03/23/13 08:03	03/24/13 18:24	7440-66-6	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	5.2 ug/L		0.20	1	03/23/13 09:00	03/25/13 10:54	7439-97-6	M1
8260 MSV Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 12:43	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/27/13 12:43	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 12:43	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/27/13 12:43	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/27/13 12:43	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/27/13 12:43	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/27/13 12:43	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/27/13 12:43	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/27/13 12:43	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 12:43	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/27/13 12:43	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/27/13 12:43	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 12:43	106-46-7	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3089979

Sample: GL-12 (-3)		Lab ID: 3089979001	Collected: 03/20/13 09:31	Received: 03/21/13 09:35	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
2-Butanone (MEK)	ND	ug/L	5.0	1		03/27/13 12:43	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		03/27/13 12:43	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/27/13 12:43	108-10-1	
Acetone	ND	ug/L	5.0	1		03/27/13 12:43	67-64-1	
Acrylonitrile	ND	ug/L	2.0	1		03/27/13 12:43	107-13-1	
Benzene	ND	ug/L	1.0	1		03/27/13 12:43	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/27/13 12:43	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/27/13 12:43	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/27/13 12:43	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/27/13 12:43	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		03/27/13 12:43	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/27/13 12:43	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/27/13 12:43	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/27/13 12:43	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/27/13 12:43	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/27/13 12:43	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/27/13 12:43	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/27/13 12:43	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/27/13 12:43	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/27/13 12:43	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/27/13 12:43	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/27/13 12:43	75-09-2	
Styrene	ND	ug/L	1.0	1		03/27/13 12:43	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/27/13 12:43	127-18-4	
Toluene	ND	ug/L	1.0	1		03/27/13 12:43	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/27/13 12:43	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/27/13 12:43	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/27/13 12:43	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/27/13 12:43	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/27/13 12:43	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/27/13 12:43	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 12:43	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/27/13 12:43	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 12:43	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/27/13 12:43	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	102 %		85-115	1		03/27/13 12:43	460-00-4	
1,2-Dichloroethane-d4 (S)	89 %		77-119	1		03/27/13 12:43	17060-07-0	
Toluene-d8 (S)	96 %		85-115	1		03/27/13 12:43	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	21.6	NTU	0.10	1		03/21/13 15:49		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	ND	mg/L	1.0	1		03/27/13 12:00		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3089979

Sample: GL-12 (-3)		Lab ID: 3089979001		Collected: 03/20/13 09:31	Received: 03/21/13 09:35	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	5.3	Std. Units	0.10	1		03/22/13 22:36		H6
9050 Specific Conductance		Analytical Method: EPA 9050						
Specific Conductance	764	umhos/cm	1.0	1		03/28/13 16:20		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	ND	mg/L	0.10	1		03/26/13 09:05	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	18.2	mg/L	10.0	1		03/28/13 08:40		
4500 Chloride		Analytical Method: SM 4500-Cl-E						
Chloride	55.9	mg/L	30.0	10		03/26/13 15:33	16887-00-6	
SM4500NO2-B, Nitrite, unpres		Analytical Method: SM 4500-NO2 B						
Nitrite as N	ND	mg/L	0.010	1		03/21/13 18:00	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd		Analytical Method: SM 4500-NO3 F						
Nitrate as N	ND	mg/L	0.060	1		03/25/13 09:16	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3089979

Sample: GL-12 (-17)	Lab ID: 3089979002	Collected: 03/20/13 09:19	Received: 03/21/13 09:35	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)								
Analytical Method: SM 2340B								
Total Hardness	149	mg/L	2.1	1		03/26/13 10:50		
Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Calcium	21500	ug/L	1000	1	03/25/13 11:32	03/26/13 10:50	7440-70-2	
Magnesium	23100	ug/L	200	1	03/25/13 11:32	03/26/13 10:50	7439-95-4	
6020 MET ICPMS								
Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Antimony	ND	ug/L	2.5	5	03/23/13 08:03	03/24/13 18:14	7440-36-0	D3
Arsenic	ND	ug/L	2.5	5	03/23/13 08:03	03/24/13 18:14	7440-38-2	D3
Barium	29.2	ug/L	1.5	5	03/23/13 08:03	03/24/13 18:14	7440-39-3	
Beryllium	ND	ug/L	1.0	5	03/23/13 08:03	03/24/13 18:14	7440-41-7	D3
Cadmium	ND	ug/L	0.40	5	03/23/13 08:03	03/24/13 18:14	7440-43-9	D3
Calcium	20700	ug/L	100	5	03/23/13 08:03	03/24/13 18:14	7440-70-2	
Chromium	ND	ug/L	2.5	5	03/23/13 08:03	03/24/13 18:14	7440-47-3	D3
Cobalt	ND	ug/L	2.5	5	03/23/13 08:03	03/24/13 18:14	7440-48-4	D3
Copper	ND	ug/L	2.5	5	03/23/13 08:03	03/24/13 18:14	7440-50-8	D3
Iron	119000	ug/L	2500	50	03/23/13 08:03	03/24/13 18:19	7439-89-6	
Lead	ND	ug/L	0.50	5	03/23/13 08:03	03/24/13 18:14	7439-92-1	D3
Magnesium	20400	ug/L	25.0	5	03/23/13 08:03	03/24/13 18:14	7439-95-4	
Manganese	2870	ug/L	25.0	50	03/23/13 08:03	03/24/13 18:19	7439-96-5	
Nickel	ND	ug/L	2.5	5	03/23/13 08:03	03/24/13 18:14	7440-02-0	D3
Potassium	3370	ug/L	100	5	03/23/13 08:03	03/24/13 18:14	7440-09-7	
Selenium	ND	ug/L	2.5	5	03/23/13 08:03	03/24/13 18:14	7782-49-2	D3
Silver	ND	ug/L	2.5	5	03/23/13 08:03	03/24/13 18:14	7440-22-4	D3
Sodium	121000	ug/L	2500	50	03/23/13 08:03	03/24/13 18:19	7440-23-5	
Thallium	ND	ug/L	0.50	5	03/23/13 08:03	03/24/13 18:14	7440-28-0	D3
Vanadium	ND	ug/L	0.50	5	03/23/13 08:03	03/24/13 18:14	7440-62-2	D3
Zinc	ND	ug/L	25.0	5	03/23/13 08:03	03/24/13 18:14	7440-66-6	D3
7470 Mercury								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	1	03/23/13 09:00	03/25/13 10:52	7439-97-6	
8260 MSV								
Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/27/13 13:08	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/27/13 13:08	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/27/13 13:08	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/27/13 13:08	79-00-5	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/27/13 13:08	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		03/27/13 13:08	75-35-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/27/13 13:08	96-18-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		03/27/13 13:08	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/27/13 13:08	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/27/13 13:08	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/27/13 13:08	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/27/13 13:08	78-87-5	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/27/13 13:08	106-46-7	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3089979

Sample: GL-12 (-17)	Lab ID: 3089979002	Collected: 03/20/13 09:19	Received: 03/21/13 09:35	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
2-Butanone (MEK)	ND ug/L		5.0	1		03/27/13 13:08	78-93-3	
2-Hexanone	ND ug/L		5.0	1		03/27/13 13:08	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		03/27/13 13:08	108-10-1	
Acetone	ND ug/L		5.0	1		03/27/13 13:08	67-64-1	
Acrylonitrile	ND ug/L		2.0	1		03/27/13 13:08	107-13-1	
Benzene	ND ug/L		1.0	1		03/27/13 13:08	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		03/27/13 13:08	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		03/27/13 13:08	75-27-4	
Bromoform	ND ug/L		1.0	1		03/27/13 13:08	75-25-2	
Bromomethane	ND ug/L		1.0	1		03/27/13 13:08	74-83-9	
Carbon disulfide	ND ug/L		1.0	1		03/27/13 13:08	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		03/27/13 13:08	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		03/27/13 13:08	108-90-7	
Chloroethane	ND ug/L		1.0	1		03/27/13 13:08	75-00-3	
Chloroform	ND ug/L		1.0	1		03/27/13 13:08	67-66-3	
Chloromethane	ND ug/L		1.0	1		03/27/13 13:08	74-87-3	
Dibromochloromethane	ND ug/L		1.0	1		03/27/13 13:08	124-48-1	
Dibromomethane	ND ug/L		1.0	1		03/27/13 13:08	74-95-3	
Ethylbenzene	ND ug/L		1.0	1		03/27/13 13:08	100-41-4	
Iodomethane	ND ug/L		1.0	1		03/27/13 13:08	74-88-4	
Methyl-tert-butyl ether	ND ug/L		1.0	1		03/27/13 13:08	1634-04-4	
Methylene Chloride	ND ug/L		1.0	1		03/27/13 13:08	75-09-2	
Styrene	ND ug/L		1.0	1		03/27/13 13:08	100-42-5	
Tetrachloroethene	ND ug/L		1.0	1		03/27/13 13:08	127-18-4	
Toluene	ND ug/L		1.0	1		03/27/13 13:08	108-88-3	
Trichloroethene	ND ug/L		1.0	1		03/27/13 13:08	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		03/27/13 13:08	75-69-4	
Vinyl acetate	ND ug/L		1.0	1		03/27/13 13:08	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		03/27/13 13:08	75-01-4	
Xylene (Total)	ND ug/L		1.0	1		03/27/13 13:08	1330-20-7	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		03/27/13 13:08	156-59-2	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		03/27/13 13:08	10061-01-5	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		03/27/13 13:08	156-60-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		03/27/13 13:08	10061-02-6	
trans-1,4-Dichloro-2-butene	ND ug/L		1.0	1		03/27/13 13:08	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	98 %		85-115	1		03/27/13 13:08	460-00-4	
1,2-Dichloroethane-d4 (S)	88 %		77-119	1		03/27/13 13:08	17060-07-0	
Toluene-d8 (S)	97 %		85-115	1		03/27/13 13:08	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	65.0 NTU		0.20	2		03/21/13 15:49		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	37.2 mg/L		10.0	1		03/27/13 12:00		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3089979

Sample: GL-12 (-17)		Lab ID: 3089979002		Collected: 03/20/13 09:19	Received: 03/21/13 09:35	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	6.0	Std. Units	0.10	1		03/22/13 22:36		H6
9050 Specific Conductance		Analytical Method: EPA 9050						
Specific Conductance	1360	umhos/cm	1.0	1		03/28/13 16:20		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	3.6	mg/L	0.10	1		03/26/13 08:42	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	33.4	mg/L	10.0	1		03/28/13 08:40		
4500 Chloride		Analytical Method: SM 4500-Cl-E						
Chloride	230	mg/L	60.0	20		03/26/13 14:06	16887-00-6	
SM4500NO2-B, Nitrite, unpres		Analytical Method: SM 4500-NO2 B						
Nitrite as N	ND	mg/L	0.010	1		03/21/13 18:00	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd		Analytical Method: SM 4500-NO3 F						
Nitrate as N	ND	mg/L	0.060	1		03/25/13 09:16	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3089979

Sample: GL-10 (-1)	Lab ID: 3089979003	Collected: 03/20/13 10:21	Received: 03/21/13 09:35	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)	Analytical Method: SM 2340B							
Total Hardness	57.1 mg/L		2.1	1		03/26/13 10:53		
	Analytical Method: EPA 6010B Preparation Method: EPA 3005							
Calcium	11000 ug/L		1000	1	03/25/13 11:32	03/26/13 10:53	7440-70-2	
Magnesium	7220 ug/L		200	1	03/25/13 11:32	03/26/13 10:53	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony	ND ug/L		0.50	1	03/23/13 08:03	03/25/13 09:38	7440-36-0	
Arsenic	2.6 ug/L		0.50	1	03/23/13 08:03	03/25/13 09:38	7440-38-2	
Barium	47.2 ug/L		0.30	1	03/23/13 08:03	03/25/13 09:38	7440-39-3	
Beryllium	ND ug/L		0.20	1	03/23/13 08:03	03/25/13 09:38	7440-41-7	
Cadmium	ND ug/L		0.080	1	03/23/13 08:03	03/25/13 09:38	7440-43-9	
Calcium	8280 ug/L		20.0	1	03/23/13 08:03	03/25/13 09:38	7440-70-2	M6
Chromium	1.9 ug/L		0.50	1	03/23/13 08:03	03/25/13 09:38	7440-47-3	
Cobalt	ND ug/L		0.50	1	03/23/13 08:03	03/25/13 09:38	7440-48-4	
Copper	0.99 ug/L		0.50	1	03/23/13 08:03	03/25/13 09:38	7440-50-8	
Iron	51400 ug/L		250	5	03/23/13 08:03	03/24/13 15:30	7439-89-6	M6
Lead	0.68 ug/L		0.10	1	03/23/13 08:03	03/25/13 09:38	7439-92-1	
Magnesium	6370 ug/L		5.0	1	03/23/13 08:03	03/25/13 09:38	7439-95-4	M6
Manganese	818 ug/L		2.5	5	03/23/13 08:03	03/24/13 15:30	7439-96-5	
Nickel	0.81 ug/L		0.50	1	03/23/13 08:03	03/25/13 09:38	7440-02-0	
Potassium	762 ug/L		20.0	1	03/23/13 08:03	03/25/13 09:38	7440-09-7	M6
Selenium	ND ug/L		0.50	1	03/23/13 08:03	03/25/13 09:38	7782-49-2	
Silver	ND ug/L		0.50	1	03/23/13 08:03	03/25/13 09:38	7440-22-4	D3
Sodium	19700 ug/L		50.0	1	03/23/13 08:03	03/25/13 09:38	7440-23-5	M6
Thallium	ND ug/L		0.50	5	03/23/13 08:03	03/24/13 15:30	7440-28-0	D3
Vanadium	1.9 ug/L		0.10	1	03/23/13 08:03	03/25/13 09:38	7440-62-2	
Zinc	7.3 ug/L		5.0	1	03/23/13 08:03	03/25/13 09:38	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND ug/L		0.20	1	03/23/13 09:00	03/25/13 10:08	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 13:32	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/27/13 13:32	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 13:32	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/27/13 13:32	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/27/13 13:32	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/27/13 13:32	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/27/13 13:32	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/27/13 13:32	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/27/13 13:32	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 13:32	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/27/13 13:32	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/27/13 13:32	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 13:32	106-46-7	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3089979

Sample: GL-10 (-1)	Lab ID: 3089979003	Collected: 03/20/13 10:21	Received: 03/21/13 09:35	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
2-Butanone (MEK)	ND ug/L		5.0	1		03/27/13 13:32	78-93-3	
2-Hexanone	ND ug/L		5.0	1		03/27/13 13:32	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		03/27/13 13:32	108-10-1	
Acetone	ND ug/L		5.0	1		03/27/13 13:32	67-64-1	
Acrylonitrile	ND ug/L		2.0	1		03/27/13 13:32	107-13-1	
Benzene	ND ug/L		1.0	1		03/27/13 13:32	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		03/27/13 13:32	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		03/27/13 13:32	75-27-4	
Bromoform	ND ug/L		1.0	1		03/27/13 13:32	75-25-2	
Bromomethane	ND ug/L		1.0	1		03/27/13 13:32	74-83-9	
Carbon disulfide	ND ug/L		1.0	1		03/27/13 13:32	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		03/27/13 13:32	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		03/27/13 13:32	108-90-7	
Chloroethane	ND ug/L		1.0	1		03/27/13 13:32	75-00-3	
Chloroform	ND ug/L		1.0	1		03/27/13 13:32	67-66-3	
Chloromethane	ND ug/L		1.0	1		03/27/13 13:32	74-87-3	
Dibromochloromethane	ND ug/L		1.0	1		03/27/13 13:32	124-48-1	
Dibromomethane	ND ug/L		1.0	1		03/27/13 13:32	74-95-3	
Ethylbenzene	ND ug/L		1.0	1		03/27/13 13:32	100-41-4	
Iodomethane	ND ug/L		1.0	1		03/27/13 13:32	74-88-4	
Methyl-tert-butyl ether	ND ug/L		1.0	1		03/27/13 13:32	1634-04-4	
Methylene Chloride	ND ug/L		1.0	1		03/27/13 13:32	75-09-2	
Styrene	ND ug/L		1.0	1		03/27/13 13:32	100-42-5	
Tetrachloroethene	ND ug/L		1.0	1		03/27/13 13:32	127-18-4	
Toluene	ND ug/L		1.0	1		03/27/13 13:32	108-88-3	
Trichloroethene	ND ug/L		1.0	1		03/27/13 13:32	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		03/27/13 13:32	75-69-4	
Vinyl acetate	ND ug/L		1.0	1		03/27/13 13:32	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		03/27/13 13:32	75-01-4	
Xylene (Total)	ND ug/L		1.0	1		03/27/13 13:32	1330-20-7	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		03/27/13 13:32	156-59-2	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		03/27/13 13:32	10061-01-5	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		03/27/13 13:32	156-60-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		03/27/13 13:32	10061-02-6	
trans-1,4-Dichloro-2-butene	ND ug/L		1.0	1		03/27/13 13:32	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	102 %		85-115	1		03/27/13 13:32	460-00-4	
1,2-Dichloroethane-d4 (S)	88 %		77-119	1		03/27/13 13:32	17060-07-0	
Toluene-d8 (S)	96 %		85-115	1		03/27/13 13:32	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	41.8 NTU		0.20	2		03/21/13 15:49		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	15.4 mg/L		10.0	1		03/27/13 12:00		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3089979

Sample: GL-10 (-1)		Lab ID: 3089979003	Collected: 03/20/13 10:21	Received: 03/21/13 09:35	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	6.0	Std. Units	0.10	1		03/22/13 22:36		H6
9050 Specific Conductance	Analytical Method: EPA 9050							
Specific Conductance	331	umhos/cm	1.0	1		03/28/13 16:20		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	2.2	mg/L	0.10	1		03/26/13 08:43	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	18.2	mg/L	10.0	1		03/28/13 08:40		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	15.8	mg/L	3.0	1		03/26/13 15:34	16887-00-6	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	ND	mg/L	0.010	1		03/21/13 18:03	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	ND	mg/L	0.060	1		03/25/13 09:16	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3089979

Sample: GL-10 (-31)	Lab ID: 3089979004	Collected: 03/20/13 10:30	Received: 03/21/13 09:35	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)	Analytical Method: SM 2340B							
Total Hardness	37.5 mg/L		2.1	1		03/26/13 10:56		
	Analytical Method: EPA 6010B Preparation Method: EPA 3005							
Calcium	7940 ug/L		1000	1	03/25/13 11:32	03/26/13 10:56	7440-70-2	
Magnesium	4300 ug/L		200	1	03/25/13 11:32	03/26/13 10:56	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony	ND ug/L		0.50	1	03/23/13 08:03	03/25/13 09:43	7440-36-0	
Arsenic	ND ug/L		0.50	1	03/23/13 08:03	03/25/13 09:43	7440-38-2	
Barium	69.5 ug/L		0.30	1	03/23/13 08:03	03/25/13 09:43	7440-39-3	
Beryllium	ND ug/L		0.20	1	03/23/13 08:03	03/25/13 09:43	7440-41-7	
Cadmium	ND ug/L		0.080	1	03/23/13 08:03	03/25/13 09:43	7440-43-9	
Calcium	6330 ug/L		20.0	1	03/23/13 08:03	03/25/13 09:43	7440-70-2	
Chromium	0.78 ug/L		0.50	1	03/23/13 08:03	03/25/13 09:43	7440-47-3	
Cobalt	ND ug/L		0.50	1	03/23/13 08:03	03/25/13 09:43	7440-48-4	
Copper	ND ug/L		0.50	1	03/23/13 08:03	03/25/13 09:43	7440-50-8	
Iron	54800 ug/L		250	5	03/23/13 08:03	03/24/13 15:41	7439-89-6	
Lead	ND ug/L		0.10	1	03/23/13 08:03	03/25/13 09:43	7439-92-1	
Magnesium	3960 ug/L		5.0	1	03/23/13 08:03	03/25/13 09:43	7439-95-4	
Manganese	1410 ug/L		2.5	5	03/23/13 08:03	03/24/13 15:41	7439-96-5	
Nickel	ND ug/L		0.50	1	03/23/13 08:03	03/25/13 09:43	7440-02-0	
Potassium	1490 ug/L		20.0	1	03/23/13 08:03	03/25/13 09:43	7440-09-7	
Selenium	ND ug/L		0.50	1	03/23/13 08:03	03/25/13 09:43	7782-49-2	
Silver	ND ug/L		0.50	1	03/23/13 08:03	03/25/13 09:43	7440-22-4	
Sodium	8640 ug/L		50.0	1	03/23/13 08:03	03/25/13 09:43	7440-23-5	
Thallium	ND ug/L		0.50	5	03/23/13 08:03	03/24/13 15:41	7440-28-0	D3
Vanadium	0.46 ug/L		0.10	1	03/23/13 08:03	03/25/13 09:43	7440-62-2	
Zinc	ND ug/L		5.0	1	03/23/13 08:03	03/25/13 09:43	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND ug/L		0.20	1	03/23/13 09:00	03/25/13 10:11	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 13:57	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/27/13 13:57	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 13:57	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/27/13 13:57	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/27/13 13:57	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/27/13 13:57	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/27/13 13:57	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/27/13 13:57	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/27/13 13:57	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 13:57	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/27/13 13:57	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/27/13 13:57	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 13:57	106-46-7	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3089979

Sample: GL-10 (-31)		Lab ID: 3089979004	Collected: 03/20/13 10:30	Received: 03/21/13 09:35	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
2-Butanone (MEK)	ND	ug/L	5.0	1		03/27/13 13:57	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		03/27/13 13:57	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/27/13 13:57	108-10-1	
Acetone	ND	ug/L	5.0	1		03/27/13 13:57	67-64-1	
Acrylonitrile	ND	ug/L	2.0	1		03/27/13 13:57	107-13-1	
Benzene	ND	ug/L	1.0	1		03/27/13 13:57	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/27/13 13:57	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/27/13 13:57	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/27/13 13:57	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/27/13 13:57	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		03/27/13 13:57	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/27/13 13:57	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/27/13 13:57	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/27/13 13:57	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/27/13 13:57	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/27/13 13:57	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/27/13 13:57	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/27/13 13:57	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/27/13 13:57	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/27/13 13:57	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/27/13 13:57	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/27/13 13:57	75-09-2	
Styrene	ND	ug/L	1.0	1		03/27/13 13:57	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/27/13 13:57	127-18-4	
Toluene	ND	ug/L	1.0	1		03/27/13 13:57	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/27/13 13:57	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/27/13 13:57	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/27/13 13:57	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/27/13 13:57	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/27/13 13:57	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/27/13 13:57	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 13:57	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/27/13 13:57	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 13:57	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/27/13 13:57	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	101 %		85-115	1		03/27/13 13:57	460-00-4	
1,2-Dichloroethane-d4 (S)	89 %		77-119	1		03/27/13 13:57	17060-07-0	
Toluene-d8 (S)	99 %		85-115	1		03/27/13 13:57	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	131	NTU	0.50	5		03/21/13 15:49		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	59.2	mg/L	10.0	1		03/27/13 12:00		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3089979

Sample: GL-10 (-31)		Lab ID: 3089979004	Collected: 03/20/13 10:30	Received: 03/21/13 09:35	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	6.3	Std. Units	0.10	1		03/22/13 22:36		H6
9050 Specific Conductance	Analytical Method: EPA 9050							
Specific Conductance	257	umhos/cm	1.0	1		03/28/13 16:20		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	5.0	mg/L	0.10	1		03/26/13 08:44	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	33.4	mg/L	10.0	1		03/28/13 08:40		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	13.1	mg/L	3.0	1		03/26/13 15:35	16887-00-6	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	0.028	mg/L	0.010	1		03/21/13 18:03	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	ND	mg/L	0.060	1		03/25/13 09:16	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3089979

Sample: GL-14 (-33)	Lab ID: 3089979005	Collected: 03/20/13 11:19	Received: 03/21/13 09:35	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)	Analytical Method: SM 2340B							
Total Hardness	55.3 mg/L		2.1	1		03/26/13 11:08		
	Analytical Method: EPA 6010B Preparation Method: EPA 3005							
Calcium	14600 ug/L		1000	1	03/25/13 11:32	03/26/13 11:08	7440-70-2	
Magnesium	4550 ug/L		200	1	03/25/13 11:32	03/26/13 11:08	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony	ND ug/L		0.50	1	03/23/13 08:03	03/25/13 09:47	7440-36-0	
Arsenic	1.3 ug/L		0.50	1	03/23/13 08:03	03/25/13 09:47	7440-38-2	
Barium	77.8 ug/L		0.30	1	03/23/13 08:03	03/25/13 09:47	7440-39-3	
Beryllium	1.1 ug/L		0.20	1	03/23/13 08:03	03/25/13 09:47	7440-41-7	
Cadmium	ND ug/L		0.080	1	03/23/13 08:03	03/25/13 09:47	7440-43-9	
Calcium	12000 ug/L		20.0	1	03/23/13 08:03	03/25/13 09:47	7440-70-2	
Chromium	1.0 ug/L		0.50	1	03/23/13 08:03	03/25/13 09:47	7440-47-3	
Cobalt	ND ug/L		0.50	1	03/23/13 08:03	03/25/13 09:47	7440-48-4	
Copper	ND ug/L		0.50	1	03/23/13 08:03	03/25/13 09:47	7440-50-8	
Iron	50000 ug/L		250	5	03/23/13 08:03	03/24/13 16:25	7439-89-6	
Lead	ND ug/L		0.10	1	03/23/13 08:03	03/25/13 09:47	7439-92-1	
Magnesium	4270 ug/L		5.0	1	03/23/13 08:03	03/25/13 09:47	7439-95-4	
Manganese	2690 ug/L		25.0	50	03/23/13 08:03	03/24/13 16:30	7439-96-5	
Nickel	0.82 ug/L		0.50	1	03/23/13 08:03	03/25/13 09:47	7440-02-0	
Potassium	1100 ug/L		20.0	1	03/23/13 08:03	03/25/13 09:47	7440-09-7	
Selenium	2.6 ug/L		0.50	1	03/23/13 08:03	03/25/13 09:47	7782-49-2	
Silver	ND ug/L		0.50	1	03/23/13 08:03	03/25/13 09:47	7440-22-4	
Sodium	8480 ug/L		50.0	1	03/23/13 08:03	03/25/13 09:47	7440-23-5	
Thallium	ND ug/L		0.50	5	03/23/13 08:03	03/24/13 16:25	7440-28-0	D3
Vanadium	1.0 ug/L		0.10	1	03/23/13 08:03	03/25/13 09:47	7440-62-2	
Zinc	ND ug/L		5.0	1	03/23/13 08:03	03/25/13 09:47	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND ug/L		0.20	1	03/23/13 09:00	03/25/13 10:27	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 14:21	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/27/13 14:21	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 14:21	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/27/13 14:21	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/27/13 14:21	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/27/13 14:21	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/27/13 14:21	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/27/13 14:21	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/27/13 14:21	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 14:21	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/27/13 14:21	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/27/13 14:21	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 14:21	106-46-7	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3089979

Sample: GL-14 (-33)		Lab ID: 3089979005	Collected: 03/20/13 11:19	Received: 03/21/13 09:35	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
2-Butanone (MEK)	ND	ug/L	5.0	1		03/27/13 14:21	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		03/27/13 14:21	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/27/13 14:21	108-10-1	
Acetone	ND	ug/L	5.0	1		03/27/13 14:21	67-64-1	
Acrylonitrile	ND	ug/L	2.0	1		03/27/13 14:21	107-13-1	
Benzene	7.2	ug/L	1.0	1		03/27/13 14:21	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/27/13 14:21	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/27/13 14:21	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/27/13 14:21	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/27/13 14:21	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		03/27/13 14:21	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/27/13 14:21	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/27/13 14:21	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/27/13 14:21	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/27/13 14:21	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/27/13 14:21	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/27/13 14:21	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/27/13 14:21	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/27/13 14:21	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/27/13 14:21	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/27/13 14:21	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/27/13 14:21	75-09-2	
Styrene	ND	ug/L	1.0	1		03/27/13 14:21	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/27/13 14:21	127-18-4	
Toluene	ND	ug/L	1.0	1		03/27/13 14:21	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/27/13 14:21	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/27/13 14:21	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/27/13 14:21	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/27/13 14:21	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/27/13 14:21	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/27/13 14:21	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 14:21	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/27/13 14:21	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 14:21	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/27/13 14:21	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	101 %		85-115	1		03/27/13 14:21	460-00-4	
1,2-Dichloroethane-d4 (S)	90 %		77-119	1		03/27/13 14:21	17060-07-0	
Toluene-d8 (S)	98 %		85-115	1		03/27/13 14:21	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	112	NTU	0.50	5		03/21/13 15:49		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	59.6	mg/L	10.0	1		03/27/13 12:00		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3089979

Sample: GL-14 (-33)		Lab ID: 3089979005		Collected: 03/20/13 11:19	Received: 03/21/13 09:35	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	6.4	Std. Units	0.10	1		03/22/13 22:36		H6
9050 Specific Conductance		Analytical Method: EPA 9050						
Specific Conductance	267	umhos/cm	1.0	1		03/28/13 16:20		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	4.4	mg/L	0.10	1		03/26/13 08:45	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	42.1	mg/L	10.0	1		03/28/13 08:40		
4500 Chloride		Analytical Method: SM 4500-Cl-E						
Chloride	18.8	mg/L	3.0	1		03/26/13 15:35	16887-00-6	
SM4500NO2-B, Nitrite, unpres		Analytical Method: SM 4500-NO2 B						
Nitrite as N	0.012	mg/L	0.010	1		03/21/13 18:03	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd		Analytical Method: SM 4500-NO3 F						
Nitrate as N	ND	mg/L	0.060	1		03/25/13 09:16	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3089979

Sample: GL-14 (+1)	Lab ID: 3089979006	Collected: 03/20/13 11:37	Received: 03/21/13 09:35	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.) Analytical Method: SM 2340B								
Total Hardness	43.4 mg/L		2.1	1		03/26/13 11:11		
Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Calcium	13900 ug/L		1000	1	03/25/13 11:32	03/26/13 11:11	7440-70-2	
Magnesium	2090 ug/L		200	1	03/25/13 11:32	03/26/13 11:11	7439-95-4	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Antimony	ND ug/L		0.50	1	03/23/13 08:03	03/25/13 10:14	7440-36-0	
Arsenic	ND ug/L		0.50	1	03/23/13 08:03	03/25/13 10:14	7440-38-2	
Barium	13.2 ug/L		0.30	1	03/23/13 08:03	03/25/13 10:14	7440-39-3	
Beryllium	ND ug/L		0.20	1	03/23/13 08:03	03/25/13 10:14	7440-41-7	
Cadmium	ND ug/L		0.080	1	03/23/13 08:03	03/25/13 10:14	7440-43-9	
Calcium	10800 ug/L		20.0	1	03/23/13 08:03	03/25/13 10:14	7440-70-2	
Chromium	ND ug/L		0.50	1	03/23/13 08:03	03/25/13 10:14	7440-47-3	
Cobalt	0.92 ug/L		0.50	1	03/23/13 08:03	03/25/13 10:14	7440-48-4	
Copper	ND ug/L		0.50	1	03/23/13 08:03	03/25/13 10:14	7440-50-8	
Iron	1770 ug/L		50.0	1	03/23/13 08:03	03/25/13 10:14	7439-89-6	
Lead	ND ug/L		0.10	1	03/23/13 08:03	03/25/13 10:14	7439-92-1	
Magnesium	1960 ug/L		5.0	1	03/23/13 08:03	03/25/13 10:14	7439-95-4	
Manganese	78.6 ug/L		0.50	1	03/23/13 08:03	03/25/13 10:14	7439-96-5	
Nickel	1.2 ug/L		0.50	1	03/23/13 08:03	03/25/13 10:14	7440-02-0	
Potassium	792 ug/L		20.0	1	03/23/13 08:03	03/25/13 10:14	7440-09-7	
Selenium	ND ug/L		0.50	1	03/23/13 08:03	03/25/13 10:14	7782-49-2	
Silver	ND ug/L		0.50	1	03/23/13 08:03	03/25/13 10:14	7440-22-4	
Sodium	3670 ug/L		50.0	1	03/23/13 08:03	03/25/13 10:14	7440-23-5	
Thallium	ND ug/L		0.50	5	03/23/13 08:03	03/24/13 16:35	7440-28-0	D3
Vanadium	0.14 ug/L		0.10	1	03/23/13 08:03	03/25/13 10:14	7440-62-2	
Zinc	ND ug/L		5.0	1	03/23/13 08:03	03/25/13 10:14	7440-66-6	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND ug/L		0.20	1	03/23/13 09:00	03/25/13 10:30	7439-97-6	
8260 MSV Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 17:36	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/27/13 17:36	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 17:36	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/27/13 17:36	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/27/13 17:36	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/27/13 17:36	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/27/13 17:36	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/27/13 17:36	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/27/13 17:36	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 17:36	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/27/13 17:36	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/27/13 17:36	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 17:36	106-46-7	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3089979

Sample: GL-14 (+1)		Lab ID: 3089979006	Collected: 03/20/13 11:37	Received: 03/21/13 09:35	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
2-Butanone (MEK)	ND	ug/L	5.0	1		03/27/13 17:36	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		03/27/13 17:36	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/27/13 17:36	108-10-1	
Acetone	ND	ug/L	5.0	1		03/27/13 17:36	67-64-1	
Acrylonitrile	ND	ug/L	2.0	1		03/27/13 17:36	107-13-1	
Benzene	ND	ug/L	1.0	1		03/27/13 17:36	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/27/13 17:36	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/27/13 17:36	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/27/13 17:36	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/27/13 17:36	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		03/27/13 17:36	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/27/13 17:36	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/27/13 17:36	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/27/13 17:36	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/27/13 17:36	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/27/13 17:36	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/27/13 17:36	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/27/13 17:36	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/27/13 17:36	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/27/13 17:36	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/27/13 17:36	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/27/13 17:36	75-09-2	
Styrene	ND	ug/L	1.0	1		03/27/13 17:36	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/27/13 17:36	127-18-4	
Toluene	ND	ug/L	1.0	1		03/27/13 17:36	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/27/13 17:36	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/27/13 17:36	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/27/13 17:36	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/27/13 17:36	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/27/13 17:36	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/27/13 17:36	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 17:36	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/27/13 17:36	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 17:36	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/27/13 17:36	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	101 %		85-115	1		03/27/13 17:36	460-00-4	
1,2-Dichloroethane-d4 (S)	89 %		77-119	1		03/27/13 17:36	17060-07-0	
Toluene-d8 (S)	98 %		85-115	1		03/27/13 17:36	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	6.8	NTU	0.10	1		03/21/13 15:49		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	13.4	mg/L	10.0	1		03/27/13 12:00		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3089979

Sample: GL-14 (+1)		Lab ID: 3089979006		Collected: 03/20/13 11:37	Received: 03/21/13 09:35	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	6.1	Std. Units	0.10	1		03/22/13 22:36		H6
9050 Specific Conductance		Analytical Method: EPA 9050						
Specific Conductance	131	umhos/cm	1.0	1		03/28/13 16:20		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	ND	mg/L	0.10	1		03/26/13 08:46	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	ND	mg/L	10.0	1		03/28/13 08:40		
4500 Chloride		Analytical Method: SM 4500-Cl-E						
Chloride	5.6	mg/L	3.0	1		03/26/13 15:36	16887-00-6	
SM4500NO2-B, Nitrite, unpres		Analytical Method: SM 4500-NO2 B						
Nitrite as N	ND	mg/L	0.010	1		03/21/13 18:03	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd		Analytical Method: SM 4500-NO3 F						
Nitrate as N	ND	mg/L	0.060	1		03/25/13 09:16	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3089979

Sample: GL-13 (+1)	Lab ID: 3089979007	Collected: 03/20/13 13:09	Received: 03/21/13 09:35	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)								
Analytical Method: SM 2340B								
Total Hardness	231 mg/L		2.1	1		03/26/13 11:28		
Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Calcium	71200 ug/L		1000	1	03/25/13 11:32	03/26/13 11:28	7440-70-2	
Magnesium	13000 ug/L		200	1	03/25/13 11:32	03/26/13 11:28	7439-95-4	
6020 MET ICPMS								
Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Antimony	ND ug/L		2.5	5	03/23/13 08:03	03/24/13 16:44	7440-36-0	D3
Arsenic	ND ug/L		2.5	5	03/23/13 08:03	03/24/13 16:44	7440-38-2	D3
Barium	29.0 ug/L		1.5	5	03/23/13 08:03	03/24/13 16:44	7440-39-3	
Beryllium	ND ug/L		1.0	5	03/23/13 08:03	03/24/13 16:44	7440-41-7	D3
Cadmium	ND ug/L		0.40	5	03/23/13 08:03	03/24/13 16:44	7440-43-9	D3
Calcium	69400 ug/L		100	5	03/23/13 08:03	03/24/13 16:44	7440-70-2	
Chromium	ND ug/L		2.5	5	03/23/13 08:03	03/24/13 16:44	7440-47-3	D3
Cobalt	ND ug/L		2.5	5	03/23/13 08:03	03/24/13 16:44	7440-48-4	D3
Copper	ND ug/L		2.5	5	03/23/13 08:03	03/24/13 16:44	7440-50-8	D3
Iron	544 ug/L		250	5	03/23/13 08:03	03/24/13 16:44	7439-89-6	
Lead	ND ug/L		0.50	5	03/23/13 08:03	03/24/13 16:44	7439-92-1	D3
Magnesium	11400 ug/L		25.0	5	03/23/13 08:03	03/24/13 16:44	7439-95-4	
Manganese	130 ug/L		2.5	5	03/23/13 08:03	03/24/13 16:44	7439-96-5	
Nickel	ND ug/L		2.5	5	03/23/13 08:03	03/24/13 16:44	7440-02-0	D3
Potassium	8420 ug/L		100	5	03/23/13 08:03	03/24/13 16:44	7440-09-7	
Selenium	ND ug/L		2.5	5	03/23/13 08:03	03/24/13 16:44	7782-49-2	D3
Silver	ND ug/L		2.5	5	03/23/13 08:03	03/24/13 16:44	7440-22-4	D3
Sodium	36500 ug/L		250	5	03/23/13 08:03	03/24/13 16:44	7440-23-5	
Thallium	ND ug/L		0.50	5	03/23/13 08:03	03/24/13 16:44	7440-28-0	D3
Vanadium	0.66 ug/L		0.50	5	03/23/13 08:03	03/24/13 16:44	7440-62-2	
Zinc	ND ug/L		25.0	5	03/23/13 08:03	03/24/13 16:44	7440-66-6	D3
7470 Mercury								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND ug/L		0.20	1	03/23/13 09:00	03/25/13 10:32	7439-97-6	
8260 MSV								
Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 15:34	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/27/13 15:34	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 15:34	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/27/13 15:34	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/27/13 15:34	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/27/13 15:34	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/27/13 15:34	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/27/13 15:34	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/27/13 15:34	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 15:34	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/27/13 15:34	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/27/13 15:34	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 15:34	106-46-7	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3089979

Sample: GL-13 (+1)		Lab ID: 3089979007	Collected: 03/20/13 13:09	Received: 03/21/13 09:35	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
2-Butanone (MEK)	ND ug/L		5.0	1		03/27/13 15:34	78-93-3	
2-Hexanone	ND ug/L		5.0	1		03/27/13 15:34	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		03/27/13 15:34	108-10-1	
Acetone	ND ug/L		5.0	1		03/27/13 15:34	67-64-1	
Acrylonitrile	ND ug/L		2.0	1		03/27/13 15:34	107-13-1	
Benzene	ND ug/L		1.0	1		03/27/13 15:34	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		03/27/13 15:34	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		03/27/13 15:34	75-27-4	
Bromoform	ND ug/L		1.0	1		03/27/13 15:34	75-25-2	
Bromomethane	ND ug/L		1.0	1		03/27/13 15:34	74-83-9	
Carbon disulfide	ND ug/L		1.0	1		03/27/13 15:34	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		03/27/13 15:34	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		03/27/13 15:34	108-90-7	
Chloroethane	ND ug/L		1.0	1		03/27/13 15:34	75-00-3	
Chloroform	ND ug/L		1.0	1		03/27/13 15:34	67-66-3	
Chloromethane	ND ug/L		1.0	1		03/27/13 15:34	74-87-3	
Dibromochloromethane	ND ug/L		1.0	1		03/27/13 15:34	124-48-1	
Dibromomethane	ND ug/L		1.0	1		03/27/13 15:34	74-95-3	
Ethylbenzene	ND ug/L		1.0	1		03/27/13 15:34	100-41-4	
Iodomethane	ND ug/L		1.0	1		03/27/13 15:34	74-88-4	
Methyl-tert-butyl ether	ND ug/L		1.0	1		03/27/13 15:34	1634-04-4	
Methylene Chloride	ND ug/L		1.0	1		03/27/13 15:34	75-09-2	
Styrene	ND ug/L		1.0	1		03/27/13 15:34	100-42-5	
Tetrachloroethene	ND ug/L		1.0	1		03/27/13 15:34	127-18-4	
Toluene	ND ug/L		1.0	1		03/27/13 15:34	108-88-3	
Trichloroethene	ND ug/L		1.0	1		03/27/13 15:34	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		03/27/13 15:34	75-69-4	
Vinyl acetate	ND ug/L		1.0	1		03/27/13 15:34	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		03/27/13 15:34	75-01-4	
Xylene (Total)	ND ug/L		1.0	1		03/27/13 15:34	1330-20-7	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		03/27/13 15:34	156-59-2	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		03/27/13 15:34	10061-01-5	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		03/27/13 15:34	156-60-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		03/27/13 15:34	10061-02-6	
trans-1,4-Dichloro-2-butene	ND ug/L		1.0	1		03/27/13 15:34	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	97 %		85-115	1		03/27/13 15:34	460-00-4	
1,2-Dichloroethane-d4 (S)	91 %		77-119	1		03/27/13 15:34	17060-07-0	
Toluene-d8 (S)	98 %		85-115	1		03/27/13 15:34	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	4.0 NTU		0.10	1		03/21/13 15:49		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	224 mg/L		10.0	1		03/27/13 12:00		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3089979

Sample: GL-13 (+1)		Lab ID: 3089979007		Collected: 03/20/13 13:09	Received: 03/21/13 09:35	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	6.8	Std. Units	0.10	1		03/22/13 22:36		H6
9050 Specific Conductance		Analytical Method: EPA 9050						
Specific Conductance	609	umhos/cm	1.0	1		03/28/13 16:20		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	ND	mg/L	0.10	1		03/26/13 08:47	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	11.7	mg/L	10.0	1		03/28/13 08:40		
4500 Chloride		Analytical Method: SM 4500-Cl-E						
Chloride	7.3	mg/L	3.0	1		03/26/13 15:37	16887-00-6	
SM4500NO2-B, Nitrite, unpres		Analytical Method: SM 4500-NO2 B						
Nitrite as N	ND	mg/L	0.010	1		03/21/13 18:04	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd		Analytical Method: SM 4500-NO3 F						
Nitrate as N	ND	mg/L	0.060	1		03/25/13 09:16	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Sample Project No.: 3089979

Sample: GL-13 (-26)	Lab ID: 3089979008	Collected: 03/20/13 13:33	Received: 03/21/13 09:35	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)	Analytical Method: SM 2340B							
Total Hardness	749 mg/L		2.1	1		03/26/13 11:31		
	Analytical Method: EPA 6010B Preparation Method: EPA 3005							
Calcium	84300 ug/L		1000	1	03/25/13 11:32	03/26/13 11:31	7440-70-2	
Magnesium	131000 ug/L		200	1	03/25/13 11:32	03/26/13 11:31	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony	ND ug/L		2.5	5	03/23/13 08:03	03/24/13 17:10	7440-36-0	D3
Arsenic	ND ug/L		2.5	5	03/23/13 08:03	03/24/13 17:10	7440-38-2	D3
Barium	37.6 ug/L		1.5	5	03/23/13 08:03	03/24/13 17:10	7440-39-3	
Beryllium	ND ug/L		1.0	5	03/23/13 08:03	03/24/13 17:10	7440-41-7	D3
Cadmium	ND ug/L		0.40	5	03/23/13 08:03	03/24/13 17:10	7440-43-9	D3
Calcium	86600 ug/L		100	5	03/23/13 08:03	03/24/13 17:10	7440-70-2	
Chromium	ND ug/L		2.5	5	03/23/13 08:03	03/24/13 17:10	7440-47-3	D3
Cobalt	ND ug/L		2.5	5	03/23/13 08:03	03/24/13 17:10	7440-48-4	D3
Copper	ND ug/L		2.5	5	03/23/13 08:03	03/24/13 17:10	7440-50-8	D3
Iron	1140000 ug/L		25000	500	03/23/13 08:03	03/25/13 09:52	7439-89-6	
Lead	ND ug/L		0.50	5	03/23/13 08:03	03/24/13 17:10	7439-92-1	D3
Magnesium	123000 ug/L		250	50	03/23/13 08:03	03/24/13 17:15	7439-95-4	
Manganese	128000 ug/L		250	500	03/23/13 08:03	03/25/13 09:52	7439-96-5	
Nickel	ND ug/L		2.5	5	03/23/13 08:03	03/24/13 17:10	7440-02-0	D3
Potassium	2440 ug/L		100	5	03/23/13 08:03	03/24/13 17:10	7440-09-7	
Selenium	ND ug/L		2.5	5	03/23/13 08:03	03/24/13 17:10	7782-49-2	D3
Silver	ND ug/L		2.5	5	03/23/13 08:03	03/24/13 17:10	7440-22-4	D3
Sodium	38700 ug/L		250	5	03/23/13 08:03	03/24/13 17:10	7440-23-5	
Thallium	ND ug/L		0.50	5	03/23/13 08:03	03/24/13 17:10	7440-28-0	D3
Vanadium	0.89 ug/L		0.50	5	03/23/13 08:03	03/24/13 17:10	7440-62-2	
Zinc	ND ug/L		25.0	5	03/23/13 08:03	03/24/13 17:10	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND ug/L		0.20	1	03/23/13 09:00	03/25/13 10:35	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 15:58	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/27/13 15:58	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 15:58	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/27/13 15:58	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/27/13 15:58	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/27/13 15:58	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/27/13 15:58	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/27/13 15:58	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/27/13 15:58	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 15:58	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/27/13 15:58	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/27/13 15:58	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 15:58	106-46-7	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3089979

Sample: GL-13 (-26)		Lab ID: 3089979008	Collected: 03/20/13 13:33	Received: 03/21/13 09:35	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
2-Butanone (MEK)	ND	ug/L	5.0	1		03/27/13 15:58	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		03/27/13 15:58	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/27/13 15:58	108-10-1	
Acetone	ND	ug/L	5.0	1		03/27/13 15:58	67-64-1	
Acrylonitrile	ND	ug/L	2.0	1		03/27/13 15:58	107-13-1	
Benzene	ND	ug/L	1.0	1		03/27/13 15:58	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/27/13 15:58	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/27/13 15:58	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/27/13 15:58	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/27/13 15:58	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		03/27/13 15:58	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/27/13 15:58	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/27/13 15:58	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/27/13 15:58	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/27/13 15:58	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/27/13 15:58	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/27/13 15:58	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/27/13 15:58	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/27/13 15:58	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/27/13 15:58	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/27/13 15:58	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/27/13 15:58	75-09-2	
Styrene	ND	ug/L	1.0	1		03/27/13 15:58	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/27/13 15:58	127-18-4	
Toluene	ND	ug/L	1.0	1		03/27/13 15:58	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/27/13 15:58	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/27/13 15:58	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/27/13 15:58	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/27/13 15:58	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/27/13 15:58	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/27/13 15:58	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 15:58	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/27/13 15:58	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 15:58	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/27/13 15:58	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	99 %		85-115	1		03/27/13 15:58	460-00-4	
1,2-Dichloroethane-d4 (S)	90 %		77-119	1		03/27/13 15:58	17060-07-0	
Toluene-d8 (S)	99 %		85-115	1		03/27/13 15:58	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	115	NTU	0.50	5		03/21/13 15:49		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	ND	mg/L	1.0	1		03/27/13 12:00		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3089979

Sample: GL-13 (-26)		Lab ID: 3089979008		Collected: 03/20/13 13:33	Received: 03/21/13 09:35	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	5.4	Std. Units	0.10	1		03/22/13 22:36		H6
9050 Specific Conductance		Analytical Method: EPA 9050						
Specific Conductance	4300	umhos/cm	1.0	1		03/28/13 16:20		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	8.9	mg/L	0.10	1		03/26/13 08:48	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	864	mg/L	10.0	1		03/28/13 08:40		
4500 Chloride		Analytical Method: SM 4500-Cl-E						
Chloride	141	mg/L	30.0	10		03/26/13 15:46	16887-00-6	
SM4500NO2-B, Nitrite, unpres		Analytical Method: SM 4500-NO2 B						
Nitrite as N	0.020	mg/L	0.010	1		03/21/13 18:04	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd		Analytical Method: SM 4500-NO3 F						
Nitrate as N	ND	mg/L	0.060	1		03/25/13 09:16	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3089979

Sample: GL-11 (-31)	Lab ID: 3089979009	Collected: 03/20/13 14:33	Received: 03/21/13 09:35	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)	Analytical Method: SM 2340B							
Total Hardness	688	mg/L	2.1	1		03/26/13 11:34		
	Analytical Method: EPA 6010B Preparation Method: EPA 3005							
Calcium	81400	ug/L	1000	1	03/25/13 11:32	03/26/13 11:34	7440-70-2	
Magnesium	118000	ug/L	200	1	03/25/13 11:32	03/26/13 11:34	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony	ND	ug/L	2.5	5	03/23/13 08:03	03/24/13 17:20	7440-36-0	D3
Arsenic	8.3	ug/L	2.5	5	03/23/13 08:03	03/24/13 17:20	7440-38-2	
Barium	252	ug/L	1.5	5	03/23/13 08:03	03/24/13 17:20	7440-39-3	
Beryllium	1.6	ug/L	1.0	5	03/23/13 08:03	03/24/13 17:20	7440-41-7	
Cadmium	ND	ug/L	0.40	5	03/23/13 08:03	03/24/13 17:20	7440-43-9	D3
Calcium	79400	ug/L	100	5	03/23/13 08:03	03/24/13 17:20	7440-70-2	
Chromium	34.3	ug/L	2.5	5	03/23/13 08:03	03/24/13 17:20	7440-47-3	
Cobalt	5.4	ug/L	2.5	5	03/23/13 08:03	03/24/13 17:20	7440-48-4	
Copper	29.1	ug/L	2.5	5	03/23/13 08:03	03/24/13 17:20	7440-50-8	
Iron	378000	ug/L	2500	50	03/23/13 08:03	03/24/13 17:24	7439-89-6	
Lead	14.8	ug/L	0.50	5	03/23/13 08:03	03/24/13 17:20	7439-92-1	
Magnesium	104000	ug/L	25.0	5	03/23/13 08:03	03/24/13 17:20	7439-95-4	
Manganese	9850	ug/L	25.0	50	03/23/13 08:03	03/24/13 17:24	7439-96-5	
Nickel	61.8	ug/L	2.5	5	03/23/13 08:03	03/24/13 17:20	7440-02-0	
Potassium	2490	ug/L	100	5	03/23/13 08:03	03/24/13 17:20	7440-09-7	
Selenium	ND	ug/L	2.5	5	03/23/13 08:03	03/24/13 17:20	7782-49-2	D3
Silver	ND	ug/L	2.5	5	03/23/13 08:03	03/24/13 17:20	7440-22-4	D3
Sodium	15900	ug/L	250	5	03/23/13 08:03	03/24/13 17:20	7440-23-5	
Thallium	ND	ug/L	0.50	5	03/23/13 08:03	03/24/13 17:20	7440-28-0	D3
Vanadium	71.8	ug/L	0.50	5	03/23/13 08:03	03/24/13 17:20	7440-62-2	
Zinc	38.4	ug/L	25.0	5	03/23/13 08:03	03/24/13 17:20	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	03/23/13 09:00	03/25/13 10:37	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/27/13 16:23	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/27/13 16:23	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/27/13 16:23	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/27/13 16:23	79-00-5	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/27/13 16:23	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		03/27/13 16:23	75-35-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/27/13 16:23	96-18-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		03/27/13 16:23	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/27/13 16:23	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/27/13 16:23	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/27/13 16:23	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/27/13 16:23	78-87-5	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/27/13 16:23	106-46-7	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3089979

Sample: GL-11 (-31)		Lab ID: 3089979009	Collected: 03/20/13 14:33	Received: 03/21/13 09:35	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
2-Butanone (MEK)	ND ug/L		5.0	1		03/27/13 16:23	78-93-3	
2-Hexanone	ND ug/L		5.0	1		03/27/13 16:23	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		03/27/13 16:23	108-10-1	
Acetone	ND ug/L		5.0	1		03/27/13 16:23	67-64-1	
Acrylonitrile	ND ug/L		2.0	1		03/27/13 16:23	107-13-1	
Benzene	ND ug/L		1.0	1		03/27/13 16:23	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		03/27/13 16:23	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		03/27/13 16:23	75-27-4	
Bromoform	ND ug/L		1.0	1		03/27/13 16:23	75-25-2	
Bromomethane	ND ug/L		1.0	1		03/27/13 16:23	74-83-9	
Carbon disulfide	ND ug/L		1.0	1		03/27/13 16:23	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		03/27/13 16:23	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		03/27/13 16:23	108-90-7	
Chloroethane	ND ug/L		1.0	1		03/27/13 16:23	75-00-3	
Chloroform	ND ug/L		1.0	1		03/27/13 16:23	67-66-3	
Chloromethane	ND ug/L		1.0	1		03/27/13 16:23	74-87-3	
Dibromochloromethane	ND ug/L		1.0	1		03/27/13 16:23	124-48-1	
Dibromomethane	ND ug/L		1.0	1		03/27/13 16:23	74-95-3	
Ethylbenzene	ND ug/L		1.0	1		03/27/13 16:23	100-41-4	
Iodomethane	ND ug/L		1.0	1		03/27/13 16:23	74-88-4	
Methyl-tert-butyl ether	ND ug/L		1.0	1		03/27/13 16:23	1634-04-4	
Methylene Chloride	ND ug/L		1.0	1		03/27/13 16:23	75-09-2	
Styrene	ND ug/L		1.0	1		03/27/13 16:23	100-42-5	
Tetrachloroethene	ND ug/L		1.0	1		03/27/13 16:23	127-18-4	
Toluene	ND ug/L		1.0	1		03/27/13 16:23	108-88-3	
Trichloroethene	ND ug/L		1.0	1		03/27/13 16:23	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		03/27/13 16:23	75-69-4	
Vinyl acetate	ND ug/L		1.0	1		03/27/13 16:23	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		03/27/13 16:23	75-01-4	
Xylene (Total)	ND ug/L		1.0	1		03/27/13 16:23	1330-20-7	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		03/27/13 16:23	156-59-2	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		03/27/13 16:23	10061-01-5	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		03/27/13 16:23	156-60-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		03/27/13 16:23	10061-02-6	
trans-1,4-Dichloro-2-butene	ND ug/L		1.0	1		03/27/13 16:23	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	98 %		85-115	1		03/27/13 16:23	460-00-4	
1,2-Dichloroethane-d4 (S)	93 %		77-119	1		03/27/13 16:23	17060-07-0	
Toluene-d8 (S)	98 %		85-115	1		03/27/13 16:23	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	258 NTU		1.0	10		03/21/13 15:49		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	126 mg/L		10.0	1		03/27/13 12:00		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3089979

Sample: GL-11 (-31)		Lab ID: 3089979009		Collected: 03/20/13 14:33	Received: 03/21/13 09:35	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	7.2	Std. Units	0.10	1		03/22/13 22:36		H6
9050 Specific Conductance		Analytical Method: EPA 9050						
Specific Conductance	427	umhos/cm	1.0	1		03/28/13 16:20		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	2.1	mg/L	0.10	1		03/26/13 08:49	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	70.4	mg/L	10.0	1		03/28/13 08:40		
4500 Chloride		Analytical Method: SM 4500-Cl-E						
Chloride	43.1	mg/L	3.0	1		03/26/13 15:43	16887-00-6	
SM4500NO2-B, Nitrite, unpres		Analytical Method: SM 4500-NO2 B						
Nitrite as N	0.014	mg/L	0.010	1		03/21/13 18:06	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd		Analytical Method: SM 4500-NO3 F						
Nitrate as N	ND	mg/L	0.060	1		03/25/13 09:16	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3089979

Sample: GL-11 (-1)	Lab ID: 3089979010	Collected: 03/20/13 14:42	Received: 03/21/13 09:35	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.) Analytical Method: SM 2340B								
Total Hardness	178 mg/L		2.1	1		03/26/13 11:37		
Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Calcium	14600 ug/L		1000	1	03/25/13 11:32	03/26/13 11:37	7440-70-2	
Magnesium	34400 ug/L		200	1	03/25/13 11:32	03/26/13 11:37	7439-95-4	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Antimony	ND ug/L		0.50	1	03/23/13 08:03	03/25/13 10:19	7440-36-0	
Arsenic	1.2 ug/L		0.50	1	03/23/13 08:03	03/25/13 10:19	7440-38-2	
Barium	24.7 ug/L		0.30	1	03/23/13 08:03	03/25/13 10:19	7440-39-3	
Beryllium	3.5 ug/L		0.20	1	03/23/13 08:03	03/25/13 10:19	7440-41-7	
Cadmium	1.6 ug/L		0.080	1	03/23/13 08:03	03/25/13 10:19	7440-43-9	
Calcium	11800 ug/L		20.0	1	03/23/13 08:03	03/25/13 10:19	7440-70-2	
Chromium	1.0 ug/L		0.50	1	03/23/13 08:03	03/25/13 10:19	7440-47-3	
Cobalt	122 ug/L		0.50	1	03/23/13 08:03	03/25/13 10:19	7440-48-4	
Copper	3.1 ug/L		0.50	1	03/23/13 08:03	03/25/13 10:19	7440-50-8	
Iron	5950 ug/L		50.0	1	03/23/13 08:03	03/25/13 10:19	7439-89-6	
Lead	1.2 ug/L		0.10	1	03/23/13 08:03	03/25/13 10:19	7439-92-1	
Magnesium	32000 ug/L		25.0	5	03/23/13 08:03	03/24/13 17:29	7439-95-4	
Manganese	347 ug/L		0.50	1	03/23/13 08:03	03/25/13 10:19	7439-96-5	
Nickel	214 ug/L		0.50	1	03/23/13 08:03	03/25/13 10:19	7440-02-0	
Potassium	476 ug/L		20.0	1	03/23/13 08:03	03/25/13 10:19	7440-09-7	
Selenium	1.7 ug/L		0.50	1	03/23/13 08:03	03/25/13 10:19	7782-49-2	
Silver	ND ug/L		0.50	1	03/23/13 08:03	03/25/13 10:19	7440-22-4	
Sodium	57000 ug/L		250	5	03/23/13 08:03	03/24/13 17:29	7440-23-5	
Thallium	ND ug/L		0.50	5	03/23/13 08:03	03/24/13 17:29	7440-28-0	D3
Vanadium	0.68 ug/L		0.10	1	03/23/13 08:03	03/25/13 10:19	7440-62-2	
Zinc	353 ug/L		5.0	1	03/23/13 08:03	03/25/13 10:19	7440-66-6	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND ug/L		0.20	1	03/23/13 09:00	03/25/13 10:45	7439-97-6	
8260 MSV Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 16:47	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/27/13 16:47	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 16:47	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/27/13 16:47	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/27/13 16:47	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/27/13 16:47	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/27/13 16:47	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/27/13 16:47	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/27/13 16:47	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 16:47	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/27/13 16:47	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/27/13 16:47	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 16:47	106-46-7	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3089979

Sample: GL-11 (-1)		Lab ID: 3089979010	Collected: 03/20/13 14:42	Received: 03/21/13 09:35	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
2-Butanone (MEK)	ND	ug/L	5.0	1		03/27/13 16:47	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		03/27/13 16:47	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/27/13 16:47	108-10-1	
Acetone	ND	ug/L	5.0	1		03/27/13 16:47	67-64-1	
Acrylonitrile	ND	ug/L	2.0	1		03/27/13 16:47	107-13-1	
Benzene	ND	ug/L	1.0	1		03/27/13 16:47	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/27/13 16:47	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/27/13 16:47	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/27/13 16:47	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/27/13 16:47	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		03/27/13 16:47	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/27/13 16:47	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/27/13 16:47	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/27/13 16:47	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/27/13 16:47	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/27/13 16:47	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/27/13 16:47	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/27/13 16:47	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/27/13 16:47	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/27/13 16:47	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/27/13 16:47	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/27/13 16:47	75-09-2	
Styrene	ND	ug/L	1.0	1		03/27/13 16:47	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/27/13 16:47	127-18-4	
Toluene	ND	ug/L	1.0	1		03/27/13 16:47	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/27/13 16:47	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/27/13 16:47	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/27/13 16:47	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/27/13 16:47	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/27/13 16:47	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/27/13 16:47	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 16:47	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/27/13 16:47	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 16:47	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/27/13 16:47	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	101 %		85-115	1		03/27/13 16:47	460-00-4	
1,2-Dichloroethane-d4 (S)	89 %		77-119	1		03/27/13 16:47	17060-07-0	
Toluene-d8 (S)	99 %		85-115	1		03/27/13 16:47	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	2.6	NTU	0.10	1		03/21/13 15:49		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	4.8	mg/L	1.0	1		03/27/13 12:00		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3089979

Sample: GL-11 (-1)		Lab ID: 3089979010		Collected: 03/20/13 14:42	Received: 03/21/13 09:35	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	4.7	Std. Units	0.10	1		03/22/13 22:36		H6
9050 Specific Conductance		Analytical Method: EPA 9050						
Specific Conductance	750	umhos/cm	1.0	1		03/28/13 16:20		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	ND	mg/L	0.10	1		03/26/13 08:50	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	35.6	mg/L	10.0	1		03/28/13 08:40		
4500 Chloride		Analytical Method: SM 4500-Cl-E						
Chloride	125	mg/L	15.0	5		03/26/13 15:43	16887-00-6	
SM4500NO2-B, Nitrite, unpres		Analytical Method: SM 4500-NO2 B						
Nitrite as N	ND	mg/L	0.010	1		03/21/13 18:06	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd		Analytical Method: SM 4500-NO3 F						
Nitrate as N	ND	mg/L	0.060	1		03/25/13 09:16	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3089979

Sample: GL-08 (-3)	Lab ID: 3089979011	Collected: 03/20/13 15:56	Received: 03/21/13 09:35	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)	Analytical Method: SM 2340B							
Total Hardness	427 mg/L		2.1	1		03/26/13 11:40		
	Analytical Method: EPA 6010B Preparation Method: EPA 3005							
Calcium	171000 ug/L		1000	1	03/25/13 11:32	03/26/13 11:40	7440-70-2	
Magnesium	ND ug/L		200	1	03/25/13 11:32	03/26/13 11:40	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony	ND ug/L		2.5	5	03/23/13 08:03	03/24/13 17:39	7440-36-0	D3
Arsenic	8.6 ug/L		2.5	5	03/23/13 08:03	03/24/13 17:39	7440-38-2	
Barium	37.6 ug/L		1.5	5	03/23/13 08:03	03/24/13 17:39	7440-39-3	
Beryllium	ND ug/L		1.0	5	03/23/13 08:03	03/24/13 17:39	7440-41-7	D3
Cadmium	ND ug/L		0.40	5	03/23/13 08:03	03/24/13 17:39	7440-43-9	D3
Calcium	161000 ug/L		1000	50	03/23/13 08:03	03/24/13 17:43	7440-70-2	
Chromium	ND ug/L		2.5	5	03/23/13 08:03	03/24/13 17:39	7440-47-3	D3
Cobalt	ND ug/L		2.5	5	03/23/13 08:03	03/24/13 17:39	7440-48-4	D3
Copper	ND ug/L		2.5	5	03/23/13 08:03	03/24/13 17:39	7440-50-8	D3
Iron	ND ug/L		250	5	03/23/13 08:03	03/24/13 17:39	7439-89-6	
Lead	ND ug/L		0.50	5	03/23/13 08:03	03/24/13 17:39	7439-92-1	D3
Magnesium	86.0 ug/L		25.0	5	03/23/13 08:03	03/24/13 17:39	7439-95-4	
Manganese	3.0 ug/L		2.5	5	03/23/13 08:03	03/24/13 17:39	7439-96-5	
Nickel	9.2 ug/L		2.5	5	03/23/13 08:03	03/24/13 17:39	7440-02-0	
Potassium	66500 ug/L		100	5	03/23/13 08:03	03/24/13 17:39	7440-09-7	
Selenium	ND ug/L		2.5	5	03/23/13 08:03	03/24/13 17:39	7782-49-2	D3
Silver	ND ug/L		2.5	5	03/23/13 08:03	03/24/13 17:39	7440-22-4	D3
Sodium	195000 ug/L		2500	50	03/23/13 08:03	03/24/13 17:43	7440-23-5	
Thallium	ND ug/L		0.50	5	03/23/13 08:03	03/24/13 17:39	7440-28-0	D3
Vanadium	20.6 ug/L		0.50	5	03/23/13 08:03	03/24/13 17:39	7440-62-2	
Zinc	ND ug/L		25.0	5	03/23/13 08:03	03/24/13 17:39	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND ug/L		0.20	1	03/23/13 09:00	03/25/13 10:47	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	32.4 ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	83-32-9	
Acenaphthylene	20.9 ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	208-96-8	
Anthracene	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	120-12-7	
Azobenzene	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	103-33-3	N2
Benzo(a)anthracene	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	56-55-3	
Benzo(a)pyrene	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	50-32-8	
Benzo(b)fluoranthene	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	191-24-2	
Benzo(k)fluoranthene	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	207-08-9	
Benzoic acid	ND ug/L		1080	10	03/26/13 08:30	03/27/13 14:53	65-85-0	
Benzyl alcohol	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	100-51-6	
4-Bromophenylphenyl ether	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	101-55-3	
Butylbenzylphthalate	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	85-68-7	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3089979

Sample: GL-08 (-3)	Lab ID: 3089979011	Collected: 03/20/13 15:56	Received: 03/21/13 09:35	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic								
Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Carbazole	139 ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	86-74-8	
4-Chloro-3-methylphenol	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	59-50-7	
4-Chloroaniline	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	111-91-1	
bis(2-Chloroethyl) ether	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	108-60-1	
2-Chloronaphthalene	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	91-58-7	
2-Chlorophenol	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	95-57-8	
4-Chlorophenylphenyl ether	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	7005-72-3	
Chrysene	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	53-70-3	
Dibenzofuran	35.3 ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	132-64-9	
1,2-Dichlorobenzene	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	95-50-1	
1,3-Dichlorobenzene	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	541-73-1	
1,4-Dichlorobenzene	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	106-46-7	
3,3'-Dichlorobenzidine	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	91-94-1	
2,4-Dichlorophenol	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	120-83-2	
Diethylphthalate	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	84-66-2	
2,4-Dimethylphenol	126 ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	105-67-9	
Dimethylphthalate	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	131-11-3	
Di-n-butylphthalate	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/L		27.0	10	03/26/13 08:30	03/27/13 14:53	534-52-1	
2,4-Dinitrophenol	ND ug/L		27.0	10	03/26/13 08:30	03/27/13 14:53	51-28-5	
2,4-Dinitrotoluene	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	121-14-2	
2,6-Dinitrotoluene	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	606-20-2	
Di-n-octylphthalate	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	117-81-7	
Fluoranthene	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	206-44-0	
Fluorene	34.5 ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	86-73-7	
Hexachloro-1,3-butadiene	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	87-68-3	
Hexachlorobenzene	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	118-74-1	
Hexachlorocyclopentadiene	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	77-47-4	
Hexachloroethane	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	193-39-5	
Isophorone	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	78-59-1	
1-Methylnaphthalene	45.3 ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	90-12-0	N2
2-Methylnaphthalene	67.1 ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	91-57-6	
2-Methylphenol(o-Cresol)	44.3 ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	95-48-7	
3&4-Methylphenol(m&p Cresol)	101 ug/L		21.6	10	03/26/13 08:30	03/27/13 14:53		
Naphthalene	1420 ug/L		541	500	03/26/13 08:30	03/28/13 11:17	91-20-3	
2-Nitroaniline	ND ug/L		27.0	10	03/26/13 08:30	03/27/13 14:53	88-74-4	
3-Nitroaniline	ND ug/L		27.0	10	03/26/13 08:30	03/27/13 14:53	99-09-2	
4-Nitroaniline	ND ug/L		27.0	10	03/26/13 08:30	03/27/13 14:53	100-01-6	
Nitrobenzene	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	98-95-3	
2-Nitrophenol	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	88-75-5	
4-Nitrophenol	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	100-02-7	
N-Nitrosodimethylamine	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	62-75-9	

Date: 03/29/2013 06:03 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3089979

Sample: GL-08 (-3)	Lab ID: 3089979011	Collected: 03/20/13 15:56	Received: 03/21/13 09:35	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic								
Analytical Method: EPA 8270 Preparation Method: EPA 3510								
N-Nitroso-di-n-propylamine	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	621-64-7	
N-Nitrosodiphenylamine	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	86-30-6	
Pentachlorophenol	ND ug/L		27.0	10	03/26/13 08:30	03/27/13 14:53	87-86-5	
Phenanthrene	34.1 ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	85-01-8	
Phenol	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	108-95-2	D3
Pyrene	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	129-00-0	
1,2,4-Trichlorobenzene	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	120-82-1	
2,4,5-Trichlorophenol	ND ug/L		27.0	10	03/26/13 08:30	03/27/13 14:53	95-95-4	
2,4,6-Trichlorophenol	ND ug/L		10.8	10	03/26/13 08:30	03/27/13 14:53	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	166 %		35-114	10	03/26/13 08:30	03/27/13 14:53	4165-60-0	S4
2-Fluorobiphenyl (S)	84 %		43-116	10	03/26/13 08:30	03/27/13 14:53	321-60-8	
Terphenyl-d14 (S)	118 %		33-141	10	03/26/13 08:30	03/27/13 14:53	1718-51-0	
Phenol-d6 (S)	26 %		10-110	10	03/26/13 08:30	03/27/13 14:53	13127-88-3	
2-Fluorophenol (S)	40 %		21-110	10	03/26/13 08:30	03/27/13 14:53	367-12-4	
2,4,6-Tribromophenol (S)	88 %		10-123	10	03/26/13 08:30	03/27/13 14:53	118-79-6	
8260 MSV								
Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 14:45	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/27/13 14:45	71-55-6	
1,1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 14:45	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/27/13 14:45	79-00-5	
1,1-Dichloroethane	1.7 ug/L		1.0	1		03/27/13 14:45	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/27/13 14:45	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/27/13 14:45	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/27/13 14:45	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/27/13 14:45	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 14:45	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/27/13 14:45	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/27/13 14:45	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 14:45	106-46-7	
2-Butanone (MEK)	ND ug/L		5.0	1		03/27/13 14:45	78-93-3	
2-Hexanone	6.5 ug/L		5.0	1		03/27/13 14:45	591-78-6	
4-Methyl-2-pentanone (MIBK)	5.6 ug/L		5.0	1		03/27/13 14:45	108-10-1	
Acetone	13.1 ug/L		5.0	1		03/27/13 14:45	67-64-1	
Acrylonitrile	ND ug/L		2.0	1		03/27/13 14:45	107-13-1	
Benzene	168 ug/L		1.0	1		03/27/13 14:45	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		03/27/13 14:45	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		03/27/13 14:45	75-27-4	
Bromoform	ND ug/L		1.0	1		03/27/13 14:45	75-25-2	
Bromomethane	ND ug/L		1.0	1		03/27/13 14:45	74-83-9	
Carbon disulfide	ND ug/L		1.0	1		03/27/13 14:45	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		03/27/13 14:45	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		03/27/13 14:45	108-90-7	
Chloroethane	ND ug/L		1.0	1		03/27/13 14:45	75-00-3	
Chloroform	ND ug/L		1.0	1		03/27/13 14:45	67-66-3	
Chloromethane	ND ug/L		1.0	1		03/27/13 14:45	74-87-3	

Date: 03/29/2013 06:03 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3089979

Sample: GL-08 (-3)		Lab ID: 3089979011	Collected: 03/20/13 15:56	Received: 03/21/13 09:35	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Dibromochloromethane	ND	ug/L	1.0	1		03/27/13 14:45	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/27/13 14:45	74-95-3	
Ethylbenzene	7.8	ug/L	1.0	1		03/27/13 14:45	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/27/13 14:45	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/27/13 14:45	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/27/13 14:45	75-09-2	
Styrene	3.7	ug/L	1.0	1		03/27/13 14:45	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/27/13 14:45	127-18-4	
Toluene	386	ug/L	1.0	1		03/27/13 14:45	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/27/13 14:45	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/27/13 14:45	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/27/13 14:45	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/27/13 14:45	75-01-4	
Xylene (Total)	152	ug/L	1.0	1		03/27/13 14:45	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/27/13 14:45	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 14:45	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/27/13 14:45	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 14:45	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/27/13 14:45	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	97 %		85-115	1		03/27/13 14:45	460-00-4	
1,2-Dichloroethane-d4 (S)	87 %		77-119	1		03/27/13 14:45	17060-07-0	
Toluene-d8 (S)	97 %		85-115	1		03/27/13 14:45	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	4.0	NTU	0.50	5		03/21/13 15:49		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	162	mg/L	10.0	1		03/27/13 12:00		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	10.5	Std. Units	0.10	1		03/22/13 22:36		H6
9050 Specific Conductance		Analytical Method: EPA 9050						
Specific Conductance	2180	umhos/cm	1.0	1		03/28/13 16:20		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	42.3	mg/L	1.0	10		03/26/13 09:12	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	233	mg/L	10.0	1		03/28/13 08:40		
4500 Chloride		Analytical Method: SM 4500-Cl-E						
Chloride	329	mg/L	60.0	20		03/26/13 14:17	16887-00-6	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3089979

Sample: GL-08 (-3)		Lab ID: 3089979011	Collected: 03/20/13 15:56	Received: 03/21/13 09:35	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
SM4500NO2-B, Nitrite, unpres		Analytical Method: SM 4500-NO2 B						
Nitrite as N	ND	mg/L	0.010	1		03/21/13 18:08	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd		Analytical Method: SM 4500-NO3 F						
Nitrate as N	ND	mg/L	0.060	1		03/25/13 09:16	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3089979

Sample: GL-08 (-36)	Lab ID: 3089979012	Collected: 03/20/13 16:14	Received: 03/21/13 09:35	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)		Analytical Method: SM 2340B						
Total Hardness	749 mg/L		2.1	1		03/26/13 11:43		
		Analytical Method: EPA 6010B Preparation Method: EPA 3005						
Calcium	75300 ug/L		1000	1	03/25/13 11:32	03/26/13 11:43	7440-70-2	
Magnesium	136000 ug/L		200	1	03/25/13 11:32	03/26/13 11:43	7439-95-4	
6020 MET ICPMS		Analytical Method: EPA 6020 Preparation Method: EPA 3020						
Antimony	ND ug/L		2.5	5	03/23/13 08:03	03/24/13 17:48	7440-36-0	D3
Arsenic	3.1 ug/L		2.5	5	03/23/13 08:03	03/24/13 17:48	7440-38-2	
Barium	572 ug/L		1.5	5	03/23/13 08:03	03/24/13 17:48	7440-39-3	
Beryllium	ND ug/L		1.0	5	03/23/13 08:03	03/24/13 17:48	7440-41-7	D3
Cadmium	ND ug/L		0.40	5	03/23/13 08:03	03/24/13 17:48	7440-43-9	D3
Calcium	74000 ug/L		100	5	03/23/13 08:03	03/24/13 17:48	7440-70-2	
Chromium	ND ug/L		2.5	5	03/23/13 08:03	03/24/13 17:48	7440-47-3	D3
Cobalt	15.5 ug/L		2.5	5	03/23/13 08:03	03/24/13 17:48	7440-48-4	
Copper	ND ug/L		2.5	5	03/23/13 08:03	03/24/13 17:48	7440-50-8	D3
Iron	215000 ug/L		2500	50	03/23/13 08:03	03/24/13 17:53	7439-89-6	
Lead	ND ug/L		0.50	5	03/23/13 08:03	03/24/13 17:48	7439-92-1	D3
Magnesium	122000 ug/L		250	50	03/23/13 08:03	03/24/13 17:53	7439-95-4	
Manganese	9040 ug/L		25.0	50	03/23/13 08:03	03/24/13 17:53	7439-96-5	
Nickel	10.3 ug/L		2.5	5	03/23/13 08:03	03/24/13 17:48	7440-02-0	
Potassium	7360 ug/L		100	5	03/23/13 08:03	03/24/13 17:48	7440-09-7	
Selenium	ND ug/L		2.5	5	03/23/13 08:03	03/24/13 17:48	7782-49-2	D3
Silver	ND ug/L		2.5	5	03/23/13 08:03	03/24/13 17:48	7440-22-4	D3
Sodium	820000 ug/L		2500	50	03/23/13 08:03	03/24/13 17:53	7440-23-5	
Thallium	ND ug/L		0.50	5	03/23/13 08:03	03/24/13 17:48	7440-28-0	D3
Vanadium	1.3 ug/L		0.50	5	03/23/13 08:03	03/24/13 17:48	7440-62-2	
Zinc	ND ug/L		25.0	5	03/23/13 08:03	03/24/13 17:48	7440-66-6	D3
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury	ND ug/L		0.20	1	03/23/13 09:00	03/25/13 10:49	7439-97-6	
8260 MSV		Analytical Method: EPA 8260						
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 17:11	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/27/13 17:11	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 17:11	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/27/13 17:11	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/27/13 17:11	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/27/13 17:11	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/27/13 17:11	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/27/13 17:11	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/27/13 17:11	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 17:11	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/27/13 17:11	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/27/13 17:11	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 17:11	106-46-7	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3089979

Sample: GL-08 (-36)		Lab ID: 3089979012	Collected: 03/20/13 16:14	Received: 03/21/13 09:35	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
2-Butanone (MEK)	ND	ug/L	5.0	1		03/27/13 17:11	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		03/27/13 17:11	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/27/13 17:11	108-10-1	
Acetone	ND	ug/L	5.0	1		03/27/13 17:11	67-64-1	
Acrylonitrile	ND	ug/L	2.0	1		03/27/13 17:11	107-13-1	
Benzene	ND	ug/L	1.0	1		03/27/13 17:11	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/27/13 17:11	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/27/13 17:11	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/27/13 17:11	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/27/13 17:11	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		03/27/13 17:11	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/27/13 17:11	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/27/13 17:11	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/27/13 17:11	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/27/13 17:11	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/27/13 17:11	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/27/13 17:11	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/27/13 17:11	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/27/13 17:11	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/27/13 17:11	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/27/13 17:11	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/27/13 17:11	75-09-2	
Styrene	ND	ug/L	1.0	1		03/27/13 17:11	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/27/13 17:11	127-18-4	
Toluene	ND	ug/L	1.0	1		03/27/13 17:11	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/27/13 17:11	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/27/13 17:11	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/27/13 17:11	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/27/13 17:11	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/27/13 17:11	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/27/13 17:11	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 17:11	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/27/13 17:11	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 17:11	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/27/13 17:11	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	101 %		85-115	1		03/27/13 17:11	460-00-4	
1,2-Dichloroethane-d4 (S)	90 %		77-119	1		03/27/13 17:11	17060-07-0	
Toluene-d8 (S)	98 %		85-115	1		03/27/13 17:11	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	171	NTU	0.50	5		03/21/13 15:49		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	74.2	mg/L	10.0	1		03/27/13 12:00		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3089979

Sample: GL-08 (-36)		Lab ID: 3089979012		Collected: 03/20/13 16:14	Received: 03/21/13 09:35	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	6.2	Std. Units	0.10	1		03/22/13 22:36		H6
9050 Specific Conductance		Analytical Method: EPA 9050						
Specific Conductance	6100	umhos/cm	1.0	1		03/28/13 16:20		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	4.4	mg/L	0.10	1		03/26/13 08:59	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	416	mg/L	10.0	1		03/28/13 08:40		
4500 Chloride		Analytical Method: SM 4500-Cl-E						
Chloride	1600	mg/L	150	50		03/26/13 15:32	16887-00-6	
SM4500NO2-B, Nitrite, unpres		Analytical Method: SM 4500-NO2 B						
Nitrite as N	0.028	mg/L	0.010	1		03/21/13 18:52	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd		Analytical Method: SM 4500-NO3 F						
Nitrate as N	ND	mg/L	0.060	1		03/25/13 09:16	14797-55-8	

QUALITY CONTROL DATA

Project: Grey's Landfill
Pace Project No.: 3089979

QC Batch: MERP/8177 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 3089979001, 3089979002, 3089979003, 3089979004, 3089979005, 3089979006, 3089979007, 3089979008,
3089979009, 3089979010, 3089979011, 3089979012

METHOD BLANK: 1396282 Matrix: Water
Associated Lab Samples: 3089979001, 3089979002, 3089979003, 3089979004, 3089979005, 3089979006, 3089979007, 3089979008,
3089979009, 3089979010, 3089979011, 3089979012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	03/25/13 10:03	

LABORATORY CONTROL SAMPLE: 1396283

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.5	110	80-120	

MATRIX SPIKE SAMPLE: 1396286

Parameter	Units	3089979001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5.2	5	5.3	2	80-120 M1	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1396860 1396861

Parameter	Units	3089979004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Mercury	ug/L	ND	5	5	5.3	5.5	106	109	80-120	3	

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3089979

QC Batch: MPRP/10353

Analysis Method: EPA 6010B

QC Batch Method: EPA 3005

Analysis Description: 6010 MET

Associated Lab Samples: 3089979001, 3089979002, 3089979003, 3089979004, 3089979005, 3089979006, 3089979007, 3089979008, 3089979009, 3089979010, 3089979011, 3089979012

METHOD BLANK: 558606

Matrix: Water

Associated Lab Samples: 3089979001, 3089979002, 3089979003, 3089979004, 3089979005, 3089979006, 3089979007, 3089979008, 3089979009, 3089979010, 3089979011, 3089979012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Calcium	ug/L	ND	1000	03/26/13 09:51	
Magnesium	ug/L	ND	200	03/26/13 09:51	

LABORATORY CONTROL SAMPLE: 558607

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	ug/L	5000	5620	112	80-120	
Magnesium	ug/L	5000	5580	112	80-120	

MATRIX SPIKE SAMPLE: 558609

Parameter	Units	3090158001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Calcium	ug/L	23700	5000	29500	116	80-120	
Magnesium	ug/L	4360	5000	10100	114	80-120	

SAMPLE DUPLICATE: 558608

Parameter	Units	3090158001 Result	Dup Result	RPD	Qualifiers
Calcium	ug/L	23700	24000	1	
Magnesium	ug/L	4360	4400	.9	

QUALITY CONTROL DATA

Project: Grey's Landfill
Pace Project No.: 3089979

QC Batch: MPRP/38154 Analysis Method: EPA 6020
QC Batch Method: EPA 3020 Analysis Description: 6020 MET
Associated Lab Samples: 3089979001, 3089979002, 3089979003, 3089979004, 3089979005, 3089979006, 3089979007, 3089979008, 3089979009, 3089979010, 3089979011, 3089979012

METHOD BLANK: 1396578 Matrix: Water
Associated Lab Samples: 3089979001, 3089979002, 3089979003, 3089979004, 3089979005, 3089979006, 3089979007, 3089979008, 3089979009, 3089979010, 3089979011, 3089979012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	0.50	03/25/13 09:33	
Arsenic	ug/L	ND	0.50	03/25/13 09:33	
Barium	ug/L	ND	0.30	03/25/13 09:33	
Beryllium	ug/L	ND	0.20	03/25/13 09:33	
Cadmium	ug/L	ND	0.080	03/25/13 09:33	
Calcium	ug/L	ND	20.0	03/25/13 09:33	
Chromium	ug/L	ND	0.50	03/25/13 09:33	
Cobalt	ug/L	ND	0.50	03/25/13 09:33	
Copper	ug/L	ND	0.50	03/25/13 09:33	
Iron	ug/L	ND	50.0	03/25/13 09:33	
Lead	ug/L	ND	0.10	03/25/13 09:33	
Magnesium	ug/L	ND	5.0	03/25/13 09:33	
Manganese	ug/L	ND	0.50	03/25/13 09:33	
Nickel	ug/L	ND	0.50	03/25/13 09:33	
Potassium	ug/L	ND	20.0	03/25/13 09:33	
Selenium	ug/L	ND	0.50	03/25/13 09:33	
Silver	ug/L	ND	0.50	03/25/13 09:33	
Sodium	ug/L	ND	50.0	03/25/13 09:33	
Thallium	ug/L	ND	0.10	03/24/13 15:20	
Vanadium	ug/L	ND	0.10	03/25/13 09:33	
Zinc	ug/L	ND	5.0	03/25/13 09:33	

LABORATORY CONTROL SAMPLE: 1396579

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	80	74.0	93	80-120	
Arsenic	ug/L	80	79.5	99	80-120	
Barium	ug/L	80	78.8	99	80-120	
Beryllium	ug/L	80	83.0	104	80-120	
Cadmium	ug/L	80	78.1	98	80-120	
Calcium	ug/L	1000	1050	105	80-120	
Chromium	ug/L	80	75.7	95	80-120	
Cobalt	ug/L	80	76.1	95	80-120	
Copper	ug/L	80	81.4	102	80-120	
Iron	ug/L	1000	979	98	80-120	
Lead	ug/L	80	74.2	93	80-120	
Magnesium	ug/L	1000	971	97	80-120	
Manganese	ug/L	80	78.1	98	80-120	
Nickel	ug/L	80	81.6	102	80-120	
Potassium	ug/L	1000	1060	106	80-120	

QUALITY CONTROL DATA

Project: Grey's Landfill
Pace Project No.: 3089979

LABORATORY CONTROL SAMPLE: 1396579

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Selenium	ug/L	80	79.1	99	80-120	
Silver	ug/L	80	77.8	97	80-120	
Sodium	ug/L	1000	1040	104	80-120	
Thallium	ug/L	80	75.8	95	80-120	
Vanadium	ug/L	80	77.8	97	80-120	
Zinc	ug/L	80	78.5	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1396580 1396581

Parameter	Units	3089979003		MSD		MS		MSD		% Rec Limits	RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec				
Antimony	ug/L	ND	80	80	74.6	73.4	93	92	75-125	2		
Arsenic	ug/L	2.6	80	80	82.0	84.7	99	103	75-125	3		
Barium	ug/L	47.2	80	80	126	127	99	100	75-125	.9		
Beryllium	ug/L	ND	80	80	79.4	83.0	99	104	75-125	5		
Cadmium	ug/L	ND	80	80	80.0	78.2	100	98	75-125	2		
Calcium	ug/L	8280	1000	1000	12300	11700	404	339	75-125	5 M6		
Chromium	ug/L	1.9	80	80	78.4	79.4	96	97	75-125	1		
Cobalt	ug/L	ND	80	80	79.7	80.6	99	100	75-125	1		
Copper	ug/L	0.99	80	80	83.9	83.4	104	103	75-125	.7		
Iron	ug/L	51400	1000	1000	52200	51200	75	-20	75-125	2 M6		
Lead	ug/L	0.68	80	80	77.1	75.5	96	94	75-125	2		
Magnesium	ug/L	6370	1000	1000	7860	7420	149	104	75-125	6 M6		
Manganese	ug/L	818	80	80	916	917	123	124	75-125	.1		
Nickel	ug/L	0.81	80	80	82.3	87.2	102	108	75-125	6		
Potassium	ug/L	762	1000	1000	2460	2200	170	144	75-125	11 M6		
Selenium	ug/L	ND	80	80	81.1	78.6	101	98	75-125	3		
Silver	ug/L	ND	80	80	54.7	45.3	68	57	75-125	19 M6		
Sodium	ug/L	19700	1000	1000	22400	21700	262	194	75-125	3 M6		
Thallium	ug/L	ND	80	80	75.8	74.2	95	92	75-125	2		
Vanadium	ug/L	1.9	80	80	80.9	77.6	99	95	75-125	4		
Zinc	ug/L	7.3	80	80	92.6J	86.2J	107	99	75-125			

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3089979

METHOD BLANK: 559580

Matrix: Water

Associated Lab Samples: 3089979001, 3089979002, 3089979003, 3089979004, 3089979005, 3089979006, 3089979007, 3089979008, 3089979009, 3089979010, 3089979011, 3089979012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	1.0	03/27/13 11:55	
trans-1,4-Dichloro-2-butene	ug/L	ND	5.0	03/27/13 11:55	N2
Trichloroethene	ug/L	ND	1.0	03/27/13 11:55	
Trichlorofluoromethane	ug/L	ND	1.0	03/27/13 11:55	
Vinyl acetate	ug/L	ND	10.0	03/27/13 11:55	
Vinyl chloride	ug/L	ND	1.0	03/27/13 11:55	
Xylene (Total)	ug/L	ND	3.0	03/27/13 11:55	
1,2-Dichloroethane-d4 (S)	%	87	77-119	03/27/13 11:55	
4-Bromofluorobenzene (S)	%	102	85-115	03/27/13 11:55	
Toluene-d8 (S)	%	96	85-115	03/27/13 11:55	

LABORATORY CONTROL SAMPLE: 559581

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	17.9	89	69-122	
1,1,1-Trichloroethane	ug/L	20	19.5	97	62-125	
1,1,2,2-Tetrachloroethane	ug/L	20	15.7	78	61-117	
1,1,2-Trichloroethane	ug/L	20	17.9	90	72-119	
1,1-Dichloroethane	ug/L	20	21.2	106	63-123	
1,1-Dichloroethene	ug/L	20	22.8	114	57-127	
1,2,3-Trichloropropane	ug/L	20	16.0	80	69-121	
1,2-Dibromo-3-chloropropane	ug/L	20	14.6	73	50-133	
1,2-Dibromoethane (EDB)	ug/L	20	18.2	91	70-118	
1,2-Dichlorobenzene	ug/L	20	18.9	95	70-116	
1,2-Dichloroethane	ug/L	20	17.3	87	62-125	
1,2-Dichloropropane	ug/L	20	17.8	89	69-115	
1,4-Dichlorobenzene	ug/L	20	19.1	95	67-119	
2-Butanone (MEK)	ug/L	20	16.7	84	48-136	
2-Hexanone	ug/L	20	17.5	88	52-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	15.6	78	57-124	
Acetone	ug/L	20	14.7	74	49-138	
Acrylonitrile	ug/L	20	13.0	65	70-130	L2
Benzene	ug/L	20	19.7	98	66-122	
Bromochloromethane	ug/L	20	20.9	105	61-126	
Bromodichloromethane	ug/L	20	16.7	83	63-118	
Bromoform	ug/L	20	15.6	78	46-130	
Bromomethane	ug/L	20	18.8	94	10-175	
Carbon disulfide	ug/L	20	26.3	132	59-142	
Carbon tetrachloride	ug/L	20	18.0	90	55-126	
Chlorobenzene	ug/L	20	19.5	98	70-121	
Chloroethane	ug/L	20	23.3	116	24-161	
Chloroform	ug/L	20	19.4	97	62-126	
Chloromethane	ug/L	20	21.9	109	37-147	
cis-1,2-Dichloroethene	ug/L	20	20.0	100	64-121	

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3089979

LABORATORY CONTROL SAMPLE: 559581

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	20	19.0	95	64-118	
Dibromochloromethane	ug/L	20	17.8	89	60-120	
Dibromomethane	ug/L	20	19.7	99	67-124	
Ethylbenzene	ug/L	20	19.6	98	69-119	
Iodomethane	ug/L	20	14J	70	70-130	N2
Methyl-tert-butyl ether	ug/L	20	17.6	88	58-131	
Methylene Chloride	ug/L	20	19.4	97	59-128	
Styrene	ug/L	20	24.6	123	67-146	
Tetrachloroethene	ug/L	20	19.7	99	62-125	
Toluene	ug/L	20	19.8	99	72-115	
trans-1,2-Dichloroethene	ug/L	20	20.9	105	59-122	
trans-1,3-Dichloropropene	ug/L	20	16.9	85	64-120	
trans-1,4-Dichloro-2-butene	ug/L	20	13.8	69	70-130	L2,N2
Trichloroethene	ug/L	20	20.3	102	62-125	
Trichlorofluoromethane	ug/L	20	18.5	92	54-158	
Vinyl acetate	ug/L		ND			
Vinyl chloride	ug/L	20	23.1	116	52-145	
Xylene (Total)	ug/L	60	58.9	98	70-123	
1,2-Dichloroethane-d4 (S)	%			86	77-119	
4-Bromofluorobenzene (S)	%			97	85-115	
Toluene-d8 (S)	%			97	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 559582 559583

Parameter	Units	3089979001		MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.							
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	20	18.4	19.6	92	98	69-122	6	
1,1,1-Trichloroethane	ug/L	ND	20	20	20	20.2	21.8	101	109	62-125	8	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	20	17.1	18.4	85	92	61-117	7	
1,1,2-Trichloroethane	ug/L	ND	20	20	20	18.4	19.2	92	96	72-119	4	
1,1-Dichloroethane	ug/L	ND	20	20	20	21.9	22.9	110	115	63-123	4	
1,1-Dichloroethene	ug/L	ND	20	20	20	24.5	25.4	123	127	57-127	3	
1,2,3-Trichloropropane	ug/L	ND	20	20	20	16.6	17.4	83	87	69-121	5	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	20	15.6	16.5	78	82	50-133	5	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	20	18.2	19.3	91	96	70-118	6	
1,2-Dichlorobenzene	ug/L	ND	20	20	20	19.2	20.4	96	102	70-116	6	
1,2-Dichloroethane	ug/L	ND	20	20	20	17.5	19.0	88	95	62-125	8	
1,2-Dichloropropane	ug/L	ND	20	20	20	18.4	19.8	92	99	69-115	7	
1,4-Dichlorobenzene	ug/L	ND	20	20	20	19.5	20.3	97	101	67-119	4	
2-Butanone (MEK)	ug/L	ND	20	20	20	15.7	17.7	78	89	48-136	12	
2-Hexanone	ug/L	ND	20	20	20	17.9	18.4	89	92	52-130	3	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20	20	20	16.1	16.6	80	83	57-124	3	
Acetone	ug/L	ND	20	20	20	15.3	18.1	76	91	49-138	17	
Acrylonitrile	ug/L	ND	20	20	20	10.9	13.3	54	67	70-130	20	M0
Benzene	ug/L	ND	20	20	20	20.6	21.9	103	109	66-122	6	
Bromochloromethane	ug/L	ND	20	20	20	19.9	22.1	100	110	61-126	10	
Bromodichloromethane	ug/L	ND	20	20	20	17.3	18.6	87	93	63-118	7	

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QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3089979

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 559582 559583												
Parameter	Units	3089979001		MS	MSD	MS		MSD		% Rec	RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits		
Bromoform	ug/L	ND	20	20	20	15.5	16.6	78	83	46-130	7	
Bromomethane	ug/L	ND	20	20	20	11.9	12.4	60	62	10-175	4	
Carbon disulfide	ug/L	ND	20	20	20	24.6	29.0	123	145	59-142	16	M0
Carbon tetrachloride	ug/L	ND	20	20	20	18.9	20.3	95	102	55-126	7	
Chlorobenzene	ug/L	ND	20	20	20	19.8	20.9	99	105	70-121	5	
Chloroethane	ug/L	ND	20	20	20	25.6	26.9	128	135	24-161	5	
Chloroform	ug/L	ND	20	20	20	19.7	21.6	99	108	62-126	9	
Chloromethane	ug/L	ND	20	20	20	21.8	23.1	109	115	37-147	6	
cis-1,2-Dichloroethene	ug/L	ND	20	20	20	20.4	21.9	102	110	64-121	7	
cis-1,3-Dichloropropene	ug/L	ND	20	20	20	19.2	20.7	96	103	64-118	7	
Dibromochloromethane	ug/L	ND	20	20	20	18.4	19.6	92	98	60-120	6	
Dibromomethane	ug/L	ND	20	20	20	19.9	21.5	100	107	67-124	7	
Ethylbenzene	ug/L	ND	20	20	20	20.4	21.5	102	107	69-119	5	
Iodomethane	ug/L	ND	20	20	20	16.6J	21.2J	83	106	70-130		N2
Methyl-tert-butyl ether	ug/L	ND	20	20	20	15.8	17.8	79	89	58-131	12	
Methylene Chloride	ug/L	ND	20	20	20	18.7	21.1	94	106	59-128	12	
Styrene	ug/L	ND	20	20	20	24.6	26.4	123	132	67-146	7	
Tetrachloroethene	ug/L	ND	20	20	20	21.3	22.6	106	113	62-125	6	
Toluene	ug/L	ND	20	20	20	20.1	21.5	101	108	72-115	7	
trans-1,2-Dichloroethene	ug/L	ND	20	20	20	21.6	22.7	108	113	59-122	5	
trans-1,3-Dichloropropene	ug/L	ND	20	20	20	17.0	18.2	85	91	64-120	7	
trans-1,4-Dichloro-2-butene	ug/L	ND	20	20	20	12.4	14.5	62	73	70-130	16	M0,N2
Trichloroethene	ug/L	ND	20	20	20	19.9	21.9	99	109	62-125	9	
Trichlorofluoromethane	ug/L	ND	20	20	20	22.4	18.9	112	94	54-158	17	
Vinyl acetate	ug/L	ND				ND	ND					
Vinyl chloride	ug/L	ND	20	20	20	25.4	26.7	127	134	52-145	5	
Xylene (Total)	ug/L	ND	60	60	60	60.2	62.8	100	105	70-123	4	
1,2-Dichloroethane-d4 (S)	%							88	89	77-119		
4-Bromofluorobenzene (S)	%							97	97	85-115		
Toluene-d8 (S)	%							97	98	85-115		

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3089979

QC Batch: OEXT/14600

Analysis Method: EPA 8270

QC Batch Method: EPA 3510

Analysis Description: 8270 Water MSSV

Associated Lab Samples: 3089979011

METHOD BLANK: 559055

Matrix: Water

Associated Lab Samples: 3089979011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	1.0	03/27/13 13:46	
1,2-Dichlorobenzene	ug/L	ND	1.0	03/27/13 13:46	
1,3-Dichlorobenzene	ug/L	ND	1.0	03/27/13 13:46	
1,4-Dichlorobenzene	ug/L	ND	1.0	03/27/13 13:46	
1-Methylnaphthalene	ug/L	ND	1.0	03/27/13 13:46	N2
2,4,5-Trichlorophenol	ug/L	ND	2.5	03/27/13 13:46	
2,4,6-Trichlorophenol	ug/L	ND	1.0	03/27/13 13:46	
2,4-Dichlorophenol	ug/L	ND	1.0	03/27/13 13:46	
2,4-Dimethylphenol	ug/L	ND	1.0	03/27/13 13:46	
2,4-Dinitrophenol	ug/L	ND	2.5	03/27/13 13:46	
2,4-Dinitrotoluene	ug/L	ND	1.0	03/27/13 13:46	
2,6-Dinitrotoluene	ug/L	ND	1.0	03/27/13 13:46	
2-Chloronaphthalene	ug/L	ND	1.0	03/27/13 13:46	
2-Chlorophenol	ug/L	ND	1.0	03/27/13 13:46	
2-Methylnaphthalene	ug/L	ND	1.0	03/27/13 13:46	
2-Methylphenol(o-Cresol)	ug/L	ND	1.0	03/27/13 13:46	
2-Nitroaniline	ug/L	ND	2.5	03/27/13 13:46	
2-Nitrophenol	ug/L	ND	1.0	03/27/13 13:46	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	2.0	03/27/13 13:46	
3,3'-Dichlorobenzidine	ug/L	ND	1.0	03/27/13 13:46	
3-Nitroaniline	ug/L	ND	2.5	03/27/13 13:46	
4,6-Dinitro-2-methylphenol	ug/L	ND	2.5	03/27/13 13:46	
4-Bromophenylphenyl ether	ug/L	ND	1.0	03/27/13 13:46	
4-Chloro-3-methylphenol	ug/L	ND	1.0	03/27/13 13:46	
4-Chloroaniline	ug/L	ND	1.0	03/27/13 13:46	
4-Chlorophenylphenyl ether	ug/L	ND	1.0	03/27/13 13:46	
4-Nitroaniline	ug/L	ND	2.5	03/27/13 13:46	
4-Nitrophenol	ug/L	ND	1.0	03/27/13 13:46	
Acenaphthene	ug/L	ND	1.0	03/27/13 13:46	
Acenaphthylene	ug/L	ND	1.0	03/27/13 13:46	
Anthracene	ug/L	ND	1.0	03/27/13 13:46	
Azobenzene	ug/L	ND	1.0	03/27/13 13:46	N2
Benzo(a)anthracene	ug/L	ND	1.0	03/27/13 13:46	
Benzo(a)pyrene	ug/L	ND	1.0	03/27/13 13:46	
Benzo(b)fluoranthene	ug/L	ND	1.0	03/27/13 13:46	
Benzo(g,h,i)perylene	ug/L	ND	1.0	03/27/13 13:46	
Benzo(k)fluoranthene	ug/L	ND	1.0	03/27/13 13:46	
Benzoic acid	ug/L	ND	100	03/27/13 13:46	
Benzyl alcohol	ug/L	ND	1.0	03/27/13 13:46	
bis(2-Chloroethoxy)methane	ug/L	ND	1.0	03/27/13 13:46	
bis(2-Chloroethyl) ether	ug/L	ND	1.0	03/27/13 13:46	
bis(2-Chloroisopropyl) ether	ug/L	ND	1.0	03/27/13 13:46	
bis(2-Ethylhexyl)phthalate	ug/L	ND	1.0	03/27/13 13:46	

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QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3089979

METHOD BLANK: 559055

Matrix: Water

Associated Lab Samples: 3089979011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Butylbenzylphthalate	ug/L	ND	1.0	03/27/13 13:46	
Carbazole	ug/L	ND	1.0	03/27/13 13:46	
Chrysene	ug/L	ND	1.0	03/27/13 13:46	
Di-n-butylphthalate	ug/L	ND	1.0	03/27/13 13:46	
Di-n-octylphthalate	ug/L	ND	1.0	03/27/13 13:46	
Dibenz(a,h)anthracene	ug/L	ND	1.0	03/27/13 13:46	
Dibenzofuran	ug/L	ND	1.0	03/27/13 13:46	
Diethylphthalate	ug/L	ND	1.0	03/27/13 13:46	
Dimethylphthalate	ug/L	ND	1.0	03/27/13 13:46	
Fluoranthene	ug/L	ND	1.0	03/27/13 13:46	
Fluorene	ug/L	ND	1.0	03/27/13 13:46	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	03/27/13 13:46	
Hexachlorobenzene	ug/L	ND	1.0	03/27/13 13:46	
Hexachlorocyclopentadiene	ug/L	ND	1.0	03/27/13 13:46	
Hexachloroethane	ug/L	ND	1.0	03/27/13 13:46	
Indeno(1,2,3-cd)pyrene	ug/L	ND	1.0	03/27/13 13:46	
Isophorone	ug/L	ND	1.0	03/27/13 13:46	
N-Nitroso-di-n-propylamine	ug/L	ND	1.0	03/27/13 13:46	
N-Nitrosodimethylamine	ug/L	ND	1.0	03/27/13 13:46	
N-Nitrosodiphenylamine	ug/L	ND	1.0	03/27/13 13:46	
Naphthalene	ug/L	ND	1.0	03/27/13 13:46	
Nitrobenzene	ug/L	ND	1.0	03/27/13 13:46	
Pentachlorophenol	ug/L	ND	2.5	03/27/13 13:46	
Phenanthrene	ug/L	ND	1.0	03/27/13 13:46	
Phenol	ug/L	ND	1.0	03/27/13 13:46	
Pyrene	ug/L	ND	1.0	03/27/13 13:46	
2,4,6-Tribromophenol (S)	%	58	10-123	03/27/13 13:46	
2-Fluorobiphenyl (S)	%	61	43-116	03/27/13 13:46	
2-Fluorophenol (S)	%	34	21-110	03/27/13 13:46	
Nitrobenzene-d5 (S)	%	54	35-114	03/27/13 13:46	
Phenol-d6 (S)	%	22	10-110	03/27/13 13:46	
Terphenyl-d14 (S)	%	108	33-141	03/27/13 13:46	

LABORATORY CONTROL SAMPLE: 559056

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	5	3.2	64	12-105	
1,2-Dichlorobenzene	ug/L		3.2			
1,3-Dichlorobenzene	ug/L		3.3			
1,4-Dichlorobenzene	ug/L	5	3.3	65	10-95	
1-Methylnaphthalene	ug/L	5	4.2	84	15-106	N2
2,4-Dinitrotoluene	ug/L	5	3.1	62	10-133	
2,6-Dinitrotoluene	ug/L		2.2			
2-Chlorophenol	ug/L	5	3.4	67	10-111	
2-Methylnaphthalene	ug/L	5	3.6	73	10-98	

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3089979

LABORATORY CONTROL SAMPLE: 559056

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Chloro-3-methylphenol	ug/L	5	3.7	75	10-129	
4-Nitrophenol	ug/L	5	1.5	30	10-54	
Acenaphthene	ug/L	5	3.9	78	12-123	
Acenaphthylene	ug/L	5	4.0	80	11-131	
Anthracene	ug/L	5	3.9	79	11-135	
Benzo(a)anthracene	ug/L	5	4.4	88	24-138	
Benzo(a)pyrene	ug/L	5	3.8	75	20-136	
Benzo(b)fluoranthene	ug/L	5	4.4	87	19-147	
Benzo(g,h,i)perylene	ug/L	5	4.1	81	11-156	
Benzo(k)fluoranthene	ug/L	5	4.8	95	22-154	
bis(2-Ethylhexyl)phthalate	ug/L		.61J			
Carbazole	ug/L		.56J			
Chrysene	ug/L	5	4.4	88	14-158	
Dibenz(a,h)anthracene	ug/L	5	3.7	75	13-154	
Fluoranthene	ug/L	5	4.3	86	20-135	
Fluorene	ug/L	5	4.1	82	11-128	
Indeno(1,2,3-cd)pyrene	ug/L	5	3.8	77	15-148	
N-Nitroso-di-n-propylamine	ug/L	5	4.0	79	10-136	
Naphthalene	ug/L	5	4.2	85	12-116	
Pentachlorophenol	ug/L	5	3.6	73	13-129	
Phenanthrene	ug/L	5	3.9	77	13-134	
Phenol	ug/L	5	1.4	28	10-47	
Pyrene	ug/L	5	4.4	87	10-158	
2,4,6-Tribromophenol (S)	%			74	10-123	
2-Fluorobiphenyl (S)	%			76	43-116	
2-Fluorophenol (S)	%			39	21-110	
Nitrobenzene-d5 (S)	%			58	35-114	
Phenol-d6 (S)	%			31	10-110	
Terphenyl-d14 (S)	%			100	33-141	

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3089979

QC Batch: WET/17607

Analysis Method: EPA 180.1

QC Batch Method: EPA 180.1

Analysis Description: 180.1 Turbidity

Associated Lab Samples: 3089979001, 3089979002, 3089979003, 3089979004, 3089979005, 3089979006, 3089979007, 3089979008, 3089979009, 3089979010, 3089979011, 3089979012

METHOD BLANK: 557186

Matrix: Water

Associated Lab Samples: 3089979001, 3089979002, 3089979003, 3089979004, 3089979005, 3089979006, 3089979007, 3089979008, 3089979009, 3089979010, 3089979011, 3089979012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Turbidity	NTU	ND	0.10	03/21/13 15:49	

LABORATORY CONTROL SAMPLE: 557187

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Turbidity	NTU	8	8.1	101	85-115	

SAMPLE DUPLICATE: 557188

Parameter	Units	3089979012 Result	Dup Result	RPD	Qualifiers
Turbidity	NTU	171	172	.9	

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3089979

QC Batch: WET/17688

Analysis Method: SM 2320B

QC Batch Method: SM 2320B

Analysis Description: 2320B Alkalinity

Associated Lab Samples: 3089979001, 3089979002, 3089979003, 3089979004, 3089979005, 3089979006, 3089979007, 3089979008, 3089979009, 3089979010, 3089979011, 3089979012

METHOD BLANK: 559443

Matrix: Water

Associated Lab Samples: 3089979001, 3089979002, 3089979003, 3089979004, 3089979005, 3089979006, 3089979007, 3089979008, 3089979009, 3089979010, 3089979011, 3089979012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	03/27/13 12:00	

LABORATORY CONTROL SAMPLE: 559444

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	20	20.0	100	85-115	

MATRIX SPIKE SAMPLE: 559445

Parameter	Units	3089979001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	100	89.4	89	80-120	

SAMPLE DUPLICATE: 559446

Parameter	Units	3089979001 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	ND		

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3089979

QC Batch: WET/17605

Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B

Analysis Description: 4500H+B pH

Associated Lab Samples: 3089979001, 3089979002, 3089979003, 3089979004, 3089979005, 3089979006, 3089979007, 3089979008, 3089979009, 3089979010, 3089979011, 3089979012

SAMPLE DUPLICATE: 557175

Parameter	Units	3090109002 Result	Dup Result	RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.6	7.5	.3	H6

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3089979

QC Batch: WET/17658

Analysis Method: EPA 9050

QC Batch Method: EPA 9050

Analysis Description: 9050 Specific Conductance

Associated Lab Samples: 3089979001, 3089979002, 3089979003, 3089979004, 3089979005, 3089979006, 3089979007, 3089979008, 3089979009, 3089979010, 3089979011, 3089979012

METHOD BLANK: 558948

Matrix: Water

Associated Lab Samples: 3089979001, 3089979002, 3089979003, 3089979004, 3089979005, 3089979006, 3089979007, 3089979008, 3089979009, 3089979010, 3089979011, 3089979012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Specific Conductance	umhos/cm	ND	1.0	03/28/13 16:20	

LABORATORY CONTROL SAMPLE: 558949

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Specific Conductance	umhos/cm	1410	1470	104	85-115	

SAMPLE DUPLICATE: 558950

Parameter	Units	3089979001 Result	Dup Result	RPD	Qualifiers
Specific Conductance	umhos/cm	764	769	.7	

QUALITY CONTROL DATA

Project: Grey's Landfill
Pace Project No.: 3089979

QC Batch: WETA/12236 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 3089979001, 3089979002, 3089979003, 3089979004, 3089979005, 3089979006, 3089979007, 3089979008, 3089979009, 3089979010, 3089979011, 3089979012

METHOD BLANK: 559026 Matrix: Water
Associated Lab Samples: 3089979001, 3089979002, 3089979003, 3089979004, 3089979005, 3089979006, 3089979007, 3089979008, 3089979009, 3089979010, 3089979011, 3089979012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	03/26/13 08:39	

METHOD BLANK: 559027 Matrix: Water
Associated Lab Samples: 3089979001, 3089979002, 3089979003, 3089979004, 3089979005, 3089979006, 3089979007, 3089979008, 3089979009, 3089979010, 3089979011, 3089979012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	03/26/13 08:40	

LABORATORY CONTROL SAMPLE: 559028

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	4	4.0	99	85-115	

MATRIX SPIKE SAMPLE: 559029

Parameter	Units	3089856002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2.2	4	6.2	99	85-115	

SAMPLE DUPLICATE: 559030

Parameter	Units	3089856002 Result	Dup Result	RPD	Qualifiers
Nitrogen, Ammonia	mg/L	2.2	2.3	2	

QUALITY CONTROL DATA

Project: Grey's Landfill
Pace Project No.: 3089979

QC Batch: WETA/12272 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Associated Lab Samples: 3089979001, 3089979002, 3089979003, 3089979004, 3089979005, 3089979006, 3089979007, 3089979008, 3089979009, 3089979010, 3089979011, 3089979012

METHOD BLANK: 560199 Matrix: Water
Associated Lab Samples: 3089979001, 3089979002, 3089979003, 3089979004, 3089979005, 3089979006, 3089979007, 3089979008, 3089979009, 3089979010, 3089979011, 3089979012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	25.0	03/28/13 08:40	

METHOD BLANK: 560203 Matrix: Water
Associated Lab Samples: 3089979001, 3089979002, 3089979003, 3089979004, 3089979005, 3089979006, 3089979007, 3089979008, 3089979009, 3089979010, 3089979011, 3089979012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	25.0	03/28/13 08:40	

LABORATORY CONTROL SAMPLE: 560200

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	300	310	103	90-110	

MATRIX SPIKE SAMPLE: 560201

Parameter	Units	3089979001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	18.2	150	162	96	90-110	

SAMPLE DUPLICATE: 560202

Parameter	Units	3089979001 Result	Dup Result	RPD	Qualifiers
Chemical Oxygen Demand	mg/L	18.2	18.2J		

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3089979

QC Batch: WETA/12239

Analysis Method: SM 4500-Cl-E

QC Batch Method: SM 4500-Cl-E

Analysis Description: 4500 Chloride

Associated Lab Samples: 3089979001, 3089979002, 3089979003, 3089979004, 3089979005, 3089979006, 3089979007, 3089979008, 3089979009, 3089979010, 3089979011, 3089979012

METHOD BLANK: 559041

Matrix: Water

Associated Lab Samples: 3089979001, 3089979002, 3089979003, 3089979004, 3089979005, 3089979006, 3089979007, 3089979008, 3089979009, 3089979010, 3089979011, 3089979012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	3.0	03/26/13 14:04	

LABORATORY CONTROL SAMPLE: 559042

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	40	38.6	96	85-115	

MATRIX SPIKE SAMPLE: 559043

Parameter	Units	3089970001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	12.1	20	29.7	88	85-115	

SAMPLE DUPLICATE: 559044

Parameter	Units	3089970001 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	12.1	11.0	10	

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3089979

QC Batch: WETA/12195

Analysis Method: SM 4500-NO2 B

QC Batch Method: SM 4500-NO2 B

Analysis Description: SM4500NO2-B, Nitrite, unpres

Associated Lab Samples: 3089979001, 3089979002, 3089979003, 3089979004, 3089979005, 3089979006, 3089979007, 3089979008, 3089979009, 3089979010, 3089979011, 3089979012

METHOD BLANK: 557189

Matrix: Water

Associated Lab Samples: 3089979001, 3089979002, 3089979003, 3089979004, 3089979005, 3089979006, 3089979007, 3089979008, 3089979009, 3089979010, 3089979011, 3089979012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	ND	0.010	03/21/13 17:53	

LABORATORY CONTROL SAMPLE: 557190

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	.1	0.10	103	85-115	

MATRIX SPIKE SAMPLE: 557192

Parameter	Units	3089979012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	0.028	.1	0.11	81	85-115	M3

SAMPLE DUPLICATE: 557191

Parameter	Units	3089979012 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	0.028	0.025	12	

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3089979

QC Batch: WETA/12221

Analysis Method: SM 4500-NO3 F

QC Batch Method: SM 4500-NO3 F

Analysis Description: SM4500NO3-F, Nitrate, Preserved

Associated Lab Samples: 3089979001, 3089979002, 3089979003, 3089979004, 3089979005, 3089979006, 3089979007, 3089979008, 3089979009, 3089979010, 3089979011, 3089979012

METHOD BLANK: 558496

Matrix: Water

Associated Lab Samples: 3089979001, 3089979002, 3089979003, 3089979004, 3089979005, 3089979006, 3089979007, 3089979008, 3089979009, 3089979010, 3089979011, 3089979012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	ND	0.10	03/25/13 09:16	

LABORATORY CONTROL SAMPLE: 558497

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	4	3.9	98	85-115	

MATRIX SPIKE SAMPLE: 558498

Parameter	Units	3089979001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	ND	5	4.3	86	85-115	

SAMPLE DUPLICATE: 558499

Parameter	Units	3089979001 Result	Dup Result	RPD	Qualifiers
Nitrate as N	mg/L	ND	ND		

QUALIFIERS

Project: Grey's Landfill
Pace Project No.: 3089979

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

PASI-PA Pace Analytical Services - Greensburg

BATCH QUALIFIERS

Batch: OEXT/14600

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

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

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

L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

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

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

M3 Matrix spike recovery was outside laboratory control limits due to matrix interferences.

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

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

S4 Surrogate recovery not evaluated against control limits due to sample dilution.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Grey's Landfill

Pace Project No.: 3089979

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3089979001	GL-12 (-3)	SM 2340B	ICP/9768		
3089979002	GL-12 (-17)	SM 2340B	ICP/9768		
3089979003	GL-10 (-1)	SM 2340B	ICP/9768		
3089979004	GL-10 (-31)	SM 2340B	ICP/9768		
3089979005	GL-14 (-33)	SM 2340B	ICP/9768		
3089979006	GL-14 (+1)	SM 2340B	ICP/9768		
3089979007	GL-13 (+1)	SM 2340B	ICP/9768		
3089979008	GL-13 (-26)	SM 2340B	ICP/9768		
3089979009	GL-11 (-31)	SM 2340B	ICP/9768		
3089979010	GL-11 (-1)	SM 2340B	ICP/9768		
3089979011	GL-08 (-3)	SM 2340B	ICP/9768		
3089979012	GL-08 (-36)	SM 2340B	ICP/9768		
3089979001	GL-12 (-3)	EPA 3020	MPRP/38154	EPA 6020	ICPM/15616
3089979002	GL-12 (-17)	EPA 3020	MPRP/38154	EPA 6020	ICPM/15616
3089979003	GL-10 (-1)	EPA 3020	MPRP/38154	EPA 6020	ICPM/15616
3089979004	GL-10 (-31)	EPA 3020	MPRP/38154	EPA 6020	ICPM/15616
3089979005	GL-14 (-33)	EPA 3020	MPRP/38154	EPA 6020	ICPM/15616
3089979006	GL-14 (+1)	EPA 3020	MPRP/38154	EPA 6020	ICPM/15616
3089979007	GL-13 (+1)	EPA 3020	MPRP/38154	EPA 6020	ICPM/15616
3089979008	GL-13 (-26)	EPA 3020	MPRP/38154	EPA 6020	ICPM/15616
3089979009	GL-11 (-31)	EPA 3020	MPRP/38154	EPA 6020	ICPM/15616
3089979010	GL-11 (-1)	EPA 3020	MPRP/38154	EPA 6020	ICPM/15616
3089979011	GL-08 (-3)	EPA 3020	MPRP/38154	EPA 6020	ICPM/15616
3089979012	GL-08 (-36)	EPA 3020	MPRP/38154	EPA 6020	ICPM/15616
3089979001	GL-12 (-3)	EPA 7470	MERP/8177	EPA 7470	MERC/9243
3089979002	GL-12 (-17)	EPA 7470	MERP/8177	EPA 7470	MERC/9243
3089979003	GL-10 (-1)	EPA 7470	MERP/8177	EPA 7470	MERC/9243
3089979004	GL-10 (-31)	EPA 7470	MERP/8177	EPA 7470	MERC/9243
3089979005	GL-14 (-33)	EPA 7470	MERP/8177	EPA 7470	MERC/9243
3089979006	GL-14 (+1)	EPA 7470	MERP/8177	EPA 7470	MERC/9243
3089979007	GL-13 (+1)	EPA 7470	MERP/8177	EPA 7470	MERC/9243
3089979008	GL-13 (-26)	EPA 7470	MERP/8177	EPA 7470	MERC/9243
3089979009	GL-11 (-31)	EPA 7470	MERP/8177	EPA 7470	MERC/9243
3089979010	GL-11 (-1)	EPA 7470	MERP/8177	EPA 7470	MERC/9243
3089979011	GL-08 (-3)	EPA 7470	MERP/8177	EPA 7470	MERC/9243
3089979012	GL-08 (-36)	EPA 7470	MERP/8177	EPA 7470	MERC/9243
3089979011	GL-08 (-3)	EPA 3510	OEXT/14600	EPA 8270	MSSV/4960
3089979001	GL-12 (-3)	EPA 8260	MSV/15654		
3089979002	GL-12 (-17)	EPA 8260	MSV/15654		
3089979003	GL-10 (-1)	EPA 8260	MSV/15654		
3089979004	GL-10 (-31)	EPA 8260	MSV/15654		
3089979005	GL-14 (-33)	EPA 8260	MSV/15654		
3089979006	GL-14 (+1)	EPA 8260	MSV/15654		
3089979007	GL-13 (+1)	EPA 8260	MSV/15654		
3089979008	GL-13 (-26)	EPA 8260	MSV/15654		
3089979009	GL-11 (-31)	EPA 8260	MSV/15654		
3089979010	GL-11 (-1)	EPA 8260	MSV/15654		

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Grey's Landfill

Pace Project No.: 3089979

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3089979011	GL-08 (-3)	EPA 8260	MSV/15654		
3089979012	GL-08 (-36)	EPA 8260	MSV/15654		
3089979001	GL-12 (-3)	EPA 180.1	WET/17607		
3089979002	GL-12 (-17)	EPA 180.1	WET/17607		
3089979003	GL-10 (-1)	EPA 180.1	WET/17607		
3089979004	GL-10 (-31)	EPA 180.1	WET/17607		
3089979005	GL-14 (-33)	EPA 180.1	WET/17607		
3089979006	GL-14 (+1)	EPA 180.1	WET/17607		
3089979007	GL-13 (+1)	EPA 180.1	WET/17607		
3089979008	GL-13 (-26)	EPA 180.1	WET/17607		
3089979009	GL-11 (-31)	EPA 180.1	WET/17607		
3089979010	GL-11 (-1)	EPA 180.1	WET/17607		
3089979011	GL-08 (-3)	EPA 180.1	WET/17607		
3089979012	GL-08 (-36)	EPA 180.1	WET/17607		
3089979001	GL-12 (-3)	SM 2320B	WET/17688		
3089979002	GL-12 (-17)	SM 2320B	WET/17688		
3089979003	GL-10 (-1)	SM 2320B	WET/17688		
3089979004	GL-10 (-31)	SM 2320B	WET/17688		
3089979005	GL-14 (-33)	SM 2320B	WET/17688		
3089979006	GL-14 (+1)	SM 2320B	WET/17688		
3089979007	GL-13 (+1)	SM 2320B	WET/17688		
3089979008	GL-13 (-26)	SM 2320B	WET/17688		
3089979009	GL-11 (-31)	SM 2320B	WET/17688		
3089979010	GL-11 (-1)	SM 2320B	WET/17688		
3089979011	GL-08 (-3)	SM 2320B	WET/17688		
3089979012	GL-08 (-36)	SM 2320B	WET/17688		
3089979001	GL-12 (-3)	SM 4500-H+B	WET/17605		
3089979002	GL-12 (-17)	SM 4500-H+B	WET/17605		
3089979003	GL-10 (-1)	SM 4500-H+B	WET/17605		
3089979004	GL-10 (-31)	SM 4500-H+B	WET/17605		
3089979005	GL-14 (-33)	SM 4500-H+B	WET/17605		
3089979006	GL-14 (+1)	SM 4500-H+B	WET/17605		
3089979007	GL-13 (+1)	SM 4500-H+B	WET/17605		
3089979008	GL-13 (-26)	SM 4500-H+B	WET/17605		
3089979009	GL-11 (-31)	SM 4500-H+B	WET/17605		
3089979010	GL-11 (-1)	SM 4500-H+B	WET/17605		
3089979011	GL-08 (-3)	SM 4500-H+B	WET/17605		
3089979012	GL-08 (-36)	SM 4500-H+B	WET/17605		
3089979001	GL-12 (-3)	EPA 9050	WET/17658		
3089979002	GL-12 (-17)	EPA 9050	WET/17658		
3089979003	GL-10 (-1)	EPA 9050	WET/17658		
3089979004	GL-10 (-31)	EPA 9050	WET/17658		
3089979005	GL-14 (-33)	EPA 9050	WET/17658		
3089979006	GL-14 (+1)	EPA 9050	WET/17658		
3089979007	GL-13 (+1)	EPA 9050	WET/17658		
3089979008	GL-13 (-26)	EPA 9050	WET/17658		
3089979009	GL-11 (-31)	EPA 9050	WET/17658		

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Grey's Landfill

Pace Project No.: 3089979

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3089979010	GL-11 (-1)	EPA 9050	WET/17658		
3089979011	GL-08 (-3)	EPA 9050	WET/17658		
3089979012	GL-08 (-36)	EPA 9050	WET/17658		
3089979001	GL-12 (-3)	EPA 350.1	WETA/12236		
3089979002	GL-12 (-17)	EPA 350.1	WETA/12236		
3089979003	GL-10 (-1)	EPA 350.1	WETA/12236		
3089979004	GL-10 (-31)	EPA 350.1	WETA/12236		
3089979005	GL-14 (-33)	EPA 350.1	WETA/12236		
3089979006	GL-14 (+1)	EPA 350.1	WETA/12236		
3089979007	GL-13 (+1)	EPA 350.1	WETA/12236		
3089979008	GL-13 (-26)	EPA 350.1	WETA/12236		
3089979009	GL-11 (-31)	EPA 350.1	WETA/12236		
3089979010	GL-11 (-1)	EPA 350.1	WETA/12236		
3089979011	GL-08 (-3)	EPA 350.1	WETA/12236		
3089979012	GL-08 (-36)	EPA 350.1	WETA/12236		
3089979001	GL-12 (-3)	EPA 410.4	WETA/12272		
3089979002	GL-12 (-17)	EPA 410.4	WETA/12272		
3089979003	GL-10 (-1)	EPA 410.4	WETA/12272		
3089979004	GL-10 (-31)	EPA 410.4	WETA/12272		
3089979005	GL-14 (-33)	EPA 410.4	WETA/12272		
3089979006	GL-14 (+1)	EPA 410.4	WETA/12272		
3089979007	GL-13 (+1)	EPA 410.4	WETA/12272		
3089979008	GL-13 (-26)	EPA 410.4	WETA/12272		
3089979009	GL-11 (-31)	EPA 410.4	WETA/12272		
3089979010	GL-11 (-1)	EPA 410.4	WETA/12272		
3089979011	GL-08 (-3)	EPA 410.4	WETA/12272		
3089979012	GL-08 (-36)	EPA 410.4	WETA/12272		
3089979001	GL-12 (-3)	SM 4500-CI-E	WETA/12239		
3089979002	GL-12 (-17)	SM 4500-CI-E	WETA/12239		
3089979003	GL-10 (-1)	SM 4500-CI-E	WETA/12239		
3089979004	GL-10 (-31)	SM 4500-CI-E	WETA/12239		
3089979005	GL-14 (-33)	SM 4500-CI-E	WETA/12239		
3089979006	GL-14 (+1)	SM 4500-CI-E	WETA/12239		
3089979007	GL-13 (+1)	SM 4500-CI-E	WETA/12239		
3089979008	GL-13 (-26)	SM 4500-CI-E	WETA/12239		
3089979009	GL-11 (-31)	SM 4500-CI-E	WETA/12239		
3089979010	GL-11 (-1)	SM 4500-CI-E	WETA/12239		
3089979011	GL-08 (-3)	SM 4500-CI-E	WETA/12239		
3089979012	GL-08 (-36)	SM 4500-CI-E	WETA/12239		
3089979001	GL-12 (-3)	SM 4500-NO2 B	WETA/12195		
3089979002	GL-12 (-17)	SM 4500-NO2 B	WETA/12195		
3089979003	GL-10 (-1)	SM 4500-NO2 B	WETA/12195		
3089979004	GL-10 (-31)	SM 4500-NO2 B	WETA/12195		
3089979005	GL-14 (-33)	SM 4500-NO2 B	WETA/12195		
3089979006	GL-14 (+1)	SM 4500-NO2 B	WETA/12195		
3089979007	GL-13 (+1)	SM 4500-NO2 B	WETA/12195		
3089979008	GL-13 (-26)	SM 4500-NO2 B	WETA/12195		

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Grey's Landfill

Pace Project No.: 3089979

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3089979009	GL-11 (-31)	SM 4500-NO2 B	WETA/12195		
3089979010	GL-11 (-1)	SM 4500-NO2 B	WETA/12195		
3089979011	GL-08 (-3)	SM 4500-NO2 B	WETA/12195		
3089979012	GL-08 (-36)	SM 4500-NO2 B	WETA/12195		
3089979001	GL-12 (-3)	SM 4500-NO3 F	WETA/12221		
3089979002	GL-12 (-17)	SM 4500-NO3 F	WETA/12221		
3089979003	GL-10 (-1)	SM 4500-NO3 F	WETA/12221		
3089979004	GL-10 (-31)	SM 4500-NO3 F	WETA/12221		
3089979005	GL-14 (-33)	SM 4500-NO3 F	WETA/12221		
3089979006	GL-14 (+1)	SM 4500-NO3 F	WETA/12221		
3089979007	GL-13 (+1)	SM 4500-NO3 F	WETA/12221		
3089979008	GL-13 (-26)	SM 4500-NO3 F	WETA/12221		
3089979009	GL-11 (-31)	SM 4500-NO3 F	WETA/12221		
3089979010	GL-11 (-1)	SM 4500-NO3 F	WETA/12221		
3089979011	GL-08 (-3)	SM 4500-NO3 F	WETA/12221		
3089979012	GL-08 (-36)	SM 4500-NO3 F	WETA/12221		

May 29, 2013

Mr. James Calenda
ELT/Sparrows Point LLC
200 Harry S. Truman Pkwy
Suite 330
Annapolis, MD 21401

RE: Project: Grey's Landfill
Pace Project No.: 3090074

Dear Mr. Calenda:

Enclosed are the analytical results for sample(s) received by the laboratory on March 22, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Timothy Reed for
Rachel Christner
rachel.christner@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Grey's Landfill

Pace Project No.: 3090074

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414

A2LA Certification #: 2926.01

Alaska Certification #: UST-078

Alaska Certification #MN00064

Arizona Certification #: AZ-0014

Arkansas Certification #: 88-0680

California Certification #: 01155CA

Colorado Certification #Pace

Connecticut Certification #: PH-0256

EPA Region 8 Certification #: Pace

Florida/NELAP Certification #: E87605

Georgia Certification #: 959

Hawaii Certification #Pace

Idaho Certification #: MN00064

Illinois Certification #: 200011

Kansas Certification #: E-10167

Louisiana Certification #: 03086

Louisiana Certification #: LA080009

Maine Certification #: 2007029

Maryland Certification #: 322

Michigan DEQ Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace

Montana Certification #: MT CERT0092

Nebraska Certification #: Pace

Nevada Certification #: MN_00064

New Jersey Certification #: MN-002

New York Certification #: 11647

North Carolina Certification #: 530

North Dakota Certification #: R-036

North Dakota Certification #: R-036A

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon Certification #: MN200001

Oregon Certification #: MN300001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification

Tennessee Certification #: 02818

Texas Certification #: T104704192

Utah Certification #: MN00064

Virginia/DCLS Certification #: 002521

Virginia/VELAP Certification #: 460163

Washington Certification #: C754

West Virginia Certification #: 382

Wisconsin Certification #: 999407970

Pennsylvania Certification IDs

1638 Roseytown Rd Suites 2,3&4 Greensburg, PA 15601

ACLASS DOD-ELAP Accreditation #: ADE-1544

Alabama Certification #: 41590

Arizona Certification #: AZ0734

Arkansas Certification

California/TNI Certification #: 04222CA

Colorado Certification

Connecticut Certification #: PH-0694

Delaware Certification

Florida/TNI Certification #: E87683

Guam/PADEP Certification

Hawaii/PADEP Certification

Idaho Certification

Illinois/PADEP Certification

Indiana/PADEP Certification

Iowa Certification #: 391

Kansas/TNI Certification #: E-10358

Kentucky Certification #: 90133

Louisiana/TNI Certification #: LA080002

Louisiana/TNI Certification #: 4086

Maine Certification #: PA0091

Maryland Certification #: 308

Massachusetts Certification #: M-PA1457

Michigan/PADEP Certification

Missouri Certification #: 235

Montana Certification #: Cert 0082

Nevada Certification

New Hampshire/TNI Certification #: 2976

New Jersey/TNI Certification #: PA 051

New Mexico Certification

New York/TNI Certification #: 10888

North Carolina Certification #: 42706

North Dakota Certification #: R-190

Oregon/TNI Certification #: PA200002

Pennsylvania/TNI Certification #: 65-00282

Puerto Rico Certification #: PA01457

South Dakota Certification

Tennessee Certification #: TN2867

Texas/TNI Certification #: T104704188

Utah/TNI Certification #: ANTE

Vermont Dept. of Health: ID# VT-0282

Virgin Island/PADEP Certification

Virginia/VELAP Certification #: 460198

Washington Certification #: C868

West Virginia Certification #: 143

Wisconsin/PADEP Certification

Wyoming Certification #: 8TMS-Q

SAMPLE ANALYTE COUNT

Project: Grey's Landfill
Pace Project No.: 3090074

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3090074001	GL-09 (-2)	SM 2340B	RTW	1	PASI-PA
		EPA 6020	TT3	21	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8270	TB1	75	PASI-PA
		EPA 8260	DJL	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	CLP	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		ASTM D516-90,02	CLP	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
SM 4500-NO3 F	AMS	1	PASI-PA		
3090074002	GL-09 (-20)	SM 2340B	RTW	1	PASI-PA
		EPA 6020	RJS	21	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8260	DJL	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	CLP	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		ASTM D516-90,02	CLP	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
3090074003	GL-03 (-16)	SM 2340B	RTW	1	PASI-PA
		EPA 6020	RJS	21	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8260	DJL	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

SAMPLE ANALYTE COUNT

Project: Grey's Landfill

Pace Project No.: 3090074

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	CLP	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		ASTM D516-90,02	CLP	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
3090074004	GL-03 (-3)	SM 2340B	RTW	1	PASI-PA
		EPA 6020	RJS	21	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8260	DJL	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	CLP	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		ASTM D516-90,02	CLP	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
3090074005	GL-18 (-3)	SM 2340B	RTW	1	PASI-PA
		EPA 6020	RJS	21	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8270	TB1	75	PASI-PA
		EPA 8260	DJL	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	CLP	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Grey's Landfill

Pace Project No.: 3090074

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3090074006	GL-18 (-33)	ASTM D516-90,02	CLP	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
		SM 2340B	RTW	1	PASI-PA
		EPA 6020	RJS	21	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8260	DJL	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	CLP	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
3090074007	GL-20 (-5)	ASTM D516-90,02	CLP	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
		SM 2340B	RTW	1	PASI-PA
		EPA 6020	RJS	21	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8270	TB1	75	PASI-PA
		EPA 8260	DJL	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	CLP	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
SM 4500-CI-E	AMS	1	PASI-PA		
3090074008	TS-01 (-7)	ASTM D516-90,02	CLP	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
		SM 2340B	RTW	1	PASI-PA
		EPA 6020	RJS	21	PASI-M
		EPA 7470	TEM	1	PASI-M

REPORT OF LABORATORY ANALYSIS

SAMPLE ANALYTE COUNT

Project: Grey's Landfill

Pace Project No.: 3090074

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260	DJL	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	CLP	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		ASTM D516-90,02	CLP	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
3090074009	GL-17 (-31)	SM 2340B	RTW	1	PASI-PA
		EPA 6020	RJS	21	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8270	TB1	75	PASI-PA
		EPA 8260	JAS	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	KLB	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		ASTM D516-90,02	CLP	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
3090074010	GL-17 (-1)	SM 2340B	RTW	1	PASI-PA
		EPA 6020	RJS	21	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8270	TB1	75	PASI-PA
		EPA 8260	JAS	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

SAMPLE ANALYTE COUNT

Project: Grey's Landfill

Pace Project No.: 3090074

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 9050	KLB	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		ASTM D516-90,02	CLP	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
3090074011	GL-02 (-29)	SM 2340B	RTW	1	PASI-PA
		EPA 6020	RJS	21	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8260	JAS	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	KLB	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		ASTM D516-90,02	CLP	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
3090074012	GL-02 (-5)	EPA 8260	JAS	51	PASI-PA
3090074013	GL-16 (-6)	SM 2340B	RTW	1	PASI-PA
		EPA 6020	RJS	21	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8260	JAS	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	KLB	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		ASTM D516-90,02	CLP	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Grey's Landfill
Pace Project No.: 3090074

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3090074014	GL-16 (-32)	SM 4500-NO3 F	AMS	1	PASI-PA
		SM 2340B	RTW	1	PASI-PA
		EPA 6020	RJS	21	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8260	JAS	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	KLB	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		ASTM D516-90,02	CLP	1	PASI-PA
3090074015	GL-05 (-25)	SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
		SM 2340B	RTW	1	PASI-PA
		EPA 6020	RJS	21	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8260	JAS	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	KLB	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
ASTM D516-90,02	CLP	1	PASI-PA		
3090074016	GL-05 (-7)	SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
		SM 2340B	RTW	1	PASI-PA
		EPA 6020	RJS	21	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8260	JAS	51	PASI-PA
EPA 180.1	PAS	1	PASI-PA		
SM 2320B	AMS	1	PASI-PA		

REPORT OF LABORATORY ANALYSIS

SAMPLE ANALYTE COUNT

Project: Grey's Landfill

Pace Project No.: 3090074

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	KLB	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		ASTM D516-90,02	CLP	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
3090074017	GL-15 (-36)	SM 2340B	RTW	1	PASI-PA
		EPA 6020	RJS	21	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8260	JAS	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	KLB	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		ASTM D516-90,02	CLP	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
3090074018	GL-15 (-6)	SM 2340B	RTW	1	PASI-PA
		EPA 6020	RJS	21	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8260	JAS	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	KLB	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		ASTM D516-90,02	CLP	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Grey's Landfill
Pace Project No.: 3090074

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3090074019	GL-19	SM 4500-NO2 B	PAS	1	PASI-PA
		SM 4500-NO3 F	AMS	1	PASI-PA
		SM 2340B	RTW	1	PASI-PA
		EPA 6020	RJS	21	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8260	JAS	51	PASI-PA
		EPA 180.1	PAS	1	PASI-PA
		SM 2320B	AMS	1	PASI-PA
		SM 2540C	PAS	1	PASI-PA
		SM 4500-H+B	JLS	1	PASI-PA
		EPA 9050	KLB	1	PASI-PA
		EPA 350.1	AMS	1	PASI-PA
		EPA 410.4	DLH	1	PASI-PA
		SM 4500-CI-E	AMS	1	PASI-PA
		ASTM D516-90,02	CLP	1	PASI-PA
		SM 4500-NO2 B	PAS	1	PASI-PA
SM 4500-NO3 F	AMS	1	PASI-PA		

REPORT OF LABORATORY ANALYSIS

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-09 (-2)	Lab ID: 3090074001	Collected: 03/21/13 09:11	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)	Analytical Method: SM 2340B							
Total Hardness	606 mg/L		2.1	1		03/27/13 09:20		
	Analytical Method: EPA 6010B Preparation Method: EPA 3005							
Calcium	242000 ug/L		1000	1	03/25/13 14:21	03/27/13 09:20	7440-70-2	
Magnesium	552 ug/L		200	1	03/25/13 14:21	03/27/13 09:20	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony	0.00078 mg/L		0.00050	1	03/26/13 10:17	03/26/13 16:04	7440-36-0	
Arsenic	0.024 mg/L		0.00050	1	03/26/13 10:17	03/26/13 16:04	7440-38-2	
Barium	0.046 mg/L		0.00030	1	03/26/13 10:17	03/26/13 16:04	7440-39-3	
Beryllium	ND mg/L		0.00020	1	03/26/13 10:17	03/26/13 16:04	7440-41-7	
Cadmium	0.00035 mg/L		0.000080	1	03/26/13 10:17	03/26/13 16:04	7440-43-9	
Calcium	259 mg/L		1.0	50	03/26/13 10:17	03/26/13 16:13	7440-70-2	M6
Chromium	0.0085 mg/L		0.00050	1	03/26/13 10:17	03/26/13 16:04	7440-47-3	
Cobalt	0.0020 mg/L		0.00050	1	03/26/13 10:17	03/26/13 16:04	7440-48-4	
Copper	0.034 mg/L		0.00050	1	03/26/13 10:17	03/26/13 16:04	7440-50-8	
Iron	4.5 mg/L		0.050	1	03/26/13 10:17	03/26/13 16:04	7439-89-6	M6
Lead	0.0099 mg/L		0.00010	1	03/26/13 10:17	03/26/13 16:04	7439-92-1	
Magnesium	0.50 mg/L		0.0050	1	03/26/13 10:17	03/26/13 16:04	7439-95-4	
Manganese	0.12 mg/L		0.00050	1	03/26/13 10:17	03/26/13 16:04	7439-96-5	
Nickel	0.012 mg/L		0.00050	1	03/26/13 10:17	03/26/13 16:04	7440-02-0	
Potassium	72.5 mg/L		0.10	5	03/26/13 10:17	03/26/13 16:09	7440-09-7	M6
Selenium	0.0016 mg/L		0.00050	1	03/26/13 10:17	03/26/13 16:04	7782-49-2	M6
Silver	0.0019 mg/L		0.00050	1	03/26/13 10:17	03/26/13 16:04	7440-22-4	M6
Sodium	206 mg/L		2.5	50	03/26/13 10:17	03/26/13 16:13	7440-23-5	M6
Thallium	ND mg/L		0.00010	1	03/26/13 10:17	03/26/13 16:04	7440-28-0	
Vanadium	0.017 mg/L		0.00010	1	03/26/13 10:17	03/26/13 16:04	7440-62-2	
Zinc	0.061 mg/L		0.0050	1	03/26/13 10:17	03/26/13 16:04	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND mg/L		0.00020	1	03/24/13 07:28	03/25/13 12:10	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	83-32-9	
Acenaphthylene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	208-96-8	
Anthracene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	120-12-7	
Azobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	103-33-3	N2
Benzo(a)anthracene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	56-55-3	
Benzo(a)pyrene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	50-32-8	
Benzo(b)fluoranthene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	191-24-2	
Benzo(k)fluoranthene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	207-08-9	
Benzoic acid	ND ug/L		111	1	03/26/13 08:30	03/27/13 15:15	65-85-0	
Benzyl alcohol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	100-51-6	
4-Bromophenylphenyl ether	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	101-55-3	
Butylbenzylphthalate	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	85-68-7	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-09 (-2)	Lab ID: 3090074001	Collected: 03/21/13 09:11	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic								
Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Carbazole	2.6 ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	86-74-8	
4-Chloro-3-methylphenol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	59-50-7	
4-Chloroaniline	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	111-91-1	
bis(2-Chloroethyl) ether	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	108-60-1	
2-Chloronaphthalene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	91-58-7	
2-Chlorophenol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	95-57-8	
4-Chlorophenylphenyl ether	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	7005-72-3	
Chrysene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	53-70-3	
Dibenzofuran	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	132-64-9	
1,2-Dichlorobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	106-46-7	
3,3'-Dichlorobenzidine	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	91-94-1	
2,4-Dichlorophenol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	120-83-2	
Diethylphthalate	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	84-66-2	
2,4-Dimethylphenol	16.4 ug/L		11.1	10	03/26/13 08:30	03/28/13 18:49	105-67-9	
Dimethylphthalate	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	131-11-3	
Di-n-butylphthalate	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/L		2.8	1	03/26/13 08:30	03/27/13 15:15	534-52-1	
2,4-Dinitrophenol	ND ug/L		2.8	1	03/26/13 08:30	03/27/13 15:15	51-28-5	
2,4-Dinitrotoluene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	121-14-2	
2,6-Dinitrotoluene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	606-20-2	
Di-n-octylphthalate	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	117-81-7	
Fluoranthene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	206-44-0	
Fluorene	1.2 ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	86-73-7	
Hexachloro-1,3-butadiene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	87-68-3	
Hexachlorobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	118-74-1	
Hexachlorocyclopentadiene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	77-47-4	
Hexachloroethane	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	193-39-5	
Isophorone	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	78-59-1	
1-Methylnaphthalene	1.7 ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	90-12-0	N2
2-Methylnaphthalene	2.2 ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	91-57-6	
2-Methylphenol(o-Cresol)	10.4 ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	95-48-7	
3&4-Methylphenol(m&p Cresol)	24.4 ug/L		22.2	10	03/26/13 08:30	03/28/13 18:49		
Naphthalene	17.0 ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	91-20-3	
2-Nitroaniline	ND ug/L		2.8	1	03/26/13 08:30	03/27/13 15:15	88-74-4	
3-Nitroaniline	ND ug/L		2.8	1	03/26/13 08:30	03/27/13 15:15	99-09-2	
4-Nitroaniline	ND ug/L		2.8	1	03/26/13 08:30	03/27/13 15:15	100-01-6	
Nitrobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	98-95-3	
2-Nitrophenol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	88-75-5	
4-Nitrophenol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	100-02-7	
N-Nitrosodimethylamine	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	62-75-9	

Date: 05/29/2013 09:36 AM

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ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-09 (-2)	Lab ID: 3090074001	Collected: 03/21/13 09:11	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic								
Analytical Method: EPA 8270 Preparation Method: EPA 3510								
N-Nitroso-di-n-propylamine	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	621-64-7	
N-Nitrosodiphenylamine	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	86-30-6	
Pentachlorophenol	ND ug/L		2.8	1	03/26/13 08:30	03/27/13 15:15	87-86-5	
Phenanthrene	1.4 ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	85-01-8	
Phenol	31.7 ug/L		11.1	10	03/26/13 08:30	03/28/13 18:49	108-95-2	
Pyrene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	129-00-0	
1,2,4-Trichlorobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	120-82-1	
2,4,5-Trichlorophenol	ND ug/L		2.8	1	03/26/13 08:30	03/27/13 15:15	95-95-4	
2,4,6-Trichlorophenol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 15:15	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	84 %		35-114	1	03/26/13 08:30	03/27/13 15:15	4165-60-0	
2-Fluorobiphenyl (S)	64 %		43-116	1	03/26/13 08:30	03/27/13 15:15	321-60-8	
Terphenyl-d14 (S)	107 %		33-141	1	03/26/13 08:30	03/27/13 15:15	1718-51-0	
Phenol-d6 (S)	36 %		10-110	1	03/26/13 08:30	03/27/13 15:15	13127-88-3	
2-Fluorophenol (S)	40 %		21-110	1	03/26/13 08:30	03/27/13 15:15	367-12-4	
2,4,6-Tribromophenol (S)	93 %		10-123	1	03/26/13 08:30	03/27/13 15:15	118-79-6	
8260 MSV								
Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 20:51	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/27/13 20:51	71-55-6	
1,1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 20:51	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/27/13 20:51	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/27/13 20:51	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/27/13 20:51	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/27/13 20:51	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/27/13 20:51	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/27/13 20:51	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 20:51	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/27/13 20:51	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/27/13 20:51	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 20:51	106-46-7	
2-Butanone (MEK)	19.0 ug/L		5.0	1		03/27/13 20:51	78-93-3	
2-Hexanone	6.4 ug/L		5.0	1		03/27/13 20:51	591-78-6	
4-Methyl-2-pentanone (MIBK)	5.9 ug/L		5.0	1		03/27/13 20:51	108-10-1	
Acetone	121 ug/L		5.0	1		03/27/13 20:51	67-64-1	
Acrylonitrile	ND ug/L		2.0	1		03/27/13 20:51	107-13-1	
Benzene	1.2 ug/L		1.0	1		03/27/13 20:51	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		03/27/13 20:51	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		03/27/13 20:51	75-27-4	
Bromoform	ND ug/L		1.0	1		03/27/13 20:51	75-25-2	
Bromomethane	ND ug/L		1.0	1		03/27/13 20:51	74-83-9	
Carbon disulfide	ND ug/L		1.0	1		03/27/13 20:51	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		03/27/13 20:51	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		03/27/13 20:51	108-90-7	
Chloroethane	ND ug/L		1.0	1		03/27/13 20:51	75-00-3	
Chloroform	ND ug/L		1.0	1		03/27/13 20:51	67-66-3	
Chloromethane	ND ug/L		1.0	1		03/27/13 20:51	74-87-3	

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ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-09 (-2)		Lab ID: 3090074001	Collected: 03/21/13 09:11	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Dibromochloromethane	ND	ug/L	1.0	1		03/27/13 20:51	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/27/13 20:51	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/27/13 20:51	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/27/13 20:51	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/27/13 20:51	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/27/13 20:51	75-09-2	
Styrene	ND	ug/L	1.0	1		03/27/13 20:51	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/27/13 20:51	127-18-4	
Toluene	3.1	ug/L	1.0	1		03/27/13 20:51	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/27/13 20:51	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/27/13 20:51	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/27/13 20:51	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/27/13 20:51	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/27/13 20:51	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/27/13 20:51	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 20:51	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/27/13 20:51	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 20:51	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/27/13 20:51	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	103	%	85-115	1		03/27/13 20:51	460-00-4	
1,2-Dichloroethane-d4 (S)	88	%	77-119	1		03/27/13 20:51	17060-07-0	
Toluene-d8 (S)	97	%	85-115	1		03/27/13 20:51	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	12.6	NTU	0.20	2		03/22/13 18:39		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	188	mg/L	10.0	1		03/28/13 13:30		
2540C Total Dissolved Solids		Analytical Method: SM 2540C						
Total Dissolved Solids	1600	mg/L	10.0	1		03/25/13 14:50		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	9.9	Std. Units	0.10	1		03/22/13 17:16		H6
9050 Specific Conductance		Analytical Method: EPA 9050						
Specific Conductance	253	umhos/cm	1.0	1		03/28/13 16:20		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	136	mg/L	2.0	20		03/28/13 09:59	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	227	mg/L	10.0	1		03/28/13 08:40		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-09 (-2)		Lab ID: 3090074001	Collected: 03/21/13 09:11	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	291	mg/L	60.0	20		03/26/13 15:03	16887-00-6	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	723	mg/L	9.5	25		03/28/13 13:18	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	0.010	mg/L	0.010	1		03/22/13 20:42	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	ND	mg/L	0.060	1		03/28/13 07:36	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Sample Project No.: 3090074

Sample: GL-09 (-20)	Lab ID: 3090074002	Collected: 03/21/13 09:11	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)								
Analytical Method: SM 2340B								
Total Hardness	431 mg/L		2.1	1		03/27/13 09:23		
Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Calcium	39100 ug/L		1000	1	03/25/13 14:21	03/27/13 09:23	7440-70-2	
Magnesium	80900 ug/L		200	1	03/25/13 14:21	03/27/13 09:23	7439-95-4	
6020 MET ICPMS								
Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Antimony	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:59	7440-36-0	D3
Arsenic	0.0037 mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:59	7440-38-2	
Barium	0.18 mg/L		0.0015	5	03/24/13 07:10	03/28/13 12:59	7440-39-3	
Beryllium	ND mg/L		0.0010	5	03/24/13 07:10	03/28/13 12:59	7440-41-7	D3
Cadmium	ND mg/L		0.00040	5	03/24/13 07:10	03/28/13 12:59	7440-43-9	D3
Calcium	39.2 mg/L		0.10	5	03/24/13 07:10	03/28/13 12:59	7440-70-2	
Chromium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:59	7440-47-3	D3
Cobalt	0.0051 mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:59	7440-48-4	
Copper	0.0049 mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:59	7440-50-8	
Iron	50.6 mg/L		0.25	5	03/24/13 07:10	03/28/13 12:59	7439-89-6	
Lead	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 12:59	7439-92-1	D3
Magnesium	80.1 mg/L		0.025	5	03/24/13 07:10	03/28/13 12:59	7439-95-4	
Manganese	3.3 mg/L		0.012	25	03/24/13 07:10	03/28/13 13:04	7439-96-5	
Nickel	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:59	7440-02-0	D3
Potassium	12.0 mg/L		0.10	5	03/24/13 07:10	03/28/13 12:59	7440-09-7	
Selenium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:59	7782-49-2	D3
Silver	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:59	7440-22-4	D3
Sodium	330 mg/L		1.2	25	03/24/13 07:10	03/28/13 13:04	7440-23-5	
Thallium	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 12:59	7440-28-0	D3
Vanadium	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 12:59	7440-62-2	D3
Zinc	0.031 mg/L		0.025	5	03/24/13 07:10	03/28/13 12:59	7440-66-6	
7470 Mercury								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND mg/L		0.00020	1	03/24/13 07:28	03/25/13 12:12	7439-97-6	
8260 MSV								
Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 18:00	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/27/13 18:00	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 18:00	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/27/13 18:00	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/27/13 18:00	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/27/13 18:00	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/27/13 18:00	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/27/13 18:00	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/27/13 18:00	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 18:00	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/27/13 18:00	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/27/13 18:00	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 18:00	106-46-7	

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ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-09 (-20)		Lab ID: 3090074002	Collected: 03/21/13 09:11	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
2-Butanone (MEK)	ND	ug/L	5.0	1		03/27/13 18:00	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		03/27/13 18:00	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/27/13 18:00	108-10-1	
Acetone	ND	ug/L	5.0	1		03/27/13 18:00	67-64-1	
Acrylonitrile	ND	ug/L	2.0	1		03/27/13 18:00	107-13-1	
Benzene	ND	ug/L	1.0	1		03/27/13 18:00	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/27/13 18:00	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/27/13 18:00	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/27/13 18:00	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/27/13 18:00	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		03/27/13 18:00	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/27/13 18:00	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/27/13 18:00	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/27/13 18:00	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/27/13 18:00	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/27/13 18:00	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/27/13 18:00	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/27/13 18:00	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/27/13 18:00	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/27/13 18:00	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/27/13 18:00	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/27/13 18:00	75-09-2	
Styrene	ND	ug/L	1.0	1		03/27/13 18:00	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/27/13 18:00	127-18-4	
Toluene	ND	ug/L	1.0	1		03/27/13 18:00	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/27/13 18:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/27/13 18:00	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/27/13 18:00	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/27/13 18:00	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/27/13 18:00	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/27/13 18:00	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 18:00	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/27/13 18:00	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 18:00	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/27/13 18:00	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	104 %		85-115	1		03/27/13 18:00	460-00-4	
1,2-Dichloroethane-d4 (S)	88 %		77-119	1		03/27/13 18:00	17060-07-0	
Toluene-d8 (S)	98 %		85-115	1		03/27/13 18:00	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	72.8	NTU	0.20	2		03/22/13 18:39		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	330	mg/L	10.0	1		03/28/13 13:30		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-09 (-20)	Lab ID: 3090074002	Collected: 03/21/13 09:11	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	1330	mg/L	10.0	1		03/25/13 14:50		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	6.2	Std. Units	0.10	1		03/22/13 17:16		H6
9050 Specific Conductance	Analytical Method: EPA 9050							
Specific Conductance	2610	umhos/cm	1.0	1		03/28/13 16:20		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	1.9	mg/L	0.10	1		03/28/13 09:59	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	61.7	mg/L	10.0	1		03/28/13 08:40		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	494	mg/L	150	50		03/26/13 15:04	16887-00-6	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	77.5	mg/L	1.9	5		03/28/13 13:03	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	0.021	mg/L	0.010	1		03/22/13 20:43	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	ND	mg/L	0.060	1		03/28/13 07:36	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Sample Project No.: 3090074

Sample: GL-03 (-16)	Lab ID: 3090074003	Collected: 03/21/13 10:00	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)								
Analytical Method: SM 2340B								
Total Hardness	521 mg/L		2.1	1		03/27/13 09:26		
Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Calcium	97200 ug/L		1000	1	03/25/13 14:21	03/27/13 09:26	7440-70-2	
Magnesium	67500 ug/L		200	1	03/25/13 14:21	03/27/13 09:26	7439-95-4	
6020 MET ICPMS								
Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Antimony	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 13:08	7440-36-0	D3
Arsenic	0.0035 mg/L		0.0025	5	03/24/13 07:10	03/28/13 13:08	7440-38-2	
Barium	0.073 mg/L		0.0015	5	03/24/13 07:10	03/28/13 13:08	7440-39-3	
Beryllium	ND mg/L		0.0010	5	03/24/13 07:10	03/28/13 13:08	7440-41-7	D3
Cadmium	ND mg/L		0.00040	5	03/24/13 07:10	03/28/13 13:08	7440-43-9	D3
Calcium	99.8 mg/L		0.10	5	03/24/13 07:10	03/28/13 13:08	7440-70-2	
Chromium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 13:08	7440-47-3	D3
Cobalt	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 13:08	7440-48-4	D3
Copper	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 13:08	7440-50-8	D3
Iron	ND mg/L		0.25	5	03/24/13 07:10	03/28/13 13:08	7439-89-6	
Lead	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 13:08	7439-92-1	D3
Magnesium	66.6 mg/L		0.025	5	03/24/13 07:10	03/28/13 13:08	7439-95-4	
Manganese	0.25 mg/L		0.0025	5	03/24/13 07:10	03/28/13 13:08	7439-96-5	
Nickel	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 13:08	7440-02-0	D3
Potassium	12.1 mg/L		0.10	5	03/24/13 07:10	03/28/13 13:08	7440-09-7	
Selenium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 13:08	7782-49-2	D3
Silver	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 13:08	7440-22-4	D3
Sodium	178 mg/L		1.2	25	03/24/13 07:10	03/28/13 13:13	7440-23-5	
Thallium	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 13:08	7440-28-0	D3
Vanadium	0.0032 mg/L		0.00050	5	03/24/13 07:10	03/28/13 13:08	7440-62-2	
Zinc	0.028 mg/L		0.025	5	03/24/13 07:10	03/28/13 13:08	7440-66-6	
7470 Mercury								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND mg/L		0.00020	1	03/24/13 07:28	03/25/13 12:15	7439-97-6	
8260 MSV								
Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 18:24	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/27/13 18:24	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 18:24	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/27/13 18:24	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/27/13 18:24	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/27/13 18:24	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/27/13 18:24	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/27/13 18:24	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/27/13 18:24	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 18:24	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/27/13 18:24	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/27/13 18:24	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 18:24	106-46-7	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-03 (-16)	Lab ID: 3090074003	Collected: 03/21/13 10:00	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
2-Butanone (MEK)	ND	ug/L	5.0	1		03/27/13 18:24	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		03/27/13 18:24	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/27/13 18:24	108-10-1	
Acetone	ND	ug/L	5.0	1		03/27/13 18:24	67-64-1	
Acrylonitrile	ND	ug/L	2.0	1		03/27/13 18:24	107-13-1	
Benzene	11.8	ug/L	1.0	1		03/27/13 18:24	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/27/13 18:24	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/27/13 18:24	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/27/13 18:24	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/27/13 18:24	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		03/27/13 18:24	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/27/13 18:24	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/27/13 18:24	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/27/13 18:24	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/27/13 18:24	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/27/13 18:24	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/27/13 18:24	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/27/13 18:24	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/27/13 18:24	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/27/13 18:24	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/27/13 18:24	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/27/13 18:24	75-09-2	
Styrene	ND	ug/L	1.0	1		03/27/13 18:24	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/27/13 18:24	127-18-4	
Toluene	ND	ug/L	1.0	1		03/27/13 18:24	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/27/13 18:24	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/27/13 18:24	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/27/13 18:24	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/27/13 18:24	75-01-4	
Xylene (Total)	3.6	ug/L	1.0	1		03/27/13 18:24	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/27/13 18:24	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 18:24	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/27/13 18:24	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 18:24	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/27/13 18:24	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	99 %		85-115	1		03/27/13 18:24	460-00-4	
1,2-Dichloroethane-d4 (S)	93 %		77-119	1		03/27/13 18:24	17060-07-0	
Toluene-d8 (S)	100 %		85-115	1		03/27/13 18:24	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	8.0	NTU	0.20	2		03/22/13 18:39		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	576	mg/L	10.0	1		03/28/13 13:30		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-03 (-16)	Lab ID: 3090074003	Collected: 03/21/13 10:00	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	1130	mg/L	10.0	1		03/25/13 14:50		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	7.9	Std. Units	0.10	1		03/22/13 17:16		H6
9050 Specific Conductance	Analytical Method: EPA 9050							
Specific Conductance	1940	umhos/cm	1.0	1		03/28/13 16:20		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	23.9	mg/L	0.50	5		03/28/13 09:59	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	283	mg/L	10.0	1		03/28/13 08:40		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	348	mg/L	30.0	10		03/26/13 15:04	16887-00-6	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	48.3	mg/L	0.38	1		03/28/13 12:32	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	ND	mg/L	0.010	1		03/22/13 20:43	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	ND	mg/L	0.060	1		03/28/13 07:36	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-03 (-3)	Lab ID: 3090074004	Collected: 03/21/13 10:00	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)	Analytical Method: SM 2340B							
Total Hardness	403 mg/L		2.1	1		03/27/13 09:29		
	Analytical Method: EPA 6010B Preparation Method: EPA 3005							
Calcium	161000 ug/L		1000	1	03/25/13 14:21	03/27/13 09:29	7440-70-2	
Magnesium	ND ug/L		200	1	03/25/13 14:21	03/27/13 09:29	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 07:53	7440-36-0	D3
Arsenic	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 07:53	7440-38-2	D3
Barium	0.058 mg/L		0.0015	5	03/24/13 07:10	03/28/13 07:53	7440-39-3	
Beryllium	ND mg/L		0.0010	5	03/24/13 07:10	03/28/13 07:53	7440-41-7	D3
Cadmium	ND mg/L		0.00040	5	03/24/13 07:10	03/28/13 07:53	7440-43-9	D3
Calcium	163 mg/L		0.50	25	03/24/13 07:10	03/28/13 08:13	7440-70-2	M6
Chromium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 07:53	7440-47-3	D3
Cobalt	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 07:53	7440-48-4	D3
Copper	0.0042 mg/L		0.0025	5	03/24/13 07:10	03/28/13 07:53	7440-50-8	
Iron	ND mg/L		0.25	5	03/24/13 07:10	03/28/13 07:53	7439-89-6	D3
Lead	0.0065 mg/L		0.00050	5	03/24/13 07:10	03/28/13 07:53	7439-92-1	
Magnesium	0.035 mg/L		0.025	5	03/24/13 07:10	03/28/13 07:53	7439-95-4	
Manganese	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 07:53	7439-96-5	D3
Nickel	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 07:53	7440-02-0	D3
Potassium	11.1 mg/L		0.10	5	03/24/13 07:10	03/28/13 07:53	7440-09-7	
Selenium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 07:53	7782-49-2	D3
Silver	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 07:53	7440-22-4	D3
Sodium	11.4 mg/L		0.25	5	03/24/13 07:10	03/28/13 07:53	7440-23-5	
Thallium	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 07:53	7440-28-0	D3
Vanadium	0.022 mg/L		0.00050	5	03/24/13 07:10	03/28/13 07:53	7440-62-2	
Zinc	0.035 mg/L		0.025	5	03/24/13 07:10	03/28/13 07:53	7440-66-6	M6
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND mg/L		0.00020	1	03/24/13 07:28	03/25/13 11:13	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 18:49	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/27/13 18:49	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 18:49	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/27/13 18:49	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/27/13 18:49	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/27/13 18:49	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/27/13 18:49	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/27/13 18:49	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/27/13 18:49	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 18:49	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/27/13 18:49	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/27/13 18:49	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 18:49	106-46-7	

Date: 05/29/2013 09:36 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-03 (-3)	Lab ID: 3090074004	Collected: 03/21/13 10:00	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
2-Butanone (MEK)	ND ug/L		5.0	1		03/27/13 18:49	78-93-3	
2-Hexanone	ND ug/L		5.0	1		03/27/13 18:49	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		03/27/13 18:49	108-10-1	
Acetone	ND ug/L		5.0	1		03/27/13 18:49	67-64-1	
Acrylonitrile	ND ug/L		2.0	1		03/27/13 18:49	107-13-1	
Benzene	1.3 ug/L		1.0	1		03/27/13 18:49	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		03/27/13 18:49	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		03/27/13 18:49	75-27-4	
Bromoform	ND ug/L		1.0	1		03/27/13 18:49	75-25-2	
Bromomethane	ND ug/L		1.0	1		03/27/13 18:49	74-83-9	
Carbon disulfide	ND ug/L		1.0	1		03/27/13 18:49	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		03/27/13 18:49	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		03/27/13 18:49	108-90-7	
Chloroethane	ND ug/L		1.0	1		03/27/13 18:49	75-00-3	
Chloroform	ND ug/L		1.0	1		03/27/13 18:49	67-66-3	
Chloromethane	ND ug/L		1.0	1		03/27/13 18:49	74-87-3	
Dibromochloromethane	ND ug/L		1.0	1		03/27/13 18:49	124-48-1	
Dibromomethane	ND ug/L		1.0	1		03/27/13 18:49	74-95-3	
Ethylbenzene	ND ug/L		1.0	1		03/27/13 18:49	100-41-4	
Iodomethane	ND ug/L		1.0	1		03/27/13 18:49	74-88-4	
Methyl-tert-butyl ether	ND ug/L		1.0	1		03/27/13 18:49	1634-04-4	
Methylene Chloride	ND ug/L		1.0	1		03/27/13 18:49	75-09-2	
Styrene	ND ug/L		1.0	1		03/27/13 18:49	100-42-5	
Tetrachloroethene	ND ug/L		1.0	1		03/27/13 18:49	127-18-4	
Toluene	ND ug/L		1.0	1		03/27/13 18:49	108-88-3	
Trichloroethene	ND ug/L		1.0	1		03/27/13 18:49	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		03/27/13 18:49	75-69-4	
Vinyl acetate	ND ug/L		1.0	1		03/27/13 18:49	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		03/27/13 18:49	75-01-4	
Xylene (Total)	ND ug/L		1.0	1		03/27/13 18:49	1330-20-7	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		03/27/13 18:49	156-59-2	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		03/27/13 18:49	10061-01-5	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		03/27/13 18:49	156-60-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		03/27/13 18:49	10061-02-6	
trans-1,4-Dichloro-2-butene	ND ug/L		1.0	1		03/27/13 18:49	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	101 %		85-115	1		03/27/13 18:49	460-00-4	
1,2-Dichloroethane-d4 (S)	88 %		77-119	1		03/27/13 18:49	17060-07-0	
Toluene-d8 (S)	96 %		85-115	1		03/27/13 18:49	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	0.58 NTU		0.10	1		03/22/13 18:39		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	500 mg/L		10.0	1		03/28/13 13:30		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-03 (-3)		Lab ID: 3090074004	Collected: 03/21/13 10:00	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	507	mg/L	10.0	1		03/25/13 14:50		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	11.8	Std. Units	0.10	1		03/22/13 17:16		H6
9050 Specific Conductance	Analytical Method: EPA 9050							
Specific Conductance	1790	umhos/cm	1.0	1		03/28/13 16:20		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	1.5	mg/L	0.10	1		03/28/13 09:59	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	13.8	mg/L	10.0	1		03/28/13 08:40		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	12.2	mg/L	3.0	1		03/26/13 15:05	16887-00-6	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	126	mg/L	0.76	2		03/28/13 12:32	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	0.093	mg/L	0.010	1		03/22/13 20:43	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	ND	mg/L	0.060	1		03/28/13 07:36	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-18 (-3)	Lab ID: 3090074005	Collected: 03/21/13 10:43	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)	Analytical Method: SM 2340B							
Total Hardness	655 mg/L		2.1	1		03/27/13 09:41		
	Analytical Method: EPA 6010B Preparation Method: EPA 3005							
Calcium	262000 ug/L		1000	1	03/25/13 14:21	03/27/13 09:41	7440-70-2	
Magnesium	ND ug/L		200	1	03/25/13 14:21	03/27/13 09:41	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 07:45	7440-36-0	D3
Arsenic	0.0087 mg/L		0.0025	5	03/24/13 07:10	03/28/13 07:45	7440-38-2	
Barium	0.026 mg/L		0.0015	5	03/24/13 07:10	03/28/13 07:45	7440-39-3	
Beryllium	ND mg/L		0.0010	5	03/24/13 07:10	03/28/13 07:45	7440-41-7	D3
Cadmium	ND mg/L		0.00040	5	03/24/13 07:10	03/28/13 07:45	7440-43-9	D3
Calcium	264 mg/L		0.50	25	03/24/13 07:10	03/28/13 07:49	7440-70-2	
Chromium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 07:45	7440-47-3	D3
Cobalt	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 07:45	7440-48-4	D3
Copper	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 07:45	7440-50-8	D3
Iron	0.30 mg/L		0.25	5	03/24/13 07:10	03/28/13 07:45	7439-89-6	
Lead	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 07:45	7439-92-1	D3
Magnesium	0.047 mg/L		0.025	5	03/24/13 07:10	03/28/13 07:45	7439-95-4	
Manganese	0.0035 mg/L		0.0025	5	03/24/13 07:10	03/28/13 07:45	7439-96-5	
Nickel	0.017 mg/L		0.0025	5	03/24/13 07:10	03/28/13 07:45	7440-02-0	
Potassium	109 mg/L		0.50	25	03/24/13 07:10	03/28/13 07:49	7440-09-7	
Selenium	0.0025 mg/L		0.0025	5	03/24/13 07:10	03/28/13 07:45	7782-49-2	
Silver	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 07:45	7440-22-4	D3
Sodium	146 mg/L		1.2	25	03/24/13 07:10	03/28/13 07:49	7440-23-5	
Thallium	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 07:45	7440-28-0	D3
Vanadium	0.022 mg/L		0.00050	5	03/24/13 07:10	03/28/13 07:45	7440-62-2	
Zinc	ND mg/L		0.025	5	03/24/13 07:10	03/28/13 07:45	7440-66-6	D3
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND mg/L		0.00020	1	03/24/13 07:28	03/25/13 11:16	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	32.1 ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	83-32-9	
Acenaphthylene	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	208-96-8	
Anthracene	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	120-12-7	
Azobenzene	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	103-33-3	N2
Benzo(a)anthracene	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	56-55-3	
Benzo(a)pyrene	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	50-32-8	
Benzo(b)fluoranthene	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	191-24-2	
Benzo(k)fluoranthene	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	207-08-9	
Benzoic acid	ND ug/L		1100	10	03/26/13 08:30	03/27/13 16:00	65-85-0	
Benzyl alcohol	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	100-51-6	
4-Bromophenylphenyl ether	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	101-55-3	
Butylbenzylphthalate	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	85-68-7	

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ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-18 (-3)	Lab ID: 3090074005	Collected: 03/21/13 10:43	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic								
Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Carbazole	165 ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	86-74-8	
4-Chloro-3-methylphenol	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	59-50-7	
4-Chloroaniline	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	111-91-1	
bis(2-Chloroethyl) ether	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	108-60-1	
2-Chloronaphthalene	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	91-58-7	
2-Chlorophenol	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	95-57-8	
4-Chlorophenylphenyl ether	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	7005-72-3	
Chrysene	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	53-70-3	
Dibenzofuran	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	132-64-9	
1,2-Dichlorobenzene	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	95-50-1	
1,3-Dichlorobenzene	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	541-73-1	
1,4-Dichlorobenzene	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	106-46-7	
3,3'-Dichlorobenzidine	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	91-94-1	
2,4-Dichlorophenol	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	120-83-2	
Diethylphthalate	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	84-66-2	
2,4-Dimethylphenol	ND ug/L		549	500	03/26/13 08:30	03/28/13 19:12	105-67-9	
Dimethylphthalate	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	131-11-3	
Di-n-butylphthalate	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/L		27.5	10	03/26/13 08:30	03/27/13 16:00	534-52-1	
2,4-Dinitrophenol	ND ug/L		27.5	10	03/26/13 08:30	03/27/13 16:00	51-28-5	
2,4-Dinitrotoluene	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	121-14-2	
2,6-Dinitrotoluene	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	606-20-2	
Di-n-octylphthalate	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	117-81-7	
Fluoranthene	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	206-44-0	
Fluorene	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	86-73-7	
Hexachloro-1,3-butadiene	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	87-68-3	
Hexachlorobenzene	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	118-74-1	
Hexachlorocyclopentadiene	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	77-47-4	
Hexachloroethane	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	193-39-5	
Isophorone	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	78-59-1	
1-Methylnaphthalene	64.3 ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	90-12-0	N2
2-Methylnaphthalene	60.3 ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	91-57-6	
2-Methylphenol(o-Cresol)	928 ug/L		549	500	03/26/13 08:30	03/28/13 19:12	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/L		1100	500	03/26/13 08:30	03/28/13 19:12		
Naphthalene	2580 ug/L		549	500	03/26/13 08:30	03/28/13 19:12	91-20-3	
2-Nitroaniline	ND ug/L		27.5	10	03/26/13 08:30	03/27/13 16:00	88-74-4	
3-Nitroaniline	ND ug/L		27.5	10	03/26/13 08:30	03/27/13 16:00	99-09-2	
4-Nitroaniline	ND ug/L		27.5	10	03/26/13 08:30	03/27/13 16:00	100-01-6	
Nitrobenzene	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	98-95-3	
2-Nitrophenol	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	88-75-5	
4-Nitrophenol	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	100-02-7	
N-Nitrosodimethylamine	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	62-75-9	

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ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-18 (-3)	Lab ID: 3090074005	Collected: 03/21/13 10:43	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic								
Analytical Method: EPA 8270 Preparation Method: EPA 3510								
N-Nitroso-di-n-propylamine	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	621-64-7	
N-Nitrosodiphenylamine	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	86-30-6	
Pentachlorophenol	ND ug/L		27.5	10	03/26/13 08:30	03/27/13 16:00	87-86-5	
Phenanthrene	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	85-01-8	
Phenol	ND ug/L		549	500	03/26/13 08:30	03/28/13 19:12	108-95-2	
Pyrene	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	129-00-0	
1,2,4-Trichlorobenzene	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	120-82-1	
2,4,5-Trichlorophenol	ND ug/L		27.5	10	03/26/13 08:30	03/27/13 16:00	95-95-4	
2,4,6-Trichlorophenol	ND ug/L		11.0	10	03/26/13 08:30	03/27/13 16:00	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	193 %		35-114	10	03/26/13 08:30	03/27/13 16:00	4165-60-0	S4
2-Fluorobiphenyl (S)	77 %		43-116	10	03/26/13 08:30	03/27/13 16:00	321-60-8	
Terphenyl-d14 (S)	109 %		33-141	10	03/26/13 08:30	03/27/13 16:00	1718-51-0	
Phenol-d6 (S)	29 %		10-110	10	03/26/13 08:30	03/27/13 16:00	13127-88-3	
2-Fluorophenol (S)	51 %		21-110	10	03/26/13 08:30	03/27/13 16:00	367-12-4	
2,4,6-Tribromophenol (S)	76 %		10-123	10	03/26/13 08:30	03/27/13 16:00	118-79-6	
8260 MSV								
Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 20:26	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/27/13 20:26	71-55-6	
1,1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 20:26	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/27/13 20:26	79-00-5	
1,1-Dichloroethane	38.2 ug/L		1.0	1		03/27/13 20:26	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/27/13 20:26	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/27/13 20:26	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/27/13 20:26	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/27/13 20:26	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 20:26	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/27/13 20:26	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/27/13 20:26	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 20:26	106-46-7	
2-Butanone (MEK)	ND ug/L		5.0	1		03/27/13 20:26	78-93-3	
2-Hexanone	6.3 ug/L		5.0	1		03/27/13 20:26	591-78-6	
4-Methyl-2-pentanone (MIBK)	9.9 ug/L		5.0	1		03/27/13 20:26	108-10-1	
Acetone	9.3 ug/L		5.0	1		03/27/13 20:26	67-64-1	
Acrylonitrile	ND ug/L		2.0	1		03/27/13 20:26	107-13-1	
Benzene	976 ug/L		10.0	10		03/28/13 08:12	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		03/27/13 20:26	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		03/27/13 20:26	75-27-4	
Bromoform	ND ug/L		1.0	1		03/27/13 20:26	75-25-2	
Bromomethane	ND ug/L		1.0	1		03/27/13 20:26	74-83-9	
Carbon disulfide	ND ug/L		1.0	1		03/27/13 20:26	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		03/27/13 20:26	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		03/27/13 20:26	108-90-7	
Chloroethane	ND ug/L		1.0	1		03/27/13 20:26	75-00-3	
Chloroform	ND ug/L		1.0	1		03/27/13 20:26	67-66-3	
Chloromethane	ND ug/L		1.0	1		03/27/13 20:26	74-87-3	

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ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-18 (-3)		Lab ID: 3090074005	Collected: 03/21/13 10:43	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Dibromochloromethane	ND	ug/L	1.0	1		03/27/13 20:26	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/27/13 20:26	74-95-3	
Ethylbenzene	11.0	ug/L	1.0	1		03/27/13 20:26	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/27/13 20:26	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/27/13 20:26	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/27/13 20:26	75-09-2	
Styrene	9.0	ug/L	1.0	1		03/27/13 20:26	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/27/13 20:26	127-18-4	
Toluene	395	ug/L	1.0	1		03/27/13 20:26	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/27/13 20:26	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/27/13 20:26	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/27/13 20:26	108-05-4	
Vinyl chloride	8.1	ug/L	1.0	1		03/27/13 20:26	75-01-4	
Xylene (Total)	172	ug/L	1.0	1		03/27/13 20:26	1330-20-7	
cis-1,2-Dichloroethene	5.0	ug/L	1.0	1		03/27/13 20:26	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 20:26	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/27/13 20:26	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 20:26	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/27/13 20:26	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	98 %		85-115	1		03/27/13 20:26	460-00-4	
1,2-Dichloroethane-d4 (S)	89 %		77-119	1		03/27/13 20:26	17060-07-0	
Toluene-d8 (S)	98 %		85-115	1		03/27/13 20:26	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	1.2	NTU	0.20	2		03/22/13 18:39		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	200	mg/L	10.0	1		03/28/13 13:30		
2540C Total Dissolved Solids		Analytical Method: SM 2540C						
Total Dissolved Solids	1700	mg/L	10.0	1		03/25/13 14:50		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	10.8	Std. Units	0.10	1		03/22/13 17:16		H6
9050 Specific Conductance		Analytical Method: EPA 9050						
Specific Conductance	2470	umhos/cm	1.0	1		03/28/13 16:20		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	85.0	mg/L	2.0	20		03/28/13 09:59	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	262	mg/L	10.0	1		03/28/13 11:30		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-18 (-3)		Lab ID: 3090074005		Collected: 03/21/13 10:43	Received: 03/22/13 10:00	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	354	mg/L	30.0	10		03/26/13 15:45	16887-00-6	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	1400	mg/L	19.0	50		03/28/13 13:07	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	ND	mg/L	0.010	1		03/22/13 20:46	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	ND	mg/L	0.060	1		03/28/13 07:36	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-18 (-33)	Lab ID: 3090074006	Collected: 03/21/13 10:46	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)								
Analytical Method: SM 2340B								
Total Hardness	631 mg/L		2.1	1		03/27/13 09:44		
Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Calcium	76200 ug/L		1000	1	03/25/13 14:21	03/27/13 09:44	7440-70-2	
Magnesium	107000 ug/L		200	1	03/25/13 14:21	03/27/13 09:44	7439-95-4	
6020 MET ICPMS								
Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Antimony	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 18:36	7440-36-0	D3
Arsenic	0.0039 mg/L		0.0025	5	03/24/13 07:10	03/28/13 18:36	7440-38-2	
Barium	0.93 mg/L		0.0015	5	03/24/13 07:10	03/28/13 18:36	7440-39-3	
Beryllium	ND mg/L		0.0010	5	03/24/13 07:10	03/28/13 18:36	7440-41-7	D3
Cadmium	0.00047 mg/L		0.00040	5	03/24/13 07:10	03/28/13 18:36	7440-43-9	
Calcium	77.7 mg/L		0.10	5	03/24/13 07:10	03/28/13 18:36	7440-70-2	
Chromium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 18:36	7440-47-3	D3
Cobalt	0.021 mg/L		0.0025	5	03/24/13 07:10	03/28/13 18:36	7440-48-4	
Copper	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 18:36	7440-50-8	D3
Iron	301 mg/L		2.5	50	03/24/13 07:10	03/28/13 18:40	7439-89-6	
Lead	0.00086 mg/L		0.00050	5	03/24/13 07:10	03/28/13 18:36	7439-92-1	
Magnesium	104 mg/L		0.025	5	03/24/13 07:10	03/28/13 18:36	7439-95-4	
Manganese	9.7 mg/L		0.025	50	03/24/13 07:10	03/28/13 18:40	7439-96-5	
Nickel	0.0071 mg/L		0.0025	5	03/24/13 07:10	03/28/13 18:36	7440-02-0	
Potassium	6.3 mg/L		0.10	5	03/24/13 07:10	03/28/13 18:36	7440-09-7	
Selenium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 18:36	7782-49-2	D3
Silver	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 18:36	7440-22-4	D3
Sodium	588 mg/L		2.5	50	03/24/13 07:10	03/28/13 18:40	7440-23-5	
Thallium	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 18:36	7440-28-0	D3
Vanadium	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 18:36	7440-62-2	D3
Zinc	ND mg/L		0.025	5	03/24/13 07:10	03/28/13 18:36	7440-66-6	
7470 Mercury								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND mg/L		0.00020	1	03/24/13 07:28	03/25/13 11:18	7439-97-6	
8260 MSV								
Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 19:13	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/27/13 19:13	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 19:13	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/27/13 19:13	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/27/13 19:13	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/27/13 19:13	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/27/13 19:13	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/27/13 19:13	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/27/13 19:13	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 19:13	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/27/13 19:13	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/27/13 19:13	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 19:13	106-46-7	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-18 (-33)	Lab ID: 3090074006	Collected: 03/21/13 10:46	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
2-Butanone (MEK)	ND ug/L		5.0	1		03/27/13 19:13	78-93-3	
2-Hexanone	ND ug/L		5.0	1		03/27/13 19:13	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		03/27/13 19:13	108-10-1	
Acetone	ND ug/L		5.0	1		03/27/13 19:13	67-64-1	
Acrylonitrile	ND ug/L		2.0	1		03/27/13 19:13	107-13-1	
Benzene	ND ug/L		1.0	1		03/27/13 19:13	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		03/27/13 19:13	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		03/27/13 19:13	75-27-4	
Bromoform	ND ug/L		1.0	1		03/27/13 19:13	75-25-2	
Bromomethane	ND ug/L		1.0	1		03/27/13 19:13	74-83-9	
Carbon disulfide	2.0 ug/L		1.0	1		03/27/13 19:13	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		03/27/13 19:13	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		03/27/13 19:13	108-90-7	
Chloroethane	ND ug/L		1.0	1		03/27/13 19:13	75-00-3	
Chloroform	ND ug/L		1.0	1		03/27/13 19:13	67-66-3	
Chloromethane	ND ug/L		1.0	1		03/27/13 19:13	74-87-3	
Dibromochloromethane	ND ug/L		1.0	1		03/27/13 19:13	124-48-1	
Dibromomethane	ND ug/L		1.0	1		03/27/13 19:13	74-95-3	
Ethylbenzene	ND ug/L		1.0	1		03/27/13 19:13	100-41-4	
Iodomethane	ND ug/L		1.0	1		03/27/13 19:13	74-88-4	
Methyl-tert-butyl ether	ND ug/L		1.0	1		03/27/13 19:13	1634-04-4	
Methylene Chloride	ND ug/L		1.0	1		03/27/13 19:13	75-09-2	
Styrene	ND ug/L		1.0	1		03/27/13 19:13	100-42-5	
Tetrachloroethene	ND ug/L		1.0	1		03/27/13 19:13	127-18-4	
Toluene	ND ug/L		1.0	1		03/27/13 19:13	108-88-3	
Trichloroethene	ND ug/L		1.0	1		03/27/13 19:13	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		03/27/13 19:13	75-69-4	
Vinyl acetate	ND ug/L		1.0	1		03/27/13 19:13	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		03/27/13 19:13	75-01-4	
Xylene (Total)	ND ug/L		1.0	1		03/27/13 19:13	1330-20-7	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		03/27/13 19:13	156-59-2	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		03/27/13 19:13	10061-01-5	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		03/27/13 19:13	156-60-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		03/27/13 19:13	10061-02-6	
trans-1,4-Dichloro-2-butene	ND ug/L		1.0	1		03/27/13 19:13	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	100 %		85-115	1		03/27/13 19:13	460-00-4	
1,2-Dichloroethane-d4 (S)	90 %		77-119	1		03/27/13 19:13	17060-07-0	
Toluene-d8 (S)	98 %		85-115	1		03/27/13 19:13	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	0.34 NTU		0.10	1		03/22/13 18:39		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	ND mg/L		1.0	1		03/28/13 13:30		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-18 (-33)	Lab ID: 3090074006	Collected: 03/21/13 10:46	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	2790	mg/L	10.0	1		03/25/13 14:50		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	2.4	Std. Units	0.10	1		03/22/13 17:16		H6
9050 Specific Conductance	Analytical Method: EPA 9050							
Specific Conductance	6830	umhos/cm	1.0	1		03/28/13 16:20		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	3.4	mg/L	0.10	1		03/28/13 09:59	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	140	mg/L	10.0	1		03/28/13 11:30		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	1940	mg/L	150	50		03/26/13 15:07	16887-00-6	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	22.5	mg/L	0.38	1		03/28/13 12:34	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	ND	mg/L	0.010	1		03/22/13 20:47	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	ND	mg/L	0.060	1		03/28/13 07:36	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-20 (-5)	Lab ID: 3090074007	Collected: 03/21/13 11:42	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)	Analytical Method: SM 2340B							
Total Hardness	60.4 mg/L		2.1	1		03/27/13 09:47		
	Analytical Method: EPA 6010B Preparation Method: EPA 3005							
Calcium	8770 ug/L		1000	1	03/25/13 14:21	03/27/13 09:47	7440-70-2	
Magnesium	9360 ug/L		200	1	03/25/13 14:21	03/27/13 09:47	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 18:44	7440-36-0	D3
Arsenic	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 18:44	7440-38-2	D3
Barium	0.063 mg/L		0.0015	5	03/24/13 07:10	03/28/13 18:44	7440-39-3	
Beryllium	ND mg/L		0.0010	5	03/24/13 07:10	03/28/13 18:44	7440-41-7	D3
Cadmium	ND mg/L		0.00040	5	03/24/13 07:10	03/28/13 18:44	7440-43-9	D3
Calcium	8.6 mg/L		0.10	5	03/24/13 07:10	03/28/13 18:44	7440-70-2	
Chromium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 18:44	7440-47-3	D3
Cobalt	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 18:44	7440-48-4	D3
Copper	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 18:44	7440-50-8	D3
Iron	ND mg/L		0.25	5	03/24/13 07:10	03/28/13 18:44	7439-89-6	D3
Lead	0.0023 mg/L		0.00050	5	03/24/13 07:10	03/28/13 18:44	7439-92-1	
Magnesium	9.2 mg/L		0.025	5	03/24/13 07:10	03/28/13 18:44	7439-95-4	
Manganese	0.0082 mg/L		0.0025	5	03/24/13 07:10	03/28/13 18:44	7439-96-5	
Nickel	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 18:44	7440-02-0	D3
Potassium	32.0 mg/L		0.10	5	03/24/13 07:10	03/28/13 18:44	7440-09-7	
Selenium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 18:44	7782-49-2	D3
Silver	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 18:44	7440-22-4	D3
Sodium	49.3 mg/L		0.25	5	03/24/13 07:10	03/28/13 18:44	7440-23-5	
Thallium	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 18:44	7440-28-0	D3
Vanadium	0.0063 mg/L		0.00050	5	03/24/13 07:10	03/28/13 18:44	7440-62-2	
Zinc	0.029 mg/L		0.025	5	03/24/13 07:10	03/28/13 18:44	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND mg/L		0.00020	1	03/24/13 07:28	03/25/13 11:31	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	83-32-9	
Acenaphthylene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	208-96-8	
Anthracene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	120-12-7	
Azobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	103-33-3	N2
Benzo(a)anthracene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	56-55-3	
Benzo(a)pyrene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	50-32-8	
Benzo(b)fluoranthene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	191-24-2	
Benzo(k)fluoranthene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	207-08-9	
Benzoic acid	ND ug/L		110	1	03/26/13 08:30	03/27/13 16:23	65-85-0	
Benzyl alcohol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	100-51-6	
4-Bromophenylphenyl ether	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	101-55-3	
Butylbenzylphthalate	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	85-68-7	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-20 (-5)	Lab ID: 3090074007	Collected: 03/21/13 11:42	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic								
Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Carbazole	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	86-74-8	
4-Chloro-3-methylphenol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	59-50-7	
4-Chloroaniline	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	111-91-1	
bis(2-Chloroethyl) ether	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	108-60-1	
2-Chloronaphthalene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	91-58-7	
2-Chlorophenol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	95-57-8	
4-Chlorophenylphenyl ether	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	7005-72-3	
Chrysene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	53-70-3	
Dibenzofuran	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	132-64-9	
1,2-Dichlorobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	106-46-7	
3,3'-Dichlorobenzidine	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	91-94-1	
2,4-Dichlorophenol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	120-83-2	
Diethylphthalate	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	84-66-2	
2,4-Dimethylphenol	39.2 ug/L		11.0	10	03/26/13 08:30	03/28/13 19:34	105-67-9	
Dimethylphthalate	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	131-11-3	
Di-n-butylphthalate	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/L		2.7	1	03/26/13 08:30	03/27/13 16:23	534-52-1	
2,4-Dinitrophenol	ND ug/L		2.7	1	03/26/13 08:30	03/27/13 16:23	51-28-5	
2,4-Dinitrotoluene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	121-14-2	
2,6-Dinitrotoluene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	606-20-2	
Di-n-octylphthalate	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	117-81-7	
Fluoranthene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	206-44-0	
Fluorene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	86-73-7	
Hexachloro-1,3-butadiene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	87-68-3	
Hexachlorobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	118-74-1	
Hexachlorocyclopentadiene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	77-47-4	
Hexachloroethane	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	193-39-5	
Isophorone	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	78-59-1	
1-Methylnaphthalene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	90-12-0	N2
2-Methylnaphthalene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	91-57-6	
2-Methylphenol(o-Cresol)	6.4 ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	95-48-7	
3&4-Methylphenol(m&p Cresol)	2.6 ug/L		2.2	1	03/26/13 08:30	03/27/13 16:23		
Naphthalene	6.3 ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	91-20-3	
2-Nitroaniline	ND ug/L		2.7	1	03/26/13 08:30	03/27/13 16:23	88-74-4	
3-Nitroaniline	ND ug/L		2.7	1	03/26/13 08:30	03/27/13 16:23	99-09-2	
4-Nitroaniline	ND ug/L		2.7	1	03/26/13 08:30	03/27/13 16:23	100-01-6	
Nitrobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	98-95-3	
2-Nitrophenol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	88-75-5	
4-Nitrophenol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	100-02-7	
N-Nitrosodimethylamine	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	62-75-9	

Date: 05/29/2013 09:36 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-20 (-5)	Lab ID: 3090074007	Collected: 03/21/13 11:42	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic								
Analytical Method: EPA 8270 Preparation Method: EPA 3510								
N-Nitroso-di-n-propylamine	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	621-64-7	
N-Nitrosodiphenylamine	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	86-30-6	
Pentachlorophenol	ND ug/L		2.7	1	03/26/13 08:30	03/27/13 16:23	87-86-5	
Phenanthrene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	85-01-8	
Phenol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	108-95-2	
Pyrene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	129-00-0	
1,2,4-Trichlorobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	120-82-1	
2,4,5-Trichlorophenol	ND ug/L		2.7	1	03/26/13 08:30	03/27/13 16:23	95-95-4	
2,4,6-Trichlorophenol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:23	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	51 %		35-114	1	03/26/13 08:30	03/27/13 16:23	4165-60-0	
2-Fluorobiphenyl (S)	43 %		43-116	1	03/26/13 08:30	03/27/13 16:23	321-60-8	
Terphenyl-d14 (S)	81 %		33-141	1	03/26/13 08:30	03/27/13 16:23	1718-51-0	
Phenol-d6 (S)	15 %		10-110	1	03/26/13 08:30	03/27/13 16:23	13127-88-3	
2-Fluorophenol (S)	22 %		21-110	1	03/26/13 08:30	03/27/13 16:23	367-12-4	
2,4,6-Tribromophenol (S)	75 %		10-123	1	03/26/13 08:30	03/27/13 16:23	118-79-6	
8260 MSV								
Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 19:38	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/27/13 19:38	71-55-6	
1,1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/27/13 19:38	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/27/13 19:38	79-00-5	
1,1-Dichloroethane	2.4 ug/L		1.0	1		03/27/13 19:38	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/27/13 19:38	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/27/13 19:38	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/27/13 19:38	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/27/13 19:38	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 19:38	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/27/13 19:38	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/27/13 19:38	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/27/13 19:38	106-46-7	
2-Butanone (MEK)	ND ug/L		5.0	1		03/27/13 19:38	78-93-3	
2-Hexanone	ND ug/L		5.0	1		03/27/13 19:38	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		03/27/13 19:38	108-10-1	
Acetone	ND ug/L		5.0	1		03/27/13 19:38	67-64-1	
Acrylonitrile	ND ug/L		2.0	1		03/27/13 19:38	107-13-1	
Benzene	23.6 ug/L		1.0	1		03/27/13 19:38	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		03/27/13 19:38	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		03/27/13 19:38	75-27-4	
Bromoform	ND ug/L		1.0	1		03/27/13 19:38	75-25-2	
Bromomethane	ND ug/L		1.0	1		03/27/13 19:38	74-83-9	
Carbon disulfide	ND ug/L		1.0	1		03/27/13 19:38	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		03/27/13 19:38	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		03/27/13 19:38	108-90-7	
Chloroethane	ND ug/L		1.0	1		03/27/13 19:38	75-00-3	
Chloroform	ND ug/L		1.0	1		03/27/13 19:38	67-66-3	
Chloromethane	ND ug/L		1.0	1		03/27/13 19:38	74-87-3	

Date: 05/29/2013 09:36 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-20 (-5)		Lab ID: 3090074007	Collected: 03/21/13 11:42	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Dibromochloromethane	ND	ug/L	1.0	1		03/27/13 19:38	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/27/13 19:38	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/27/13 19:38	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/27/13 19:38	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/27/13 19:38	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/27/13 19:38	75-09-2	
Styrene	ND	ug/L	1.0	1		03/27/13 19:38	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/27/13 19:38	127-18-4	
Toluene	ND	ug/L	1.0	1		03/27/13 19:38	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/27/13 19:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/27/13 19:38	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/27/13 19:38	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/27/13 19:38	75-01-4	
Xylene (Total)	2.1	ug/L	1.0	1		03/27/13 19:38	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/27/13 19:38	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 19:38	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/27/13 19:38	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 19:38	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/27/13 19:38	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	99 %		85-115	1		03/27/13 19:38	460-00-4	
1,2-Dichloroethane-d4 (S)	94 %		77-119	1		03/27/13 19:38	17060-07-0	
Toluene-d8 (S)	99 %		85-115	1		03/27/13 19:38	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	3.6	NTU	0.10	1		03/22/13 18:39		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	106	mg/L	10.0	1		03/28/13 13:30		
2540C Total Dissolved Solids		Analytical Method: SM 2540C						
Total Dissolved Solids	288	mg/L	10.0	1		03/25/13 14:50		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	9.4	Std. Units	0.10	1		03/22/13 17:16		H6
9050 Specific Conductance		Analytical Method: EPA 9050						
Specific Conductance	525	umhos/cm	1.0	1		03/28/13 16:20		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	4.6	mg/L	0.10	1		03/28/13 09:59	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	50.8	mg/L	10.0	1		03/28/13 11:30		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-20 (-5)		Lab ID: 3090074007		Collected: 03/21/13 11:42	Received: 03/22/13 10:00	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	39.0	mg/L	3.0	1		03/26/13 15:07	16887-00-6	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	48.8	mg/L	0.38	1		03/28/13 12:35	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	ND	mg/L	0.010	1		03/22/13 20:47	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	ND	mg/L	0.060	1		03/28/13 07:36	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill
Pace Project No.: 3090074

Sample: TS-01 (-7)	Lab ID: 3090074008	Collected: 03/21/13 12:50	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.) Analytical Method: SM 2340B								
Total Hardness	1240	mg/L	2.1	1		03/27/13 09:50		
Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Calcium	497000	ug/L	1000	1	03/25/13 14:21	03/27/13 09:50	7440-70-2	
Magnesium	ND	ug/L	200	1	03/25/13 14:21	03/27/13 09:50	7439-95-4	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Antimony	ND	mg/L	0.0025	5	03/24/13 07:10	03/28/13 18:57	7440-36-0	D3
Arsenic	0.0045	mg/L	0.0025	5	03/24/13 07:10	03/28/13 18:57	7440-38-2	
Barium	0.024	mg/L	0.0015	5	03/24/13 07:10	03/28/13 18:57	7440-39-3	
Beryllium	ND	mg/L	0.0010	5	03/24/13 07:10	03/28/13 18:57	7440-41-7	D3
Cadmium	ND	mg/L	0.00040	5	03/24/13 07:10	03/28/13 18:57	7440-43-9	D3
Calcium	541	mg/L	2.0	100	03/24/13 07:10	03/28/13 19:02	7440-70-2	
Chromium	ND	mg/L	0.0025	5	03/24/13 07:10	03/28/13 18:57	7440-47-3	D3
Cobalt	ND	mg/L	0.0025	5	03/24/13 07:10	03/28/13 18:57	7440-48-4	D3
Copper	ND	mg/L	0.0025	5	03/24/13 07:10	03/28/13 18:57	7440-50-8	D3
Iron	ND	mg/L	0.25	5	03/24/13 07:10	03/28/13 18:57	7439-89-6	D3
Lead	ND	mg/L	0.00050	5	03/24/13 07:10	03/28/13 18:57	7439-92-1	D3
Magnesium	0.091	mg/L	0.025	5	03/24/13 07:10	03/28/13 18:57	7439-95-4	
Manganese	ND	mg/L	0.0025	5	03/24/13 07:10	03/28/13 18:57	7439-96-5	D3
Nickel	ND	mg/L	0.0025	5	03/24/13 07:10	03/28/13 18:57	7440-02-0	D3
Potassium	540	mg/L	2.0	100	03/24/13 07:10	03/28/13 19:02	7440-09-7	
Selenium	ND	mg/L	0.0025	5	03/24/13 07:10	03/28/13 18:57	7782-49-2	D3
Silver	ND	mg/L	0.0025	5	03/24/13 07:10	03/28/13 18:57	7440-22-4	D3
Sodium	1630	mg/L	5.0	100	03/24/13 07:10	03/28/13 19:02	7440-23-5	
Thallium	ND	mg/L	0.00050	5	03/24/13 07:10	03/28/13 18:57	7440-28-0	D3
Vanadium	0.051	mg/L	0.00050	5	03/24/13 07:10	03/28/13 18:57	7440-62-2	
Zinc	ND	mg/L	0.025	5	03/24/13 07:10	03/28/13 18:57	7440-66-6	D3
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	mg/L	0.00020	1	03/24/13 07:28	03/25/13 11:33	7439-97-6	
8260 MSV Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/27/13 20:02	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/27/13 20:02	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/27/13 20:02	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/27/13 20:02	79-00-5	
1,1-Dichloroethane	3.1	ug/L	1.0	1		03/27/13 20:02	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		03/27/13 20:02	75-35-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/27/13 20:02	96-18-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		03/27/13 20:02	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/27/13 20:02	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/27/13 20:02	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/27/13 20:02	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/27/13 20:02	78-87-5	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/27/13 20:02	106-46-7	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: TS-01 (-7)		Lab ID: 3090074008	Collected: 03/21/13 12:50	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
2-Butanone (MEK)	ND	ug/L	5.0	1		03/27/13 20:02	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		03/27/13 20:02	591-78-6	
4-Methyl-2-pentanone (MIBK)	5.3	ug/L	5.0	1		03/27/13 20:02	108-10-1	
Acetone	ND	ug/L	5.0	1		03/27/13 20:02	67-64-1	
Acrylonitrile	ND	ug/L	2.0	1		03/27/13 20:02	107-13-1	
Benzene	16.0	ug/L	1.0	1		03/27/13 20:02	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/27/13 20:02	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/27/13 20:02	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/27/13 20:02	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/27/13 20:02	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		03/27/13 20:02	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/27/13 20:02	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/27/13 20:02	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/27/13 20:02	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/27/13 20:02	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/27/13 20:02	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/27/13 20:02	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/27/13 20:02	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/27/13 20:02	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/27/13 20:02	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/27/13 20:02	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/27/13 20:02	75-09-2	
Styrene	ND	ug/L	1.0	1		03/27/13 20:02	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/27/13 20:02	127-18-4	
Toluene	ND	ug/L	1.0	1		03/27/13 20:02	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/27/13 20:02	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/27/13 20:02	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/27/13 20:02	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/27/13 20:02	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/27/13 20:02	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/27/13 20:02	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 20:02	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/27/13 20:02	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/27/13 20:02	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/27/13 20:02	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	101 %		85-115	1		03/27/13 20:02	460-00-4	
1,2-Dichloroethane-d4 (S)	91 %		77-119	1		03/27/13 20:02	17060-07-0	
Toluene-d8 (S)	97 %		85-115	1		03/27/13 20:02	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	0.19	NTU	0.10	1		03/22/13 18:39		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	400	mg/L	10.0	1		03/28/13 13:30		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: TS-01 (-7)		Lab ID: 3090074008	Collected: 03/21/13 12:50	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	7120	mg/L	10.0	1		03/25/13 14:50		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	11.6	Std. Units	0.10	1		03/22/13 17:16		H6
9050 Specific Conductance	Analytical Method: EPA 9050							
Specific Conductance	11100	umhos/cm	1.0	1		03/28/13 16:20		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	56.6	mg/L	1.0	10		03/28/13 09:59	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	190	mg/L	10.0	1		03/28/13 11:30		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	2460	mg/L	150	50		03/26/13 15:08	16887-00-6	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	2540	mg/L	19.0	50		03/28/13 12:37	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	ND	mg/L	0.010	1		03/22/13 20:49	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	0.074	mg/L	0.060	1		03/28/13 07:36	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-17 (-31)	Lab ID: 3090074009	Collected: 03/21/13 13:30	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)	Analytical Method: SM 2340B							
Total Hardness	652 mg/L		2.1	1		03/27/13 09:53		
	Analytical Method: EPA 6010B Preparation Method: EPA 3005							
Calcium	111000 ug/L		1000	1	03/25/13 14:21	03/27/13 09:53	7440-70-2	
Magnesium	91100 ug/L		200	1	03/25/13 14:21	03/27/13 09:53	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:06	7440-36-0	D3
Arsenic	0.0083 mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:06	7440-38-2	
Barium	0.13 mg/L		0.0015	5	03/24/13 07:10	03/28/13 19:06	7440-39-3	
Beryllium	ND mg/L		0.0010	5	03/24/13 07:10	03/28/13 19:06	7440-41-7	D3
Cadmium	ND mg/L		0.00040	5	03/24/13 07:10	03/28/13 19:06	7440-43-9	D3
Calcium	112 mg/L		0.10	5	03/24/13 07:10	03/28/13 19:06	7440-70-2	
Chromium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:06	7440-47-3	D3
Cobalt	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:06	7440-48-4	D3
Copper	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:06	7440-50-8	D3
Iron	1.0 mg/L		0.25	5	03/24/13 07:10	03/28/13 19:06	7439-89-6	
Lead	0.0019 mg/L		0.00050	5	03/24/13 07:10	03/28/13 19:06	7439-92-1	
Magnesium	87.9 mg/L		0.025	5	03/24/13 07:10	03/28/13 19:06	7439-95-4	
Manganese	0.29 mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:06	7439-96-5	
Nickel	0.0050 mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:06	7440-02-0	
Potassium	55.4 mg/L		0.10	5	03/24/13 07:10	03/28/13 19:06	7440-09-7	
Selenium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:06	7782-49-2	D3
Silver	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:06	7440-22-4	D3
Sodium	1130 mg/L		5.0	100	03/24/13 07:10	03/29/13 11:08	7440-23-5	
Thallium	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 19:06	7440-28-0	D3
Vanadium	0.0021 mg/L		0.00050	5	03/24/13 07:10	03/28/13 19:06	7440-62-2	D3
Zinc	ND mg/L		0.025	5	03/24/13 07:10	03/28/13 19:06	7440-66-6	D3
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND mg/L		0.00020	1	03/24/13 07:28	03/25/13 11:36	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	83-32-9	
Acenaphthylene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	208-96-8	
Anthracene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	120-12-7	
Azobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	103-33-3	N2
Benzo(a)anthracene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	56-55-3	
Benzo(a)pyrene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	50-32-8	
Benzo(b)fluoranthene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	191-24-2	
Benzo(k)fluoranthene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	207-08-9	
Benzoic acid	ND ug/L		109	1	03/26/13 08:30	03/27/13 16:45	65-85-0	
Benzyl alcohol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	100-51-6	
4-Bromophenylphenyl ether	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	101-55-3	
Butylbenzylphthalate	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	85-68-7	

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ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-17 (-31)	Lab ID: 3090074009	Collected: 03/21/13 13:30	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic								
Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Carbazole	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	86-74-8	
4-Chloro-3-methylphenol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	59-50-7	
4-Chloroaniline	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	111-91-1	
bis(2-Chloroethyl) ether	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	108-60-1	
2-Chloronaphthalene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	91-58-7	
2-Chlorophenol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	95-57-8	
4-Chlorophenylphenyl ether	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	7005-72-3	
Chrysene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	53-70-3	
Dibenzofuran	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	132-64-9	
1,2-Dichlorobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	106-46-7	
3,3'-Dichlorobenzidine	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	91-94-1	
2,4-Dichlorophenol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	120-83-2	
Diethylphthalate	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	84-66-2	
2,4-Dimethylphenol	3.0 ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	105-67-9	
Dimethylphthalate	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	131-11-3	
Di-n-butylphthalate	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/L		2.7	1	03/26/13 08:30	03/27/13 16:45	534-52-1	
2,4-Dinitrophenol	ND ug/L		2.7	1	03/26/13 08:30	03/27/13 16:45	51-28-5	
2,4-Dinitrotoluene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	121-14-2	
2,6-Dinitrotoluene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	606-20-2	
Di-n-octylphthalate	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	117-81-7	
Fluoranthene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	206-44-0	
Fluorene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	86-73-7	
Hexachloro-1,3-butadiene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	87-68-3	
Hexachlorobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	118-74-1	
Hexachlorocyclopentadiene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	77-47-4	
Hexachloroethane	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	193-39-5	
Isophorone	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	78-59-1	
1-Methylnaphthalene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	90-12-0	N2
2-Methylnaphthalene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/L		2.2	1	03/26/13 08:30	03/27/13 16:45		
Naphthalene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	91-20-3	
2-Nitroaniline	ND ug/L		2.7	1	03/26/13 08:30	03/27/13 16:45	88-74-4	
3-Nitroaniline	ND ug/L		2.7	1	03/26/13 08:30	03/27/13 16:45	99-09-2	
4-Nitroaniline	ND ug/L		2.7	1	03/26/13 08:30	03/27/13 16:45	100-01-6	
Nitrobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	98-95-3	
2-Nitrophenol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	88-75-5	
4-Nitrophenol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	100-02-7	
N-Nitrosodimethylamine	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	62-75-9	

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ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-17 (-31)	Lab ID: 3090074009	Collected: 03/21/13 13:30	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic								
Analytical Method: EPA 8270 Preparation Method: EPA 3510								
N-Nitroso-di-n-propylamine	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	621-64-7	
N-Nitrosodiphenylamine	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	86-30-6	
Pentachlorophenol	ND ug/L		2.7	1	03/26/13 08:30	03/27/13 16:45	87-86-5	
Phenanthrene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	85-01-8	
Phenol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	108-95-2	
Pyrene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	129-00-0	
1,2,4-Trichlorobenzene	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	120-82-1	
2,4,5-Trichlorophenol	ND ug/L		2.7	1	03/26/13 08:30	03/27/13 16:45	95-95-4	
2,4,6-Trichlorophenol	ND ug/L		1.1	1	03/26/13 08:30	03/27/13 16:45	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	44 %		35-114	1	03/26/13 08:30	03/27/13 16:45	4165-60-0	
2-Fluorobiphenyl (S)	54 %		43-116	1	03/26/13 08:30	03/27/13 16:45	321-60-8	
Terphenyl-d14 (S)	78 %		33-141	1	03/26/13 08:30	03/27/13 16:45	1718-51-0	
Phenol-d6 (S)	19 %		10-110	1	03/26/13 08:30	03/27/13 16:45	13127-88-3	
2-Fluorophenol (S)	26 %		21-110	1	03/26/13 08:30	03/27/13 16:45	367-12-4	
2,4,6-Tribromophenol (S)	66 %		10-123	1	03/26/13 08:30	03/27/13 16:45	118-79-6	
8260 MSV								
Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/28/13 11:53	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/28/13 11:53	71-55-6	
1,1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/28/13 11:53	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/28/13 11:53	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/28/13 11:53	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/28/13 11:53	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/28/13 11:53	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/28/13 11:53	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/28/13 11:53	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/28/13 11:53	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/28/13 11:53	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/28/13 11:53	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/28/13 11:53	106-46-7	
2-Butanone (MEK)	ND ug/L		5.0	1		03/28/13 11:53	78-93-3	
2-Hexanone	ND ug/L		5.0	1		03/28/13 11:53	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		03/28/13 11:53	108-10-1	
Acetone	ND ug/L		5.0	1		03/28/13 11:53	67-64-1	
Acrylonitrile	ND ug/L		2.0	1		03/28/13 11:53	107-13-1	
Benzene	48.6 ug/L		1.0	1		03/28/13 11:53	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		03/28/13 11:53	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		03/28/13 11:53	75-27-4	
Bromoform	ND ug/L		1.0	1		03/28/13 11:53	75-25-2	
Bromomethane	ND ug/L		1.0	1		03/28/13 11:53	74-83-9	
Carbon disulfide	ND ug/L		1.0	1		03/28/13 11:53	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		03/28/13 11:53	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		03/28/13 11:53	108-90-7	
Chloroethane	ND ug/L		1.0	1		03/28/13 11:53	75-00-3	
Chloroform	ND ug/L		1.0	1		03/28/13 11:53	67-66-3	
Chloromethane	ND ug/L		1.0	1		03/28/13 11:53	74-87-3	

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ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-17 (-31)	Lab ID: 3090074009	Collected: 03/21/13 13:30	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Dibromochloromethane	ND ug/L		1.0	1		03/28/13 11:53	124-48-1	
Dibromomethane	ND ug/L		1.0	1		03/28/13 11:53	74-95-3	
Ethylbenzene	ND ug/L		1.0	1		03/28/13 11:53	100-41-4	
Iodomethane	ND ug/L		1.0	1		03/28/13 11:53	74-88-4	
Methyl-tert-butyl ether	ND ug/L		1.0	1		03/28/13 11:53	1634-04-4	
Methylene Chloride	ND ug/L		1.0	1		03/28/13 11:53	75-09-2	
Styrene	ND ug/L		1.0	1		03/28/13 11:53	100-42-5	
Tetrachloroethene	ND ug/L		1.0	1		03/28/13 11:53	127-18-4	
Toluene	ND ug/L		1.0	1		03/28/13 11:53	108-88-3	
Trichloroethene	ND ug/L		1.0	1		03/28/13 11:53	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		03/28/13 11:53	75-69-4	
Vinyl acetate	ND ug/L		1.0	1		03/28/13 11:53	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		03/28/13 11:53	75-01-4	
Xylene (Total)	20.4 ug/L		1.0	1		03/28/13 11:53	1330-20-7	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		03/28/13 11:53	156-59-2	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		03/28/13 11:53	10061-01-5	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		03/28/13 11:53	156-60-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		03/28/13 11:53	10061-02-6	
trans-1,4-Dichloro-2-butene	ND ug/L		1.0	1		03/28/13 11:53	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	97 %		85-115	1		03/28/13 11:53	460-00-4	
1,2-Dichloroethane-d4 (S)	103 %		77-119	1		03/28/13 11:53	17060-07-0	
Toluene-d8 (S)	99 %		85-115	1		03/28/13 11:53	2037-26-5	
180.1 Turbidity	Analytical Method: EPA 180.1							
Turbidity	81.5 NTU		0.50	5		03/22/13 18:39		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total as CaCO3	414 mg/L		10.0	1		03/28/13 13:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	4030 mg/L		10.0	1		03/25/13 14:50		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	8.0 Std. Units		0.10	1		03/22/13 17:16		H6
9050 Specific Conductance	Analytical Method: EPA 9050							
Specific Conductance	7530 umhos/cm		1.0	1		03/29/13 13:30		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	46.3 mg/L		1.0	10		03/28/13 09:59	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	310 mg/L		10.0	1		03/28/13 11:30		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-17 (-31)		Lab ID: 3090074009	Collected: 03/21/13 13:30	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	2500	mg/L	150	50		03/26/13 15:09	16887-00-6	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	304	mg/L	3.8	10		03/28/13 12:37	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	0.037	mg/L	0.010	1		03/22/13 20:49	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	ND	mg/L	0.060	1		03/28/13 07:36	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-17 (-1)	Lab ID: 3090074010	Collected: 03/21/13 13:30	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)	Analytical Method: SM 2340B							
Total Hardness	556 mg/L		2.1	1		03/27/13 10:05		
	Analytical Method: EPA 6010B Preparation Method: EPA 3005							
Calcium	220000 ug/L		1000	1	03/25/13 14:21	03/27/13 10:05	7440-70-2	
Magnesium	1580 ug/L		200	1	03/25/13 14:21	03/27/13 10:05	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:14	7440-36-0	D3
Arsenic	0.016 mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:14	7440-38-2	
Barium	0.010 mg/L		0.0015	5	03/24/13 07:10	03/28/13 19:14	7440-39-3	
Beryllium	ND mg/L		0.0010	5	03/24/13 07:10	03/28/13 19:14	7440-41-7	D3
Cadmium	ND mg/L		0.00040	5	03/24/13 07:10	03/28/13 19:14	7440-43-9	D3
Calcium	228 mg/L		0.50	25	03/24/13 07:10	03/28/13 19:19	7440-70-2	
Chromium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:14	7440-47-3	D3
Cobalt	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:14	7440-48-4	D3
Copper	0.011 mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:14	7440-50-8	
Iron	0.65 mg/L		0.25	5	03/24/13 07:10	03/28/13 19:14	7439-89-6	
Lead	0.010 mg/L		0.00050	5	03/24/13 07:10	03/28/13 19:14	7439-92-1	
Magnesium	1.7 mg/L		0.025	5	03/24/13 07:10	03/28/13 19:14	7439-95-4	
Manganese	0.031 mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:14	7439-96-5	
Nickel	0.032 mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:14	7440-02-0	
Potassium	191 mg/L		0.50	25	03/24/13 07:10	03/28/13 19:19	7440-09-7	
Selenium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:14	7782-49-2	D3
Silver	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:14	7440-22-4	D3
Sodium	233 mg/L		1.2	25	03/24/13 07:10	03/28/13 19:19	7440-23-5	
Thallium	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 19:14	7440-28-0	D3
Vanadium	0.039 mg/L		0.00050	5	03/24/13 07:10	03/28/13 19:14	7440-62-2	
Zinc	0.029 mg/L		0.025	5	03/24/13 07:10	03/28/13 19:14	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND mg/L		0.00020	1	03/24/13 07:28	03/25/13 11:38	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	83-32-9	
Acenaphthylene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	208-96-8	
Anthracene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	120-12-7	
Azobenzene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	103-33-3	N2
Benzo(a)anthracene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	56-55-3	
Benzo(a)pyrene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	50-32-8	
Benzo(b)fluoranthene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	191-24-2	
Benzo(k)fluoranthene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	207-08-9	
Benzoic acid	ND ug/L		1090	10	03/26/13 08:30	03/27/13 17:30	65-85-0	
Benzyl alcohol	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	100-51-6	
4-Bromophenylphenyl ether	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	101-55-3	
Butylbenzylphthalate	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	85-68-7	

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ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-17 (-1)	Lab ID: 3090074010	Collected: 03/21/13 13:30	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Carbazole	ND	ug/L	10.9	10	03/26/13 08:30	03/27/13 17:30	86-74-8	
4-Chloro-3-methylphenol	ND	ug/L	10.9	10	03/26/13 08:30	03/27/13 17:30	59-50-7	
4-Chloroaniline	ND	ug/L	10.9	10	03/26/13 08:30	03/27/13 17:30	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.9	10	03/26/13 08:30	03/27/13 17:30	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.9	10	03/26/13 08:30	03/27/13 17:30	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.9	10	03/26/13 08:30	03/27/13 17:30	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.9	10	03/26/13 08:30	03/27/13 17:30	91-58-7	
2-Chlorophenol	ND	ug/L	10.9	10	03/26/13 08:30	03/27/13 17:30	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.9	10	03/26/13 08:30	03/27/13 17:30	7005-72-3	
Chrysene	ND	ug/L	10.9	10	03/26/13 08:30	03/27/13 17:30	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.9	10	03/26/13 08:30	03/27/13 17:30	53-70-3	
Dibenzofuran	ND	ug/L	10.9	10	03/26/13 08:30	03/27/13 17:30	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	10.9	10	03/26/13 08:30	03/27/13 17:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.9	10	03/26/13 08:30	03/27/13 17:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.9	10	03/26/13 08:30	03/27/13 17:30	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	10.9	10	03/26/13 08:30	03/27/13 17:30	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.9	10	03/26/13 08:30	03/27/13 17:30	120-83-2	
Diethylphthalate	ND	ug/L	10.9	10	03/26/13 08:30	03/27/13 17:30	84-66-2	
2,4-Dimethylphenol	360	ug/L	21.7	20	03/26/13 08:30	03/28/13 19:56	105-67-9	
Dimethylphthalate	ND	ug/L	10.9	10	03/26/13 08:30	03/27/13 17:30	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.9	10	03/26/13 08:30	03/27/13 17:30	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	27.2	10	03/26/13 08:30	03/27/13 17:30	534-52-1	
2,4-Dinitrophenol	ND	ug/L	27.2	10	03/26/13 08:30	03/27/13 17:30	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.9	10	03/26/13 08:30	03/27/13 17:30	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.9	10	03/26/13 08:30	03/27/13 17:30	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.9	10	03/26/13 08:30	03/27/13 17:30	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.9	10	03/26/13 08:30	03/27/13 17:30	117-81-7	
Fluoranthene	ND	ug/L	10.9	10	03/26/13 08:30	03/27/13 17:30	206-44-0	
Fluorene	ND	ug/L	10.9	10	03/26/13 08:30	03/27/13 17:30	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.9	10	03/26/13 08:30	03/27/13 17:30	87-68-3	
Hexachlorobenzene	ND	ug/L	10.9	10	03/26/13 08:30	03/27/13 17:30	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.9	10	03/26/13 08:30	03/27/13 17:30	77-47-4	
Hexachloroethane	ND	ug/L	10.9	10	03/26/13 08:30	03/27/13 17:30	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.9	10	03/26/13 08:30	03/27/13 17:30	193-39-5	
Isophorone	ND	ug/L	10.9	10	03/26/13 08:30	03/27/13 17:30	78-59-1	
1-Methylnaphthalene	ND	ug/L	10.9	10	03/26/13 08:30	03/27/13 17:30	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	10.9	10	03/26/13 08:30	03/27/13 17:30	91-57-6	
2-Methylphenol(o-Cresol)	17.7	ug/L	10.9	10	03/26/13 08:30	03/27/13 17:30	95-48-7	
3&4-Methylphenol(m&p Cresol)	244	ug/L	21.7	10	03/26/13 08:30	03/27/13 17:30		
Naphthalene	32.2	ug/L	10.9	10	03/26/13 08:30	03/27/13 17:30	91-20-3	
2-Nitroaniline	ND	ug/L	27.2	10	03/26/13 08:30	03/27/13 17:30	88-74-4	
3-Nitroaniline	ND	ug/L	27.2	10	03/26/13 08:30	03/27/13 17:30	99-09-2	
4-Nitroaniline	ND	ug/L	27.2	10	03/26/13 08:30	03/27/13 17:30	100-01-6	
Nitrobenzene	ND	ug/L	10.9	10	03/26/13 08:30	03/27/13 17:30	98-95-3	
2-Nitrophenol	ND	ug/L	10.9	10	03/26/13 08:30	03/27/13 17:30	88-75-5	
4-Nitrophenol	ND	ug/L	10.9	10	03/26/13 08:30	03/27/13 17:30	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	10.9	10	03/26/13 08:30	03/27/13 17:30	62-75-9	

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ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-17 (-1)		Lab ID: 3090074010	Collected: 03/21/13 13:30	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510						
N-Nitroso-di-n-propylamine	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	621-64-7	
N-Nitrosodiphenylamine	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	86-30-6	
Pentachlorophenol	ND ug/L		27.2	10	03/26/13 08:30	03/27/13 17:30	87-86-5	
Phenanthrene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	85-01-8	
Phenol	119 ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	108-95-2	D3
Pyrene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	129-00-0	
1,2,4-Trichlorobenzene	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	120-82-1	
2,4,5-Trichlorophenol	ND ug/L		27.2	10	03/26/13 08:30	03/27/13 17:30	95-95-4	
2,4,6-Trichlorophenol	ND ug/L		10.9	10	03/26/13 08:30	03/27/13 17:30	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	170 %		35-114	10	03/26/13 08:30	03/27/13 17:30	4165-60-0	S4
2-Fluorobiphenyl (S)	67 %		43-116	10	03/26/13 08:30	03/27/13 17:30	321-60-8	
Terphenyl-d14 (S)	84 %		33-141	10	03/26/13 08:30	03/27/13 17:30	1718-51-0	
Phenol-d6 (S)	30 %		10-110	10	03/26/13 08:30	03/27/13 17:30	13127-88-3	
2-Fluorophenol (S)	27 %		21-110	10	03/26/13 08:30	03/27/13 17:30	367-12-4	
2,4,6-Tribromophenol (S)	79 %		10-123	10	03/26/13 08:30	03/27/13 17:30	118-79-6	
8260 MSV		Analytical Method: EPA 8260						
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/28/13 12:46	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/28/13 12:46	71-55-6	
1,1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/28/13 12:46	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/28/13 12:46	79-00-5	
1,1-Dichloroethane	7.2 ug/L		1.0	1		03/28/13 12:46	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/28/13 12:46	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/28/13 12:46	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/28/13 12:46	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/28/13 12:46	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/28/13 12:46	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/28/13 12:46	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/28/13 12:46	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/28/13 12:46	106-46-7	
2-Butanone (MEK)	ND ug/L		5.0	1		03/28/13 12:46	78-93-3	
2-Hexanone	ND ug/L		5.0	1		03/28/13 12:46	591-78-6	
4-Methyl-2-pentanone (MIBK)	42.8 ug/L		5.0	1		03/28/13 12:46	108-10-1	
Acetone	9.0 ug/L		5.0	1		03/28/13 12:46	67-64-1	
Acrylonitrile	ND ug/L		2.0	1		03/28/13 12:46	107-13-1	
Benzene	8280 ug/L		100	100		03/28/13 16:18	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		03/28/13 12:46	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		03/28/13 12:46	75-27-4	
Bromoform	ND ug/L		1.0	1		03/28/13 12:46	75-25-2	
Bromomethane	ND ug/L		1.0	1		03/28/13 12:46	74-83-9	
Carbon disulfide	ND ug/L		1.0	1		03/28/13 12:46	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		03/28/13 12:46	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		03/28/13 12:46	108-90-7	
Chloroethane	ND ug/L		1.0	1		03/28/13 12:46	75-00-3	
Chloroform	ND ug/L		1.0	1		03/28/13 12:46	67-66-3	
Chloromethane	ND ug/L		1.0	1		03/28/13 12:46	74-87-3	

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ANALYTICAL RESULTS

Project: Grey's Landfill
Pace Project No.: 3090074

Sample: GL-17 (-1)		Lab ID: 3090074010	Collected: 03/21/13 13:30	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Dibromochloromethane	ND	ug/L	1.0	1		03/28/13 12:46	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/28/13 12:46	74-95-3	
Ethylbenzene	2.1	ug/L	1.0	1		03/28/13 12:46	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/28/13 12:46	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/28/13 12:46	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/28/13 12:46	75-09-2	
Styrene	ND	ug/L	1.0	1		03/28/13 12:46	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/28/13 12:46	127-18-4	
Toluene	6.0	ug/L	1.0	1		03/28/13 12:46	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/28/13 12:46	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/28/13 12:46	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/28/13 12:46	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/28/13 12:46	75-01-4	
Xylene (Total)	9.8	ug/L	1.0	1		03/28/13 12:46	1330-20-7	
cis-1,2-Dichloroethene	1.2	ug/L	1.0	1		03/28/13 12:46	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/13 12:46	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/13 12:46	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/13 12:46	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/28/13 12:46	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	103	%	85-115	1		03/28/13 12:46	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	77-119	1		03/28/13 12:46	17060-07-0	
Toluene-d8 (S)	101	%	85-115	1		03/28/13 12:46	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	43.7	NTU	0.50	5		03/22/13 18:39		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	204	mg/L	10.0	1		03/28/13 13:30		
2540C Total Dissolved Solids		Analytical Method: SM 2540C						
Total Dissolved Solids	1950	mg/L	10.0	1		03/25/13 14:50		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	10.0	Std. Units	0.10	1		03/22/13 17:16		H6
9050 Specific Conductance		Analytical Method: EPA 9050						
Specific Conductance	3010	umhos/cm	1.0	1		03/29/13 13:30		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	161	mg/L	5.0	50		03/28/13 09:59	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	460	mg/L	10.0	1		03/28/13 11:30		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-17 (-1)		Lab ID: 3090074010	Collected: 03/21/13 13:30	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	121	mg/L	60.0	20		03/26/13 15:09	16887-00-6	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	970	mg/L	19.0	50		03/28/13 13:08	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	0.031	mg/L	0.010	1		03/22/13 20:50	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	ND	mg/L	0.060	1		03/28/13 07:36	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-02 (-29)	Lab ID: 3090074011	Collected: 03/21/13 14:28	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)								
Analytical Method: SM 2340B								
Total Hardness	457 mg/L		2.1	1		03/27/13 10:08		
Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Calcium	46000 ug/L		1000	1	03/25/13 14:21	03/27/13 10:08	7440-70-2	
Magnesium	83200 ug/L		200	1	03/25/13 14:21	03/27/13 10:08	7439-95-4	
6020 MET ICPMS								
Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Antimony	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:46	7440-36-0	D3
Arsenic	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:46	7440-38-2	D3
Barium	0.097 mg/L		0.0015	5	03/24/13 07:10	03/28/13 19:46	7440-39-3	
Beryllium	0.0020 mg/L		0.0010	5	03/24/13 07:10	03/28/13 19:46	7440-41-7	D3
Cadmium	ND mg/L		0.00040	5	03/24/13 07:10	03/28/13 19:46	7440-43-9	D3
Calcium	48.0 mg/L		0.10	5	03/24/13 07:10	03/28/13 19:46	7440-70-2	
Chromium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:46	7440-47-3	D3
Cobalt	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:46	7440-48-4	D3
Copper	0.0042 mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:46	7440-50-8	
Iron	85.1 mg/L		2.5	50	03/24/13 07:10	03/28/13 19:50	7439-89-6	
Lead	0.00056 mg/L		0.00050	5	03/24/13 07:10	03/28/13 19:46	7439-92-1	
Magnesium	82.6 mg/L		0.025	5	03/24/13 07:10	03/28/13 19:46	7439-95-4	
Manganese	3.0 mg/L		0.025	50	03/24/13 07:10	03/28/13 19:50	7439-96-5	
Nickel	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:46	7440-02-0	D3
Potassium	15.2 mg/L		0.10	5	03/24/13 07:10	03/28/13 19:46	7440-09-7	
Selenium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:46	7782-49-2	D3
Silver	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:46	7440-22-4	D3
Sodium	370 mg/L		2.5	50	03/24/13 07:10	03/28/13 19:50	7440-23-5	
Thallium	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 19:46	7440-28-0	D3
Vanadium	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 19:46	7440-62-2	D3
Zinc	0.032 mg/L		0.025	5	03/24/13 07:10	03/28/13 19:46	7440-66-6	
7470 Mercury								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND mg/L		0.00020	1	03/24/13 07:28	03/25/13 11:40	7439-97-6	
8260 MSV								
Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/28/13 13:39	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/28/13 13:39	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/28/13 13:39	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/28/13 13:39	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/28/13 13:39	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/28/13 13:39	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/28/13 13:39	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/28/13 13:39	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/28/13 13:39	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/28/13 13:39	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/28/13 13:39	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/28/13 13:39	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/28/13 13:39	106-46-7	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-02 (-29)		Lab ID: 3090074011	Collected: 03/21/13 14:28	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
2-Butanone (MEK)	ND	ug/L	5.0	1		03/28/13 13:39	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		03/28/13 13:39	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/28/13 13:39	108-10-1	
Acetone	ND	ug/L	5.0	1		03/28/13 13:39	67-64-1	
Acrylonitrile	ND	ug/L	2.0	1		03/28/13 13:39	107-13-1	
Benzene	ND	ug/L	1.0	1		03/28/13 13:39	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/28/13 13:39	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/28/13 13:39	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/28/13 13:39	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/28/13 13:39	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		03/28/13 13:39	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/28/13 13:39	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/28/13 13:39	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/28/13 13:39	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/28/13 13:39	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/28/13 13:39	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/28/13 13:39	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/28/13 13:39	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/28/13 13:39	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/28/13 13:39	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/28/13 13:39	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/28/13 13:39	75-09-2	
Styrene	ND	ug/L	1.0	1		03/28/13 13:39	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/28/13 13:39	127-18-4	
Toluene	ND	ug/L	1.0	1		03/28/13 13:39	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/28/13 13:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/28/13 13:39	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/28/13 13:39	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/28/13 13:39	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/28/13 13:39	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/13 13:39	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/13 13:39	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/13 13:39	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/13 13:39	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/28/13 13:39	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	106 %		85-115	1		03/28/13 13:39	460-00-4	
1,2-Dichloroethane-d4 (S)	108 %		77-119	1		03/28/13 13:39	17060-07-0	
Toluene-d8 (S)	100 %		85-115	1		03/28/13 13:39	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	87.0	NTU	0.50	5		03/22/13 18:39		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	70.0	mg/L	10.0	1		03/28/13 13:30		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-02 (-29)		Lab ID: 3090074011	Collected: 03/21/13 14:28	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	2730	mg/L	10.0	1		03/25/13 14:50		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	6.1	Std. Units	0.10	1		03/22/13 17:16		H6
9050 Specific Conductance	Analytical Method: EPA 9050							
Specific Conductance	5450	umhos/cm	1.0	1		03/29/13 13:30		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	2.9	mg/L	0.10	1		03/28/13 09:59	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	112	mg/L	10.0	1		03/28/13 11:30		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	1850	mg/L	150	50		03/26/13 15:15	16887-00-6	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	135	mg/L	1.9	5		03/28/13 13:10	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	0.022	mg/L	0.010	1		03/22/13 20:50	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	ND	mg/L	0.060	1		03/28/13 07:36	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-02 (-5)	Lab ID: 3090074012	Collected: 03/21/13 14:37	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/28/13 14:05	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/28/13 14:05	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/28/13 14:05	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/28/13 14:05	79-00-5	
1,1-Dichloroethane	11.1	ug/L	1.0	1		03/28/13 14:05	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		03/28/13 14:05	75-35-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/28/13 14:05	96-18-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		03/28/13 14:05	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/28/13 14:05	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/28/13 14:05	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/28/13 14:05	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/28/13 14:05	78-87-5	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/28/13 14:05	106-46-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/28/13 14:05	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		03/28/13 14:05	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/28/13 14:05	108-10-1	
Acetone	5.2	ug/L	5.0	1		03/28/13 14:05	67-64-1	
Acrylonitrile	ND	ug/L	2.0	1		03/28/13 14:05	107-13-1	
Benzene	9.9	ug/L	1.0	1		03/28/13 14:05	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/28/13 14:05	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/28/13 14:05	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/28/13 14:05	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/28/13 14:05	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		03/28/13 14:05	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/28/13 14:05	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/28/13 14:05	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/28/13 14:05	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/28/13 14:05	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/28/13 14:05	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/28/13 14:05	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/28/13 14:05	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/28/13 14:05	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/28/13 14:05	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/28/13 14:05	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/28/13 14:05	75-09-2	
Styrene	ND	ug/L	1.0	1		03/28/13 14:05	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/28/13 14:05	127-18-4	
Toluene	ND	ug/L	1.0	1		03/28/13 14:05	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/28/13 14:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/28/13 14:05	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/28/13 14:05	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/28/13 14:05	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/28/13 14:05	1330-20-7	
cis-1,2-Dichloroethene	3.2	ug/L	1.0	1		03/28/13 14:05	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/13 14:05	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/13 14:05	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/13 14:05	10061-02-6	

Date: 05/29/2013 09:36 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-02 (-5)		Lab ID: 3090074012	Collected: 03/21/13 14:37	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/28/13 14:05	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	102 %		85-115	1		03/28/13 14:05	460-00-4	
1,2-Dichloroethane-d4 (S)	106 %		77-119	1		03/28/13 14:05	17060-07-0	
Toluene-d8 (S)	102 %		85-115	1		03/28/13 14:05	2037-26-5	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-16 (-6)	Lab ID: 3090074013	Collected: 03/21/13 15:23	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)								
Analytical Method: SM 2340B								
Total Hardness	388 mg/L		2.1	1		03/27/13 10:21		
Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Calcium	22500 ug/L		1000	1	03/25/13 14:21	03/27/13 10:21	7440-70-2	
Magnesium	80700 ug/L		200	1	03/25/13 14:21	03/27/13 10:21	7439-95-4	
6020 MET ICPMS								
Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Antimony	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:55	7440-36-0	D3
Arsenic	0.0046 mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:55	7440-38-2	
Barium	0.019 mg/L		0.0015	5	03/24/13 07:10	03/28/13 19:55	7440-39-3	
Beryllium	0.0058 mg/L		0.0010	5	03/24/13 07:10	03/28/13 19:55	7440-41-7	
Cadmium	0.0017 mg/L		0.00040	5	03/24/13 07:10	03/28/13 19:55	7440-43-9	
Calcium	23.9 mg/L		0.10	5	03/24/13 07:10	03/28/13 19:55	7440-70-2	
Chromium	0.0027 mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:55	7440-47-3	
Cobalt	0.27 mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:55	7440-48-4	
Copper	0.020 mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:55	7440-50-8	
Iron	17.7 mg/L		0.25	5	03/24/13 07:10	03/28/13 19:55	7439-89-6	
Lead	0.0048 mg/L		0.00050	5	03/24/13 07:10	03/28/13 19:55	7439-92-1	
Magnesium	82.8 mg/L		0.025	5	03/24/13 07:10	03/28/13 19:55	7439-95-4	
Manganese	0.68 mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:55	7439-96-5	
Nickel	0.40 mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:55	7440-02-0	
Potassium	1.1 mg/L		0.10	5	03/24/13 07:10	03/28/13 19:55	7440-09-7	
Selenium	0.0068 mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:55	7782-49-2	
Silver	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 19:55	7440-22-4	D3
Sodium	126 mg/L		1.2	25	03/24/13 07:10	03/28/13 19:59	7440-23-5	
Thallium	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 19:55	7440-28-0	D3
Vanadium	0.0039 mg/L		0.00050	5	03/24/13 07:10	03/28/13 19:55	7440-62-2	
Zinc	0.75 mg/L		0.025	5	03/24/13 07:10	03/28/13 19:55	7440-66-6	
7470 Mercury								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND mg/L		0.00020	1	03/24/13 07:28	03/25/13 11:43	7439-97-6	
8260 MSV								
Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/28/13 14:32	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/28/13 14:32	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/28/13 14:32	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/28/13 14:32	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/28/13 14:32	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/28/13 14:32	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/28/13 14:32	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/28/13 14:32	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/28/13 14:32	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/28/13 14:32	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/28/13 14:32	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/28/13 14:32	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/28/13 14:32	106-46-7	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-16 (-6)		Lab ID: 3090074013	Collected: 03/21/13 15:23	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
2-Butanone (MEK)	ND	ug/L	5.0	1		03/28/13 14:32	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		03/28/13 14:32	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/28/13 14:32	108-10-1	
Acetone	ND	ug/L	5.0	1		03/28/13 14:32	67-64-1	
Acrylonitrile	ND	ug/L	2.0	1		03/28/13 14:32	107-13-1	
Benzene	ND	ug/L	1.0	1		03/28/13 14:32	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/28/13 14:32	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/28/13 14:32	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/28/13 14:32	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/28/13 14:32	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		03/28/13 14:32	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/28/13 14:32	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/28/13 14:32	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/28/13 14:32	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/28/13 14:32	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/28/13 14:32	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/28/13 14:32	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/28/13 14:32	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/28/13 14:32	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/28/13 14:32	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/28/13 14:32	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/28/13 14:32	75-09-2	
Styrene	ND	ug/L	1.0	1		03/28/13 14:32	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/28/13 14:32	127-18-4	
Toluene	ND	ug/L	1.0	1		03/28/13 14:32	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/28/13 14:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/28/13 14:32	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/28/13 14:32	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/28/13 14:32	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/28/13 14:32	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/13 14:32	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/13 14:32	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/13 14:32	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/13 14:32	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/28/13 14:32	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	97 %		85-115	1		03/28/13 14:32	460-00-4	
1,2-Dichloroethane-d4 (S)	106 %		77-119	1		03/28/13 14:32	17060-07-0	
Toluene-d8 (S)	100 %		85-115	1		03/28/13 14:32	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	9.5	NTU	0.10	1		03/22/13 18:39		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	ND	mg/L	1.0	1		03/28/13 13:30		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-16 (-6)	Lab ID: 3090074013	Collected: 03/21/13 15:23	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	1010	mg/L	10.0	1		03/25/13 14:50		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	4.2	Std. Units	0.10	1		03/22/13 17:16		H6
9050 Specific Conductance	Analytical Method: EPA 9050							
Specific Conductance	1550	umhos/cm	1.0	1		03/29/13 13:30		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		03/28/13 09:59	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	63.8	mg/L	10.0	1		03/28/13 11:30		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	178	mg/L	60.0	20		03/26/13 15:15	16887-00-6	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	474	mg/L	3.8	10		03/28/13 12:41	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	ND	mg/L	0.010	1		03/22/13 20:50	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	ND	mg/L	0.060	1		03/28/13 07:36	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-16 (-32)	Lab ID: 3090074014	Collected: 03/21/13 15:32	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)								
Analytical Method: SM 2340B								
Total Hardness	1270	mg/L	2.1	1		03/27/13 10:24		
Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Calcium	139000	ug/L	1000	1	03/25/13 14:21	03/27/13 10:24	7440-70-2	
Magnesium	225000	ug/L	200	1	03/25/13 14:21	03/27/13 10:24	7439-95-4	
6020 MET ICPMS								
Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Antimony	ND	mg/L	0.0025	5	03/24/13 07:10	03/28/13 20:08	7440-36-0	D3
Arsenic	0.0075	mg/L	0.0025	5	03/24/13 07:10	03/28/13 20:08	7440-38-2	
Barium	0.22	mg/L	0.0015	5	03/24/13 07:10	03/28/13 20:08	7440-39-3	
Beryllium	ND	mg/L	0.0010	5	03/24/13 07:10	03/28/13 20:08	7440-41-7	D3
Cadmium	ND	mg/L	0.00040	5	03/24/13 07:10	03/28/13 20:08	7440-43-9	D3
Calcium	151	mg/L	2.0	100	03/24/13 07:10	03/28/13 20:12	7440-70-2	
Chromium	ND	mg/L	0.0025	5	03/24/13 07:10	03/28/13 20:08	7440-47-3	D3
Cobalt	ND	mg/L	0.0025	5	03/24/13 07:10	03/28/13 20:08	7440-48-4	D3
Copper	ND	mg/L	0.0025	5	03/24/13 07:10	03/28/13 20:08	7440-50-8	D3
Iron	16.2	mg/L	0.25	5	03/24/13 07:10	03/28/13 20:08	7439-89-6	
Lead	ND	mg/L	0.00050	5	03/24/13 07:10	03/28/13 20:08	7439-92-1	D3
Magnesium	228	mg/L	0.50	100	03/24/13 07:10	03/28/13 20:12	7439-95-4	
Manganese	0.40	mg/L	0.0025	5	03/24/13 07:10	03/28/13 20:08	7439-96-5	
Nickel	0.0047	mg/L	0.0025	5	03/24/13 07:10	03/28/13 20:08	7440-02-0	
Potassium	63.0	mg/L	0.10	5	03/24/13 07:10	03/28/13 20:08	7440-09-7	
Selenium	ND	mg/L	0.0025	5	03/24/13 07:10	03/28/13 20:08	7782-49-2	D3
Silver	ND	mg/L	0.0025	5	03/24/13 07:10	03/28/13 20:08	7440-22-4	D3
Sodium	2230	mg/L	5.0	100	03/24/13 07:10	03/28/13 20:12	7440-23-5	
Thallium	ND	mg/L	0.00050	5	03/24/13 07:10	03/28/13 20:08	7440-28-0	D3
Vanadium	ND	mg/L	0.00050	5	03/24/13 07:10	03/28/13 20:08	7440-62-2	D3
Zinc	ND	mg/L	0.025	5	03/24/13 07:10	03/28/13 20:08	7440-66-6	D3
7470 Mercury								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	mg/L	0.00020	1	03/24/13 07:28	03/25/13 11:50	7439-97-6	
8260 MSV								
Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/28/13 14:58	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/28/13 14:58	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/28/13 14:58	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/28/13 14:58	79-00-5	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/28/13 14:58	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		03/28/13 14:58	75-35-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/28/13 14:58	96-18-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		03/28/13 14:58	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/28/13 14:58	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/28/13 14:58	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/28/13 14:58	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/28/13 14:58	78-87-5	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/28/13 14:58	106-46-7	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-16 (-32)		Lab ID: 3090074014	Collected: 03/21/13 15:32	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
2-Butanone (MEK)	ND	ug/L	5.0	1		03/28/13 14:58	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		03/28/13 14:58	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/28/13 14:58	108-10-1	
Acetone	ND	ug/L	5.0	1		03/28/13 14:58	67-64-1	
Acrylonitrile	ND	ug/L	2.0	1		03/28/13 14:58	107-13-1	
Benzene	ND	ug/L	1.0	1		03/28/13 14:58	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/28/13 14:58	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/28/13 14:58	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/28/13 14:58	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/28/13 14:58	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		03/28/13 14:58	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/28/13 14:58	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/28/13 14:58	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/28/13 14:58	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/28/13 14:58	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/28/13 14:58	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/28/13 14:58	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/28/13 14:58	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/28/13 14:58	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/28/13 14:58	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/28/13 14:58	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/28/13 14:58	75-09-2	
Styrene	ND	ug/L	1.0	1		03/28/13 14:58	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/28/13 14:58	127-18-4	
Toluene	ND	ug/L	1.0	1		03/28/13 14:58	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/28/13 14:58	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/28/13 14:58	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/28/13 14:58	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/28/13 14:58	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/28/13 14:58	1330-20-7	
cis-1,2-Dichloroethene	6.2	ug/L	1.0	1		03/28/13 14:58	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/13 14:58	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/13 14:58	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/13 14:58	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/28/13 14:58	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	99 %		85-115	1		03/28/13 14:58	460-00-4	
1,2-Dichloroethane-d4 (S)	103 %		77-119	1		03/28/13 14:58	17060-07-0	
Toluene-d8 (S)	101 %		85-115	1		03/28/13 14:58	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	2.2	NTU	0.10	1		03/22/13 18:39		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	126	mg/L	10.0	1		03/28/13 13:30		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-16 (-32)	Lab ID: 3090074014	Collected: 03/21/13 15:32	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	7360	mg/L	10.0	1		03/25/13 14:50		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	6.5	Std. Units	0.10	1		03/22/13 17:16		H6
9050 Specific Conductance	Analytical Method: EPA 9050							
Specific Conductance	13600	umhos/cm	1.0	1		03/29/13 13:30		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	3.3	mg/L	0.10	1		03/28/13 09:59	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	181	mg/L	10.0	1		03/28/13 11:30		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	4690	mg/L	300	100		03/26/13 15:45	16887-00-6	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	496	mg/L	7.6	20		03/28/13 12:41	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	ND	mg/L	0.010	1		03/22/13 20:51	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	ND	mg/L	0.060	1		03/28/13 07:36	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Sample Project No.: 3090074

Sample: GL-05 (-25)	Lab ID: 3090074015	Collected: 03/21/13 16:08	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)								
Analytical Method: SM 2340B								
Total Hardness	324 mg/L		2.1	1		03/27/13 10:26		
Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Calcium	33700 ug/L		1000	1	03/25/13 14:21	03/27/13 10:26	7440-70-2	
Magnesium	58200 ug/L		200	1	03/25/13 14:21	03/27/13 10:26	7439-95-4	
6020 MET ICPMS								
Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Antimony	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 20:16	7440-36-0	D3
Arsenic	0.0094 mg/L		0.0025	5	03/24/13 07:10	03/28/13 20:16	7440-38-2	
Barium	0.10 mg/L		0.0015	5	03/24/13 07:10	03/28/13 20:16	7440-39-3	
Beryllium	ND mg/L		0.0010	5	03/24/13 07:10	03/28/13 20:16	7440-41-7	D3
Cadmium	ND mg/L		0.00040	5	03/24/13 07:10	03/28/13 20:16	7440-43-9	D3
Calcium	34.7 mg/L		0.10	5	03/24/13 07:10	03/28/13 20:16	7440-70-2	
Chromium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 20:16	7440-47-3	D3
Cobalt	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 20:16	7440-48-4	D3
Copper	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 20:16	7440-50-8	D3
Iron	244 mg/L		5.0	100	03/24/13 07:10	03/28/13 20:21	7439-89-6	
Lead	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 20:16	7439-92-1	D3
Magnesium	58.8 mg/L		0.025	5	03/24/13 07:10	03/28/13 20:16	7439-95-4	
Manganese	5.1 mg/L		0.050	100	03/24/13 07:10	03/28/13 20:21	7439-96-5	
Nickel	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 20:16	7440-02-0	D3
Potassium	7.1 mg/L		0.10	5	03/24/13 07:10	03/28/13 20:16	7440-09-7	
Selenium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 20:16	7782-49-2	D3
Silver	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 20:16	7440-22-4	D3
Sodium	467 mg/L		5.0	100	03/24/13 07:10	03/28/13 20:21	7440-23-5	
Thallium	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 20:16	7440-28-0	D3
Vanadium	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 20:16	7440-62-2	D3
Zinc	ND mg/L		0.025	5	03/24/13 07:10	03/28/13 20:16	7440-66-6	D3
7470 Mercury								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND mg/L		0.00020	1	03/24/13 07:28	03/25/13 11:53	7439-97-6	
8260 MSV								
Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/28/13 15:25	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/28/13 15:25	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/28/13 15:25	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/28/13 15:25	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/28/13 15:25	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/28/13 15:25	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/28/13 15:25	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/28/13 15:25	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/28/13 15:25	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/28/13 15:25	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/28/13 15:25	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/28/13 15:25	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/28/13 15:25	106-46-7	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-05 (-25)		Lab ID: 3090074015	Collected: 03/21/13 16:08	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
2-Butanone (MEK)	ND	ug/L	5.0	1		03/28/13 15:25	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		03/28/13 15:25	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/28/13 15:25	108-10-1	
Acetone	ND	ug/L	5.0	1		03/28/13 15:25	67-64-1	
Acrylonitrile	ND	ug/L	2.0	1		03/28/13 15:25	107-13-1	
Benzene	ND	ug/L	1.0	1		03/28/13 15:25	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/28/13 15:25	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/28/13 15:25	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/28/13 15:25	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/28/13 15:25	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		03/28/13 15:25	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/28/13 15:25	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/28/13 15:25	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/28/13 15:25	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/28/13 15:25	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/28/13 15:25	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/28/13 15:25	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/28/13 15:25	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/28/13 15:25	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/28/13 15:25	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/28/13 15:25	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/28/13 15:25	75-09-2	
Styrene	ND	ug/L	1.0	1		03/28/13 15:25	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/28/13 15:25	127-18-4	
Toluene	ND	ug/L	1.0	1		03/28/13 15:25	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/28/13 15:25	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/28/13 15:25	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/28/13 15:25	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/28/13 15:25	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/28/13 15:25	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/13 15:25	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/13 15:25	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/13 15:25	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/13 15:25	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/28/13 15:25	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	100 %		85-115	1		03/28/13 15:25	460-00-4	
1,2-Dichloroethane-d4 (S)	108 %		77-119	1		03/28/13 15:25	17060-07-0	
Toluene-d8 (S)	96 %		85-115	1		03/28/13 15:25	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	97.5	NTU	0.50	5		03/22/13 18:39		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	10.0	mg/L	10.0	1		03/28/13 13:30		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-05 (-25)		Lab ID: 3090074015	Collected: 03/21/13 16:08	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	2250	mg/L	10.0	1		03/25/13 14:50		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	6.0	Std. Units	0.10	1		03/22/13 17:16		H6
9050 Specific Conductance	Analytical Method: EPA 9050							
Specific Conductance	3820	umhos/cm	1.0	1		03/29/13 13:30		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	3.9	mg/L	0.10	1		03/28/13 09:59	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	264	mg/L	10.0	1		03/28/13 11:30		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	866	mg/L	150	50		03/26/13 15:17	16887-00-6	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	457	mg/L	7.6	20		03/28/13 12:42	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	0.026	mg/L	0.010	1		03/22/13 20:53	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	ND	mg/L	0.060	1		03/28/13 07:36	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-05 (-7)	Lab ID: 3090074016	Collected: 03/21/13 16:21	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)	Analytical Method: SM 2340B							
Total Hardness	388 mg/L		2.1	1		03/27/13 10:32		
	Analytical Method: EPA 6010B Preparation Method: EPA 3005							
Calcium	40200 ug/L		1000	1	03/25/13 14:21	03/27/13 10:32	7440-70-2	
Magnesium	69900 ug/L		200	1	03/25/13 14:21	03/27/13 10:32	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 20:25	7440-36-0	D3
Arsenic	0.0029 mg/L		0.0025	5	03/24/13 07:10	03/28/13 20:25	7440-38-2	
Barium	0.020 mg/L		0.0015	5	03/24/13 07:10	03/28/13 20:25	7440-39-3	
Beryllium	ND mg/L		0.0010	5	03/24/13 07:10	03/28/13 20:25	7440-41-7	D3
Cadmium	0.00068 mg/L		0.00040	5	03/24/13 07:10	03/28/13 20:25	7440-43-9	
Calcium	40.3 mg/L		0.10	5	03/24/13 07:10	03/28/13 20:25	7440-70-2	
Chromium	0.0026 mg/L		0.0025	5	03/24/13 07:10	03/28/13 20:25	7440-47-3	
Cobalt	0.19 mg/L		0.0025	5	03/24/13 07:10	03/28/13 20:25	7440-48-4	
Copper	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 20:25	7440-50-8	D3
Iron	69.8 mg/L		0.25	5	03/24/13 07:10	03/28/13 20:25	7439-89-6	
Lead	0.0014 mg/L		0.00050	5	03/24/13 07:10	03/28/13 20:25	7439-92-1	
Magnesium	68.0 mg/L		0.025	5	03/24/13 07:10	03/28/13 20:25	7439-95-4	
Manganese	1.5 mg/L		0.0025	5	03/24/13 07:10	03/28/13 20:25	7439-96-5	
Nickel	0.24 mg/L		0.0025	5	03/24/13 07:10	03/28/13 20:25	7440-02-0	
Potassium	1.3 mg/L		0.10	5	03/24/13 07:10	03/28/13 20:25	7440-09-7	
Selenium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 20:25	7782-49-2	D3
Silver	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 20:25	7440-22-4	D3
Sodium	111 mg/L		0.25	5	03/24/13 07:10	03/28/13 20:25	7440-23-5	
Thallium	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 20:25	7440-28-0	D3
Vanadium	0.0023 mg/L		0.00050	5	03/24/13 07:10	03/28/13 20:25	7440-62-2	
Zinc	0.21 mg/L		0.025	5	03/24/13 07:10	03/28/13 20:25	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND mg/L		0.00020	1	03/24/13 07:28	03/25/13 11:55	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/28/13 15:51	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/28/13 15:51	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/28/13 15:51	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/28/13 15:51	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/28/13 15:51	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/28/13 15:51	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/28/13 15:51	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/28/13 15:51	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/28/13 15:51	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/28/13 15:51	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/28/13 15:51	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/28/13 15:51	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/28/13 15:51	106-46-7	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-05 (-7)		Lab ID: 3090074016	Collected: 03/21/13 16:21	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
2-Butanone (MEK)	ND	ug/L	5.0	1		03/28/13 15:51	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		03/28/13 15:51	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/28/13 15:51	108-10-1	
Acetone	ND	ug/L	5.0	1		03/28/13 15:51	67-64-1	
Acrylonitrile	ND	ug/L	2.0	1		03/28/13 15:51	107-13-1	
Benzene	ND	ug/L	1.0	1		03/28/13 15:51	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/28/13 15:51	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/28/13 15:51	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/28/13 15:51	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/28/13 15:51	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		03/28/13 15:51	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/28/13 15:51	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/28/13 15:51	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/28/13 15:51	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/28/13 15:51	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/28/13 15:51	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/28/13 15:51	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/28/13 15:51	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/28/13 15:51	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/28/13 15:51	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/28/13 15:51	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/28/13 15:51	75-09-2	
Styrene	ND	ug/L	1.0	1		03/28/13 15:51	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/28/13 15:51	127-18-4	
Toluene	ND	ug/L	1.0	1		03/28/13 15:51	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/28/13 15:51	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/28/13 15:51	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/28/13 15:51	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/28/13 15:51	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/28/13 15:51	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/13 15:51	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/13 15:51	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/13 15:51	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/13 15:51	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/28/13 15:51	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	105 %		85-115	1		03/28/13 15:51	460-00-4	
1,2-Dichloroethane-d4 (S)	104 %		77-119	1		03/28/13 15:51	17060-07-0	
Toluene-d8 (S)	103 %		85-115	1		03/28/13 15:51	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	25.9	NTU	0.10	1		03/22/13 18:39		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	42.0	mg/L	10.0	1		03/28/13 13:30		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-05 (-7)		Lab ID: 3090074016	Collected: 03/21/13 16:21	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	1050	mg/L	10.0	1		03/25/13 14:50		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	5.5	Std. Units	0.10	1		03/22/13 17:16		H6
9050 Specific Conductance	Analytical Method: EPA 9050							
Specific Conductance	1530	umhos/cm	1.0	1		03/29/13 13:30		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	0.46	mg/L	0.10	1		03/28/13 09:59	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	46.4	mg/L	10.0	1		03/28/13 11:30		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	131	mg/L	60.0	20		03/26/13 15:17	16887-00-6	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	565	mg/L	7.6	20		03/28/13 12:43	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	0.022	mg/L	0.010	1		03/22/13 20:53	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	ND	mg/L	0.060	1		03/28/13 07:36	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-15 (-36)	Lab ID: 3090074017	Collected: 03/21/13 17:00	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)	Analytical Method: SM 2340B							
Total Hardness	1450	mg/L	2.1	1		03/27/13 10:35		
	Analytical Method: EPA 6010B Preparation Method: EPA 3005							
Calcium	32500	ug/L	1000	1	03/25/13 14:21	03/27/13 10:35	7440-70-2	
Magnesium	332000	ug/L	200	1	03/25/13 14:21	03/27/13 10:35	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020							
Antimony	ND	mg/L	0.0025	5	03/24/13 07:10	03/28/13 12:32	7440-36-0	D3
Arsenic	0.0051	mg/L	0.0025	5	03/24/13 07:10	03/28/13 12:32	7440-38-2	
Barium	0.021	mg/L	0.0015	5	03/24/13 07:10	03/28/13 12:32	7440-39-3	
Beryllium	ND	mg/L	0.0010	5	03/24/13 07:10	03/28/13 12:32	7440-41-7	D3
Cadmium	ND	mg/L	0.00040	5	03/24/13 07:10	03/28/13 12:32	7440-43-9	D3
Calcium	32.6	mg/L	0.10	5	03/24/13 07:10	03/28/13 12:32	7440-70-2	
Chromium	0.088	mg/L	0.0025	5	03/24/13 07:10	03/28/13 12:32	7440-47-3	
Cobalt	ND	mg/L	0.0025	5	03/24/13 07:10	03/28/13 12:32	7440-48-4	D3
Copper	0.0083	mg/L	0.0025	5	03/24/13 07:10	03/28/13 12:32	7440-50-8	
Iron	ND	mg/L	0.25	5	03/24/13 07:10	03/28/13 12:32	7439-89-6	D3
Lead	0.0025	mg/L	0.00050	5	03/24/13 07:10	03/28/13 12:32	7439-92-1	
Magnesium	315	mg/L	0.50	100	03/24/13 07:10	03/28/13 12:37	7439-95-4	
Manganese	0.0050	mg/L	0.0025	5	03/24/13 07:10	03/28/13 12:32	7439-96-5	
Nickel	0.0033	mg/L	0.0025	5	03/24/13 07:10	03/28/13 12:32	7440-02-0	
Potassium	95.0	mg/L	0.10	5	03/24/13 07:10	03/28/13 12:32	7440-09-7	
Selenium	0.029	mg/L	0.0025	5	03/24/13 07:10	03/28/13 12:32	7782-49-2	
Silver	ND	mg/L	0.0025	5	03/24/13 07:10	03/28/13 12:32	7440-22-4	D3
Sodium	32.4	mg/L	0.25	5	03/24/13 07:10	03/28/13 12:32	7440-23-5	
Thallium	ND	mg/L	0.00050	5	03/24/13 07:10	03/28/13 12:32	7440-28-0	D3
Vanadium	0.0024	mg/L	0.00050	5	03/24/13 07:10	03/28/13 12:32	7440-62-2	D3
Zinc	0.063	mg/L	0.025	5	03/24/13 07:10	03/28/13 12:32	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	mg/L	0.00020	1	03/24/13 07:28	03/25/13 11:58	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/28/13 16:44	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/28/13 16:44	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/28/13 16:44	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/28/13 16:44	79-00-5	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/28/13 16:44	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		03/28/13 16:44	75-35-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/28/13 16:44	96-18-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		03/28/13 16:44	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/28/13 16:44	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/28/13 16:44	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/28/13 16:44	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/28/13 16:44	78-87-5	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/28/13 16:44	106-46-7	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-15 (-36)		Lab ID: 3090074017	Collected: 03/21/13 17:00	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
2-Butanone (MEK)	ND	ug/L	5.0	1		03/28/13 16:44	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		03/28/13 16:44	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/28/13 16:44	108-10-1	
Acetone	ND	ug/L	5.0	1		03/28/13 16:44	67-64-1	
Acrylonitrile	ND	ug/L	2.0	1		03/28/13 16:44	107-13-1	
Benzene	ND	ug/L	1.0	1		03/28/13 16:44	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/28/13 16:44	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/28/13 16:44	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/28/13 16:44	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/28/13 16:44	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		03/28/13 16:44	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/28/13 16:44	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/28/13 16:44	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/28/13 16:44	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/28/13 16:44	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/28/13 16:44	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/28/13 16:44	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/28/13 16:44	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/28/13 16:44	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/28/13 16:44	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/28/13 16:44	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/28/13 16:44	75-09-2	
Styrene	ND	ug/L	1.0	1		03/28/13 16:44	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/28/13 16:44	127-18-4	
Toluene	ND	ug/L	1.0	1		03/28/13 16:44	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/28/13 16:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/28/13 16:44	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/28/13 16:44	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/28/13 16:44	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/28/13 16:44	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/13 16:44	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/13 16:44	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/13 16:44	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/13 16:44	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/28/13 16:44	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	107 %		85-115	1		03/28/13 16:44	460-00-4	
1,2-Dichloroethane-d4 (S)	106 %		77-119	1		03/28/13 16:44	17060-07-0	
Toluene-d8 (S)	104 %		85-115	1		03/28/13 16:44	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	0.26	NTU	0.10	1		03/22/13 18:39		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	864	mg/L	10.0	1		03/28/13 13:30		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-15 (-36)		Lab ID: 3090074017	Collected: 03/21/13 17:00	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	1630	mg/L	10.0	1		03/25/13 14:50		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	8.1	Std. Units	0.10	1		03/22/13 17:16		H6
9050 Specific Conductance	Analytical Method: EPA 9050							
Specific Conductance	2580	umhos/cm	1.0	1		03/29/13 13:30		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		03/28/13 09:59	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	31.2	mg/L	10.0	1		03/28/13 11:30		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	31.7	mg/L	3.0	1		03/28/13 13:46	16887-00-6	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	29.7	mg/L	0.38	1		03/28/13 12:44	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	0.11	mg/L	0.010	1		03/22/13 20:54	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	4.0	mg/L	0.060	1		03/28/13 07:36	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-15 (-6)	Lab ID: 3090074018	Collected: 03/21/13 17:03	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)								
Analytical Method: SM 2340B								
Total Hardness	705 mg/L		2.1	1		03/27/13 10:38		
Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Calcium	282000 ug/L		1000	1	03/25/13 14:21	03/27/13 10:38	7440-70-2	
Magnesium	ND ug/L		200	1	03/25/13 14:21	03/27/13 10:38	7439-95-4	
6020 MET ICPMS								
Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Antimony	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:41	7440-36-0	D3
Arsenic	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:41	7440-38-2	D3
Barium	0.38 mg/L		0.0015	5	03/24/13 07:10	03/28/13 12:41	7440-39-3	
Beryllium	ND mg/L		0.0010	5	03/24/13 07:10	03/28/13 12:41	7440-41-7	D3
Cadmium	ND mg/L		0.00040	5	03/24/13 07:10	03/28/13 12:41	7440-43-9	D3
Calcium	295 mg/L		2.0	100	03/24/13 07:10	03/28/13 12:46	7440-70-2	
Chromium	0.012 mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:41	7440-47-3	
Cobalt	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:41	7440-48-4	D3
Copper	0.0027 mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:41	7440-50-8	
Iron	ND mg/L		0.25	5	03/24/13 07:10	03/28/13 12:41	7439-89-6	D3
Lead	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 12:41	7439-92-1	D3
Magnesium	0.16 mg/L		0.025	5	03/24/13 07:10	03/28/13 12:41	7439-95-4	
Manganese	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:41	7439-96-5	D3
Nickel	0.0029 mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:41	7440-02-0	
Potassium	49.8 mg/L		0.10	5	03/24/13 07:10	03/28/13 12:41	7440-09-7	
Selenium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:41	7782-49-2	D3
Silver	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:41	7440-22-4	D3
Sodium	548 mg/L		5.0	100	03/24/13 07:10	03/28/13 12:46	7440-23-5	
Thallium	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 12:41	7440-28-0	D3
Vanadium	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 12:41	7440-62-2	D3
Zinc	ND mg/L		0.025	5	03/24/13 07:10	03/28/13 12:41	7440-66-6	D3
7470 Mercury								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND mg/L		0.00020	1	03/24/13 07:28	03/25/13 12:00	7439-97-6	
8260 MSV								
Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/28/13 17:11	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/28/13 17:11	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/28/13 17:11	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/28/13 17:11	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/28/13 17:11	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/28/13 17:11	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/28/13 17:11	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/28/13 17:11	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/28/13 17:11	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/28/13 17:11	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/28/13 17:11	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/28/13 17:11	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/28/13 17:11	106-46-7	

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ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-15 (-6)		Lab ID: 3090074018	Collected: 03/21/13 17:03	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
2-Butanone (MEK)	ND	ug/L	5.0	1		03/28/13 17:11	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		03/28/13 17:11	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/28/13 17:11	108-10-1	
Acetone	9.0	ug/L	5.0	1		03/28/13 17:11	67-64-1	
Acrylonitrile	ND	ug/L	2.0	1		03/28/13 17:11	107-13-1	
Benzene	ND	ug/L	1.0	1		03/28/13 17:11	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/28/13 17:11	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/28/13 17:11	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/28/13 17:11	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/28/13 17:11	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		03/28/13 17:11	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/28/13 17:11	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/28/13 17:11	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/28/13 17:11	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/28/13 17:11	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/28/13 17:11	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/28/13 17:11	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/28/13 17:11	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/28/13 17:11	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/28/13 17:11	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/28/13 17:11	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/28/13 17:11	75-09-2	
Styrene	ND	ug/L	1.0	1		03/28/13 17:11	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/28/13 17:11	127-18-4	
Toluene	ND	ug/L	1.0	1		03/28/13 17:11	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/28/13 17:11	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/28/13 17:11	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/28/13 17:11	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/28/13 17:11	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/28/13 17:11	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/13 17:11	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/13 17:11	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/13 17:11	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/13 17:11	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/28/13 17:11	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	102 %		85-115	1		03/28/13 17:11	460-00-4	
1,2-Dichloroethane-d4 (S)	110 %		77-119	1		03/28/13 17:11	17060-07-0	
Toluene-d8 (S)	97 %		85-115	1		03/28/13 17:11	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	0.61	NTU	0.10	1		03/22/13 18:39		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	400	mg/L	10.0	1		03/28/13 13:30		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-15 (-6)	Lab ID: 3090074018	Collected: 03/21/13 17:03	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	2430	mg/L	10.0	1		03/25/13 14:50		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	11.8	Std. Units	0.10	1		03/22/13 17:16		H6
9050 Specific Conductance	Analytical Method: EPA 9050							
Specific Conductance	5660	umhos/cm	1.0	1		03/29/13 13:30		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	2.0	mg/L	0.10	1		03/28/13 09:59	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	83.4	mg/L	10.0	1		03/28/13 11:30		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	1380	mg/L	60.0	20		03/26/13 15:19	16887-00-6	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	78.4	mg/L	0.38	1		03/28/13 12:46	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	0.13	mg/L	0.010	1		03/22/13 20:56	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	0.18	mg/L	0.060	1		03/28/13 07:36	14797-55-8	

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-19	Lab ID: 3090074019	Collected: 03/21/13 17:52	Received: 03/22/13 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.) Analytical Method: SM 2340B								
Total Hardness	791 mg/L		2.1	1		03/27/13 10:41		
Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Calcium	317000 ug/L		1000	1	03/25/13 14:21	03/27/13 10:41	7440-70-2	
Magnesium	ND ug/L		200	1	03/25/13 14:21	03/27/13 10:41	7439-95-4	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Antimony	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:50	7440-36-0	D3
Arsenic	0.0032 mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:50	7440-38-2	
Barium	0.018 mg/L		0.0015	5	03/24/13 07:10	03/28/13 12:50	7440-39-3	
Beryllium	ND mg/L		0.0010	5	03/24/13 07:10	03/28/13 12:50	7440-41-7	D3
Cadmium	ND mg/L		0.00040	5	03/24/13 07:10	03/28/13 12:50	7440-43-9	D3
Calcium	326 mg/L		2.0	100	03/24/13 07:10	03/28/13 12:55	7440-70-2	
Chromium	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:50	7440-47-3	D3
Cobalt	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:50	7440-48-4	D3
Copper	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:50	7440-50-8	D3
Iron	ND mg/L		0.25	5	03/24/13 07:10	03/28/13 12:50	7439-89-6	D3
Lead	0.0026 mg/L		0.00050	5	03/24/13 07:10	03/28/13 12:50	7439-92-1	
Magnesium	0.077 mg/L		0.025	5	03/24/13 07:10	03/28/13 12:50	7439-95-4	
Manganese	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:50	7439-96-5	D3
Nickel	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:50	7440-02-0	D3
Potassium	50.0 mg/L		0.10	5	03/24/13 07:10	03/28/13 12:50	7440-09-7	
Selenium	0.0046 mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:50	7782-49-2	
Silver	ND mg/L		0.0025	5	03/24/13 07:10	03/28/13 12:50	7440-22-4	D3
Sodium	56.0 mg/L		0.25	5	03/24/13 07:10	03/28/13 12:50	7440-23-5	
Thallium	ND mg/L		0.00050	5	03/24/13 07:10	03/28/13 12:50	7440-28-0	D3
Vanadium	0.037 mg/L		0.00050	5	03/24/13 07:10	03/28/13 12:50	7440-62-2	
Zinc	ND mg/L		0.025	5	03/24/13 07:10	03/28/13 12:50	7440-66-6	D3
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND mg/L		0.00020	1	03/24/13 07:28	03/25/13 12:08	7439-97-6	
8260 MSV Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		03/28/13 17:37	630-20-6	
1,1,1-Trichloroethane	ND ug/L		1.0	1		03/28/13 17:37	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		03/28/13 17:37	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		03/28/13 17:37	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		03/28/13 17:37	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		03/28/13 17:37	75-35-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		03/28/13 17:37	96-18-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		03/28/13 17:37	96-12-8	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		03/28/13 17:37	106-93-4	
1,2-Dichlorobenzene	ND ug/L		1.0	1		03/28/13 17:37	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		03/28/13 17:37	107-06-2	
1,2-Dichloropropane	ND ug/L		1.0	1		03/28/13 17:37	78-87-5	
1,4-Dichlorobenzene	ND ug/L		1.0	1		03/28/13 17:37	106-46-7	

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ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-19		Lab ID: 3090074019	Collected: 03/21/13 17:52	Received: 03/22/13 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
2-Butanone (MEK)	ND	ug/L	5.0	1		03/28/13 17:37	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		03/28/13 17:37	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/28/13 17:37	108-10-1	
Acetone	ND	ug/L	5.0	1		03/28/13 17:37	67-64-1	
Acrylonitrile	ND	ug/L	2.0	1		03/28/13 17:37	107-13-1	
Benzene	3.7	ug/L	1.0	1		03/28/13 17:37	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/28/13 17:37	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/28/13 17:37	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/28/13 17:37	75-25-2	
Bromomethane	ND	ug/L	1.0	1		03/28/13 17:37	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		03/28/13 17:37	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/28/13 17:37	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/28/13 17:37	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/28/13 17:37	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/28/13 17:37	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/28/13 17:37	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/28/13 17:37	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/28/13 17:37	74-95-3	
Ethylbenzene	ND	ug/L	1.0	1		03/28/13 17:37	100-41-4	
Iodomethane	ND	ug/L	1.0	1		03/28/13 17:37	74-88-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/28/13 17:37	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		03/28/13 17:37	75-09-2	
Styrene	ND	ug/L	1.0	1		03/28/13 17:37	100-42-5	
Tetrachloroethene	4.8	ug/L	1.0	1		03/28/13 17:37	127-18-4	
Toluene	ND	ug/L	1.0	1		03/28/13 17:37	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		03/28/13 17:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/28/13 17:37	75-69-4	
Vinyl acetate	ND	ug/L	1.0	1		03/28/13 17:37	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/28/13 17:37	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/28/13 17:37	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/13 17:37	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/13 17:37	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/13 17:37	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/13 17:37	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/28/13 17:37	110-57-6	
Surrogates								
4-Bromofluorobenzene (S)	102 %		85-115	1		03/28/13 17:37	460-00-4	
1,2-Dichloroethane-d4 (S)	108 %		77-119	1		03/28/13 17:37	17060-07-0	
Toluene-d8 (S)	100 %		85-115	1		03/28/13 17:37	2037-26-5	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	0.31	NTU	0.10	1		03/22/13 18:39		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	200	mg/L	10.0	1		03/28/13 13:30		

ANALYTICAL RESULTS

Project: Grey's Landfill

Pace Project No.: 3090074

Sample: GL-19		Lab ID: 3090074019		Collected: 03/21/13 17:52	Received: 03/22/13 10:00	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	1460	mg/L	10.0	1		03/25/13 14:50		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	10.8	Std. Units	0.10	1		03/22/13 17:16		H6
9050 Specific Conductance	Analytical Method: EPA 9050							
Specific Conductance	2040	umhos/cm	1.0	1		03/29/13 13:30		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	3.5	mg/L	0.10	1		03/28/13 09:59	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	24.7	mg/L	10.0	1		03/28/13 11:30		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	73.4	mg/L	3.0	1		03/28/13 12:46	16887-00-6	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	47.0	mg/L	0.38	1		03/28/13 12:46	14808-79-8	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	0.53	mg/L	0.10	10		03/22/13 21:17	14797-65-0	
SM4500NO3-F, Nitrate, Presrvd	Analytical Method: SM 4500-NO3 F							
Nitrate as N	ND	mg/L	0.060	1		03/28/13 07:36	14797-55-8	

QUALITY CONTROL DATA

Project: Grey's Landfill
Pace Project No.: 3090074

QC Batch: MERP/8179 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

METHOD BLANK: 1397127 Matrix: Water
Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	03/25/13 11:09	

LABORATORY CONTROL SAMPLE: 1397128

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	.005	0.0048	96	80-120	

MATRIX SPIKE SAMPLE: 1397131

Parameter	Units	3090074003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	ND	.005	0.0054	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1397150 1397151

Parameter	Units	3090074006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Mercury	mg/L	ND	.005	.005	0.0054	0.0053	107	106	80-120	.9	

QUALITY CONTROL DATA

Project: Grey's Landfill
Pace Project No.: 3090074

QC Batch: MPRP/10361 Analysis Method: EPA 6010B
QC Batch Method: EPA 3005 Analysis Description: 6010 MET
Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

METHOD BLANK: 558788 Matrix: Water
Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Calcium	ug/L	ND	1000	03/27/13 09:02	
Magnesium	ug/L	ND	200	03/27/13 09:02	

LABORATORY CONTROL SAMPLE: 558789

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	ug/L	5000	5380	108	80-120	
Magnesium	ug/L	5000	5400	108	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 558791 558792

Parameter	Units	3090109001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Calcium	ug/L	114000	5000	5000	116000	116000	47	52	80-120	.2	M1
Magnesium	ug/L	43400	5000	5000	48400	48600	100	104	80-120	.4	

MATRIX SPIKE SAMPLE: 558794

Parameter	Units	3090109002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Calcium	ug/L	104000	5000	111000	137	80-120	M1
Magnesium	ug/L	28500	5000	34400	118	80-120	

SAMPLE DUPLICATE: 558790

Parameter	Units	3090109001 Result	Dup Result	RPD	Qualifiers
Calcium	ug/L	114000	111000	2	
Magnesium	ug/L	43400	42500	2	

SAMPLE DUPLICATE: 558793

Parameter	Units	3090109002 Result	Dup Result	RPD	Qualifiers
Calcium	ug/L	104000	105000	.4	

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

SAMPLE DUPLICATE: 558793

Parameter	Units	3090109002 Result	Dup Result	RPD	Qualifiers
Magnesium	ug/L	28500	28700	.5	

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

LABORATORY CONTROL SAMPLE: 1397124

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nickel	mg/L	.08	0.080	100	80-120	
Potassium	mg/L	1	0.98	98	80-120	
Selenium	mg/L	.08	0.078	98	80-120	
Silver	mg/L	.08	0.082	103	80-120	
Sodium	mg/L	1	0.99	99	80-120	
Thallium	mg/L	.08	0.080	100	80-120	
Vanadium	mg/L	.08	0.077	97	80-120	
Zinc	mg/L	.08	0.090	113	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1397125 1397126

Parameter	Units	3090074004		MS	MSD	MS	MSD	MS	MSD	% Rec	RPD	Qual
		Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits			
Antimony	mg/L	ND	.08	.08	0.079	0.080	98	100	75-125	2		
Arsenic	mg/L	ND	.08	.08	0.081	0.079	101	98	75-125	2		
Barium	mg/L	0.058	.08	.08	0.14	0.14	100	99	75-125	.8		
Beryllium	mg/L	ND	.08	.08	0.080	0.082	100	102	75-125	2		
Cadmium	mg/L	ND	.08	.08	0.081	0.080	101	100	75-125	.9		
Calcium	mg/L	163	1	1	168	167	485	425	75-125	.4	M6	
Chromium	mg/L	ND	.08	.08	0.082	0.083	101	102	75-125	1		
Cobalt	mg/L	ND	.08	.08	0.080	0.079	100	98	75-125	2		
Copper	mg/L	0.0042	.08	.08	0.087	0.086	103	103	75-125	.4		
Iron	mg/L	ND	1	1	1.0	1.0	102	100	75-125	1		
Lead	mg/L	0.0065	.08	.08	0.086	0.086	99	99	75-125	.4		
Magnesium	mg/L	0.035	1	1	1.1	1.1	104	103	75-125	.9		
Manganese	mg/L	ND	.08	.08	0.081	0.082	100	101	75-125	1		
Nickel	mg/L	ND	.08	.08	0.084	0.083	103	102	75-125	1		
Potassium	mg/L	11.1	1	1	12.1	12.0	100	89	75-125	.9		
Selenium	mg/L	ND	.08	.08	0.082	0.081	100	99	75-125	.5		
Silver	mg/L	ND	.08	.08	0.082	0.078	102	97	75-125	5		
Sodium	mg/L	11.4	1	1	12.5	12.3	108	89	75-125	2		
Thallium	mg/L	ND	.08	.08	0.080	0.081	100	101	75-125	.7		
Vanadium	mg/L	0.022	.08	.08	0.10	0.10	100	98	75-125	1		
Zinc	mg/L	0.035	.08	.08	0.084	0.086	61	63	75-125	3	M6	

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

QC Batch:	MPRP/38187	Analysis Method:	EPA 6020
QC Batch Method:	EPA 3020	Analysis Description:	6020 MET
Associated Lab Samples:	3090074001		

METHOD BLANK: 1397638 Matrix: Water

Associated Lab Samples: 3090074001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	mg/L	ND	0.00050	03/26/13 15:54	
Arsenic	mg/L	ND	0.00050	03/26/13 15:54	
Barium	mg/L	ND	0.00030	03/26/13 15:54	
Beryllium	mg/L	ND	0.00020	03/26/13 15:54	
Cadmium	mg/L	ND	0.000080	03/26/13 15:54	
Calcium	mg/L	ND	0.020	03/26/13 15:54	
Chromium	mg/L	ND	0.00050	03/26/13 15:54	
Cobalt	mg/L	ND	0.00050	03/26/13 15:54	
Copper	mg/L	ND	0.00050	03/26/13 15:54	
Iron	mg/L	ND	0.050	03/26/13 15:54	
Lead	mg/L	ND	0.00010	03/26/13 15:54	
Magnesium	mg/L	ND	0.0050	03/26/13 15:54	
Manganese	mg/L	0.0037	0.00050	03/26/13 15:54	P8
Nickel	mg/L	ND	0.00050	03/26/13 15:54	
Potassium	mg/L	ND	0.020	03/26/13 15:54	
Selenium	mg/L	ND	0.00050	03/26/13 15:54	
Silver	mg/L	ND	0.00050	03/26/13 15:54	
Sodium	mg/L	ND	0.050	03/26/13 15:54	
Thallium	mg/L	ND	0.00010	03/26/13 15:54	
Vanadium	mg/L	ND	0.00010	03/26/13 15:54	
Zinc	mg/L	ND	0.0050	03/26/13 15:54	

LABORATORY CONTROL SAMPLE: 1397639

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	.08	0.080	100	80-120	
Arsenic	mg/L	.08	0.082	102	80-120	
Barium	mg/L	.08	0.081	101	80-120	
Beryllium	mg/L	.08	0.087	109	80-120	
Cadmium	mg/L	.08	0.081	102	80-120	
Calcium	mg/L	1	1.2	117	80-120	
Chromium	mg/L	.08	0.082	103	80-120	
Cobalt	mg/L	.08	0.084	105	80-120	
Copper	mg/L	.08	0.088	110	80-120	
Iron	mg/L	1	1.0	101	80-120	
Lead	mg/L	.08	0.076	95	80-120	
Magnesium	mg/L	1	1.0	103	80-120	
Manganese	mg/L	.08	0.080	100	80-120	
Nickel	mg/L	.08	0.083	104	80-120	
Potassium	mg/L	1	1.1	109	80-120	
Selenium	mg/L	.08	0.079	99	80-120	

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

LABORATORY CONTROL SAMPLE: 1397639

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Silver	mg/L	.08	0.076	95	80-120	
Sodium	mg/L	1	1.0	101	80-120	
Thallium	mg/L	.08	0.078	98	80-120	
Vanadium	mg/L	.08	0.081	102	80-120	
Zinc	mg/L	.08	0.082	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1397640 1397641

Parameter	Units	3090074001		MS		MSD		MS		MSD		% Rec		RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	Limits				
Antimony	mg/L	0.00078	.08	.08	0.081	0.075	100	93	75-125	7					
Arsenic	mg/L	0.024	.08	.08	0.10	0.097	101	92	75-125	7					
Barium	mg/L	0.046	.08	.08	0.12	0.12	93	91	75-125	1					
Beryllium	mg/L	ND	.08	.08	0.084	0.079	105	99	75-125	6					
Cadmium	mg/L	0.00035	.08	.08	0.083	0.076	104	95	75-125	9					
Calcium	mg/L	259	1	1	239	231	-1960	-2760	75-125	3 M6					
Chromium	mg/L	0.0085	.08	.08	0.092	0.086	105	97	75-125	6					
Cobalt	mg/L	0.0020	.08	.08	0.084	0.078	102	95	75-125	8					
Copper	mg/L	0.034	.08	.08	0.12	0.12	107	101	75-125	4					
Iron	mg/L	4.5	1	1	5.8	5.6	130	113	75-125	3 M6					
Lead	mg/L	0.0099	.08	.08	0.085	0.079	94	87	75-125	7					
Magnesium	mg/L	0.50	1	1	1.6	1.4	106	90	75-125	11					
Manganese	mg/L	0.12	.08	.08	0.21	0.20	107	99	75-125	3					
Nickel	mg/L	0.012	.08	.08	0.096	0.090	105	97	75-125	7					
Potassium	mg/L	72.5	1	1	76.0	73.4	355	90	75-125	4 M6					
Selenium	mg/L	0.0016	.08	.08	0.049	0.041	59	49	75-125	18 M6					
Silver	mg/L	0.0019	.08	.08	0.034	.022J	40	25	75-125	M6					
Sodium	mg/L	206	1	1	194	181	-1200	-2420	75-125	7 M6					
Thallium	mg/L	ND	.08	.08	0.076	0.071	95	89	75-125	6					
Vanadium	mg/L	0.017	.08	.08	0.10	0.092	105	94	75-125	10					
Zinc	mg/L	0.061	.08	.08	.14J	.13J	100	84	75-125						

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

QC Batch: MSV/15654

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008

METHOD BLANK: 559580

Matrix: Water

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	03/27/13 11:55	
1,1,1-Trichloroethane	ug/L	ND	1.0	03/27/13 11:55	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	03/27/13 11:55	
1,1,2-Trichloroethane	ug/L	ND	1.0	03/27/13 11:55	
1,1-Dichloroethane	ug/L	ND	1.0	03/27/13 11:55	
1,1-Dichloroethene	ug/L	ND	1.0	03/27/13 11:55	
1,2,3-Trichloropropane	ug/L	ND	1.0	03/27/13 11:55	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	03/27/13 11:55	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	03/27/13 11:55	
1,2-Dichlorobenzene	ug/L	ND	1.0	03/27/13 11:55	
1,2-Dichloroethane	ug/L	ND	1.0	03/27/13 11:55	
1,2-Dichloropropane	ug/L	ND	1.0	03/27/13 11:55	
1,4-Dichlorobenzene	ug/L	ND	1.0	03/27/13 11:55	
2-Butanone (MEK)	ug/L	ND	10.0	03/27/13 11:55	
2-Hexanone	ug/L	ND	10.0	03/27/13 11:55	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	03/27/13 11:55	
Acetone	ug/L	ND	10.0	03/27/13 11:55	
Acrylonitrile	ug/L	ND	2.0	03/27/13 11:55	
Benzene	ug/L	ND	1.0	03/27/13 11:55	
Bromochloromethane	ug/L	ND	1.0	03/27/13 11:55	
Bromodichloromethane	ug/L	ND	1.0	03/27/13 11:55	
Bromoform	ug/L	ND	1.0	03/27/13 11:55	
Bromomethane	ug/L	ND	1.0	03/27/13 11:55	
Carbon disulfide	ug/L	ND	1.0	03/27/13 11:55	
Carbon tetrachloride	ug/L	ND	1.0	03/27/13 11:55	
Chlorobenzene	ug/L	ND	1.0	03/27/13 11:55	
Chloroethane	ug/L	ND	1.0	03/27/13 11:55	
Chloroform	ug/L	ND	1.0	03/27/13 11:55	
Chloromethane	ug/L	ND	1.0	03/27/13 11:55	
cis-1,2-Dichloroethene	ug/L	ND	1.0	03/27/13 11:55	
cis-1,3-Dichloropropene	ug/L	ND	1.0	03/27/13 11:55	
Dibromochloromethane	ug/L	ND	1.0	03/27/13 11:55	
Dibromomethane	ug/L	ND	1.0	03/27/13 11:55	
Ethylbenzene	ug/L	ND	1.0	03/27/13 11:55	
Iodomethane	ug/L	ND	50.0	03/27/13 11:55	N2
Methyl-tert-butyl ether	ug/L	ND	1.0	03/27/13 11:55	
Methylene Chloride	ug/L	ND	1.0	03/27/13 11:55	
Styrene	ug/L	ND	1.0	03/27/13 11:55	
Tetrachloroethene	ug/L	ND	1.0	03/27/13 11:55	
Toluene	ug/L	ND	1.0	03/27/13 11:55	
trans-1,2-Dichloroethene	ug/L	ND	1.0	03/27/13 11:55	
trans-1,3-Dichloropropene	ug/L	ND	1.0	03/27/13 11:55	
trans-1,4-Dichloro-2-butene	ug/L	ND	5.0	03/27/13 11:55	N2

Date: 05/29/2013 09:36 AM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

METHOD BLANK: 559580

Matrix: Water

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichloroethene	ug/L	ND	1.0	03/27/13 11:55	
Trichlorofluoromethane	ug/L	ND	1.0	03/27/13 11:55	
Vinyl acetate	ug/L	ND	10.0	03/27/13 11:55	
Vinyl chloride	ug/L	ND	1.0	03/27/13 11:55	
Xylene (Total)	ug/L	ND	3.0	03/27/13 11:55	
1,2-Dichloroethane-d4 (S)	%	87	77-119	03/27/13 11:55	
4-Bromofluorobenzene (S)	%	102	85-115	03/27/13 11:55	
Toluene-d8 (S)	%	96	85-115	03/27/13 11:55	

LABORATORY CONTROL SAMPLE: 559581

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	17.9	89	69-122	
1,1,1-Trichloroethane	ug/L	20	19.5	97	62-125	
1,1,2,2-Tetrachloroethane	ug/L	20	15.7	78	61-117	
1,1,2-Trichloroethane	ug/L	20	17.9	90	72-119	
1,1-Dichloroethane	ug/L	20	21.2	106	63-123	
1,1-Dichloroethene	ug/L	20	22.8	114	57-127	
1,2,3-Trichloropropane	ug/L	20	16.0	80	69-121	
1,2-Dibromo-3-chloropropane	ug/L	20	14.6	73	50-133	
1,2-Dibromoethane (EDB)	ug/L	20	18.2	91	70-118	
1,2-Dichlorobenzene	ug/L	20	18.9	95	70-116	
1,2-Dichloroethane	ug/L	20	17.3	87	62-125	
1,2-Dichloropropane	ug/L	20	17.8	89	69-115	
1,4-Dichlorobenzene	ug/L	20	19.1	95	67-119	
2-Butanone (MEK)	ug/L	20	16.7	84	48-136	
2-Hexanone	ug/L	20	17.5	88	52-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	15.6	78	57-124	
Acetone	ug/L	20	14.7	74	49-138	
Acrylonitrile	ug/L	20	13.0	65	70-130 L2	
Benzene	ug/L	20	19.7	98	66-122	
Bromochloromethane	ug/L	20	20.9	105	61-126	
Bromodichloromethane	ug/L	20	16.7	83	63-118	
Bromoform	ug/L	20	15.6	78	46-130	
Bromomethane	ug/L	20	18.8	94	10-175	
Carbon disulfide	ug/L	20	26.3	132	59-142	
Carbon tetrachloride	ug/L	20	18.0	90	55-126	
Chlorobenzene	ug/L	20	19.5	98	70-121	
Chloroethane	ug/L	20	23.3	116	24-161	
Chloroform	ug/L	20	19.4	97	62-126	
Chloromethane	ug/L	20	21.9	109	37-147	
cis-1,2-Dichloroethene	ug/L	20	20.0	100	64-121	
cis-1,3-Dichloropropene	ug/L	20	19.0	95	64-118	
Dibromochloromethane	ug/L	20	17.8	89	60-120	
Dibromomethane	ug/L	20	19.7	99	67-124	

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

LABORATORY CONTROL SAMPLE: 559581

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	20	19.6	98	69-119	
Iodomethane	ug/L	20	14J	70	70-130	N2
Methyl-tert-butyl ether	ug/L	20	17.6	88	58-131	
Methylene Chloride	ug/L	20	19.4	97	59-128	
Styrene	ug/L	20	24.6	123	67-146	
Tetrachloroethene	ug/L	20	19.7	99	62-125	
Toluene	ug/L	20	19.8	99	72-115	
trans-1,2-Dichloroethene	ug/L	20	20.9	105	59-122	
trans-1,3-Dichloropropene	ug/L	20	16.9	85	64-120	
trans-1,4-Dichloro-2-butene	ug/L	20	13.8	69	70-130	L2,N2
Trichloroethene	ug/L	20	20.3	102	62-125	
Trichlorofluoromethane	ug/L	20	18.5	92	54-158	
Vinyl acetate	ug/L		ND			
Vinyl chloride	ug/L	20	23.1	116	52-145	
Xylene (Total)	ug/L	60	58.9	98	70-123	
1,2-Dichloroethane-d4 (S)	%			86	77-119	
4-Bromofluorobenzene (S)	%			97	85-115	
Toluene-d8 (S)	%			97	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 559582 559583

Parameter	Units	3089979001		MS	MSD	MS		MSD		% Rec Limits	RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec			
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	20	18.4	19.6	92	98	69-122	6	
1,1,1-Trichloroethane	ug/L	ND	20	20	20	20.2	21.8	101	109	62-125	8	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	20	17.1	18.4	85	92	61-117	7	
1,1,2-Trichloroethane	ug/L	ND	20	20	20	18.4	19.2	92	96	72-119	4	
1,1-Dichloroethane	ug/L	ND	20	20	20	21.9	22.9	110	115	63-123	4	
1,1-Dichloroethene	ug/L	ND	20	20	20	24.5	25.4	123	127	57-127	3	
1,2,3-Trichloropropane	ug/L	ND	20	20	20	16.6	17.4	83	87	69-121	5	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	20	15.6	16.5	78	82	50-133	5	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	20	18.2	19.3	91	96	70-118	6	
1,2-Dichlorobenzene	ug/L	ND	20	20	20	19.2	20.4	96	102	70-116	6	
1,2-Dichloroethane	ug/L	ND	20	20	20	17.5	19.0	88	95	62-125	8	
1,2-Dichloropropane	ug/L	ND	20	20	20	18.4	19.8	92	99	69-115	7	
1,4-Dichlorobenzene	ug/L	ND	20	20	20	19.5	20.3	97	101	67-119	4	
2-Butanone (MEK)	ug/L	ND	20	20	20	15.7	17.7	78	89	48-136	12	
2-Hexanone	ug/L	ND	20	20	20	17.9	18.4	89	92	52-130	3	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20	20	20	16.1	16.6	80	83	57-124	3	
Acetone	ug/L	ND	20	20	20	15.3	18.1	76	91	49-138	17	
Acrylonitrile	ug/L	ND	20	20	20	10.9	13.3	54	67	70-130	20	M0
Benzene	ug/L	ND	20	20	20	20.6	21.9	103	109	66-122	6	
Bromochloromethane	ug/L	ND	20	20	20	19.9	22.1	100	110	61-126	10	
Bromodichloromethane	ug/L	ND	20	20	20	17.3	18.6	87	93	63-118	7	
Bromoform	ug/L	ND	20	20	20	15.5	16.6	78	83	46-130	7	
Bromomethane	ug/L	ND	20	20	20	11.9	12.4	60	62	10-175	4	
Carbon disulfide	ug/L	ND	20	20	20	24.6	29.0	123	145	59-142	16	M0

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

Parameter	Units	3089979001		MS		MSD		MS		MSD		% Rec	Limits	RPD	Qual
		Result	Conc.	Spike	Conc.	Result	Result	% Rec	% Rec						
Carbon tetrachloride	ug/L	ND	20	20	20	18.9	20.3	95	102	55-126	7				
Chlorobenzene	ug/L	ND	20	20	20	19.8	20.9	99	105	70-121	5				
Chloroethane	ug/L	ND	20	20	20	25.6	26.9	128	135	24-161	5				
Chloroform	ug/L	ND	20	20	20	19.7	21.6	99	108	62-126	9				
Chloromethane	ug/L	ND	20	20	20	21.8	23.1	109	115	37-147	6				
cis-1,2-Dichloroethene	ug/L	ND	20	20	20	20.4	21.9	102	110	64-121	7				
cis-1,3-Dichloropropene	ug/L	ND	20	20	20	19.2	20.7	96	103	64-118	7				
Dibromochloromethane	ug/L	ND	20	20	20	18.4	19.6	92	98	60-120	6				
Dibromomethane	ug/L	ND	20	20	20	19.9	21.5	100	107	67-124	7				
Ethylbenzene	ug/L	ND	20	20	20	20.4	21.5	102	107	69-119	5				
Iodomethane	ug/L	ND	20	20	20	16.6J	21.2J	83	106	70-130	N2				
Methyl-tert-butyl ether	ug/L	ND	20	20	20	15.8	17.8	79	89	58-131	12				
Methylene Chloride	ug/L	ND	20	20	20	18.7	21.1	94	106	59-128	12				
Styrene	ug/L	ND	20	20	20	24.6	26.4	123	132	67-146	7				
Tetrachloroethene	ug/L	ND	20	20	20	21.3	22.6	106	113	62-125	6				
Toluene	ug/L	ND	20	20	20	20.1	21.5	101	108	72-115	7				
trans-1,2-Dichloroethene	ug/L	ND	20	20	20	21.6	22.7	108	113	59-122	5				
trans-1,3-Dichloropropene	ug/L	ND	20	20	20	17.0	18.2	85	91	64-120	7				
trans-1,4-Dichloro-2-butene	ug/L	ND	20	20	20	12.4	14.5	62	73	70-130	16	M0,N2			
Trichloroethene	ug/L	ND	20	20	20	19.9	21.9	99	109	62-125	9				
Trichlorofluoromethane	ug/L	ND	20	20	20	22.4	18.9	112	94	54-158	17				
Vinyl acetate	ug/L	ND				ND	ND								
Vinyl chloride	ug/L	ND	20	20	20	25.4	26.7	127	134	52-145	5				
Xylene (Total)	ug/L	ND	60	60	60	60.2	62.8	100	105	70-123	4				
1,2-Dichloroethane-d4 (S)	%							88	89	77-119					
4-Bromofluorobenzene (S)	%							97	97	85-115					
Toluene-d8 (S)	%							97	98	85-115					

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

QC Batch: MSV/15662 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
 Associated Lab Samples: 3090074009, 3090074010, 3090074011, 3090074012, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

METHOD BLANK: 560125 Matrix: Water
 Associated Lab Samples: 3090074009, 3090074010, 3090074011, 3090074012, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	03/28/13 11:00	
1,1,1-Trichloroethane	ug/L	ND	1.0	03/28/13 11:00	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	03/28/13 11:00	
1,1,2-Trichloroethane	ug/L	ND	1.0	03/28/13 11:00	
1,1-Dichloroethane	ug/L	ND	1.0	03/28/13 11:00	
1,1-Dichloroethene	ug/L	ND	1.0	03/28/13 11:00	
1,2,3-Trichloropropane	ug/L	ND	1.0	03/28/13 11:00	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	03/28/13 11:00	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	03/28/13 11:00	
1,2-Dichlorobenzene	ug/L	ND	1.0	03/28/13 11:00	
1,2-Dichloroethane	ug/L	ND	1.0	03/28/13 11:00	
1,2-Dichloropropane	ug/L	ND	1.0	03/28/13 11:00	
1,4-Dichlorobenzene	ug/L	ND	1.0	03/28/13 11:00	
2-Butanone (MEK)	ug/L	ND	10.0	03/28/13 11:00	
2-Hexanone	ug/L	ND	10.0	03/28/13 11:00	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	03/28/13 11:00	
Acetone	ug/L	ND	10.0	03/28/13 11:00	
Acrylonitrile	ug/L	ND	2.0	03/28/13 11:00	
Benzene	ug/L	ND	1.0	03/28/13 11:00	
Bromochloromethane	ug/L	ND	1.0	03/28/13 11:00	
Bromodichloromethane	ug/L	ND	1.0	03/28/13 11:00	
Bromoform	ug/L	ND	1.0	03/28/13 11:00	
Bromomethane	ug/L	ND	1.0	03/28/13 11:00	
Carbon disulfide	ug/L	ND	1.0	03/28/13 11:00	
Carbon tetrachloride	ug/L	ND	1.0	03/28/13 11:00	
Chlorobenzene	ug/L	ND	1.0	03/28/13 11:00	
Chloroethane	ug/L	ND	1.0	03/28/13 11:00	
Chloroform	ug/L	ND	1.0	03/28/13 11:00	
Chloromethane	ug/L	ND	1.0	03/28/13 11:00	
cis-1,2-Dichloroethene	ug/L	ND	1.0	03/28/13 11:00	
cis-1,3-Dichloropropene	ug/L	ND	1.0	03/28/13 11:00	
Dibromochloromethane	ug/L	ND	1.0	03/28/13 11:00	
Dibromomethane	ug/L	ND	1.0	03/28/13 11:00	
Ethylbenzene	ug/L	ND	1.0	03/28/13 11:00	
Iodomethane	ug/L	ND	50.0	03/28/13 11:00	N2
Methyl-tert-butyl ether	ug/L	ND	1.0	03/28/13 11:00	
Methylene Chloride	ug/L	ND	1.0	03/28/13 11:00	
Styrene	ug/L	ND	1.0	03/28/13 11:00	
Tetrachloroethene	ug/L	ND	1.0	03/28/13 11:00	
Toluene	ug/L	ND	1.0	03/28/13 11:00	
trans-1,2-Dichloroethene	ug/L	ND	1.0	03/28/13 11:00	

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

METHOD BLANK: 560125

Matrix: Water

Associated Lab Samples: 3090074009, 3090074010, 3090074011, 3090074012, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	1.0	03/28/13 11:00	
trans-1,4-Dichloro-2-butene	ug/L	ND	5.0	03/28/13 11:00	N2
Trichloroethene	ug/L	ND	1.0	03/28/13 11:00	
Trichlorofluoromethane	ug/L	ND	1.0	03/28/13 11:00	
Vinyl acetate	ug/L	ND	10.0	03/28/13 11:00	
Vinyl chloride	ug/L	ND	1.0	03/28/13 11:00	
Xylene (Total)	ug/L	ND	3.0	03/28/13 11:00	
1,2-Dichloroethane-d4 (S)	%	110	77-119	03/28/13 11:00	
4-Bromofluorobenzene (S)	%	98	85-115	03/28/13 11:00	
Toluene-d8 (S)	%	99	85-115	03/28/13 11:00	

LABORATORY CONTROL SAMPLE: 560126

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.8	94	69-122	
1,1,1-Trichloroethane	ug/L	20	18.6	93	62-125	
1,1,2,2-Tetrachloroethane	ug/L	20	16.8	84	61-117	
1,1,2-Trichloroethane	ug/L	20	17.7	88	72-119	
1,1-Dichloroethane	ug/L	20	18.4	92	63-123	
1,1-Dichloroethene	ug/L	20	20.5	103	57-127	
1,2,3-Trichloropropane	ug/L	20	17.2	86	69-121	
1,2-Dibromo-3-chloropropane	ug/L	20	18.1	90	50-133	
1,2-Dibromoethane (EDB)	ug/L	20	18.0	90	70-118	
1,2-Dichlorobenzene	ug/L	20	17.9	89	70-116	
1,2-Dichloroethane	ug/L	20	17.7	89	62-125	
1,2-Dichloropropane	ug/L	20	17.3	87	69-115	
1,4-Dichlorobenzene	ug/L	20	18.8	94	67-119	
2-Butanone (MEK)	ug/L	20	18.2	91	48-136	
2-Hexanone	ug/L	20	16.6	83	52-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	17.8	89	57-124	
Acetone	ug/L	20	18.2	91	49-138	
Acrylonitrile	ug/L	20	17.2	86	70-130	
Benzene	ug/L	20	18.6	93	66-122	
Bromochloromethane	ug/L	20	18.1	90	61-126	
Bromodichloromethane	ug/L	20	17.8	89	63-118	
Bromoform	ug/L	20	19.7	98	46-130	
Bromomethane	ug/L	20	24.0	120	10-175	
Carbon disulfide	ug/L	20	21.9	109	59-142	
Carbon tetrachloride	ug/L	20	19.6	98	55-126	
Chlorobenzene	ug/L	20	17.8	89	70-121	
Chloroethane	ug/L	20	18.3	91	24-161	
Chloroform	ug/L	20	17.9	89	62-126	
Chloromethane	ug/L	20	19.2	96	37-147	
cis-1,2-Dichloroethene	ug/L	20	16.9	84	64-121	

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

LABORATORY CONTROL SAMPLE: 560126

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	20	19.2	96	64-118	
Dibromochloromethane	ug/L	20	19.2	96	60-120	
Dibromomethane	ug/L	20	20.0	100	67-124	
Ethylbenzene	ug/L	20	18.8	94	69-119	
Iodomethane	ug/L	20	12.6J	63	70-130	L2,N2
Methyl-tert-butyl ether	ug/L	20	17.1	85	58-131	
Methylene Chloride	ug/L	20	17.8	89	59-128	
Styrene	ug/L	20	23.0	115	67-146	
Tetrachloroethene	ug/L	20	19.8	99	62-125	
Toluene	ug/L	20	18.0	90	72-115	
trans-1,2-Dichloroethene	ug/L	20	17.7	88	59-122	
trans-1,3-Dichloropropene	ug/L	20	17.4	87	64-120	
trans-1,4-Dichloro-2-butene	ug/L	20	15.0	75	70-130	N2
Trichloroethene	ug/L	20	19.1	96	62-125	
Trichlorofluoromethane	ug/L	20	21.1	105	54-158	
Vinyl acetate	ug/L		ND			
Vinyl chloride	ug/L	20	19.1	96	52-145	
Xylene (Total)	ug/L	60	54.3	90	70-123	
1,2-Dichloroethane-d4 (S)	%			107	77-119	
4-Bromofluorobenzene (S)	%			105	85-115	
Toluene-d8 (S)	%			101	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 560335 560336

Parameter	Units	3090074012		MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.							
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	20	20.7	19.7	104	99	69-122	5	
1,1,1-Trichloroethane	ug/L	ND	20	20	20	21.6	22.7	108	114	62-125	5	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	20	17.3	17.3	87	87	61-117	.2	
1,1,2-Trichloroethane	ug/L	ND	20	20	20	19.9	18.0	99	90	72-119	10	
1,1-Dichloroethane	ug/L	11.1	20	20	20	31.1	32.9	100	109	63-123	6	
1,1-Dichloroethene	ug/L	ND	20	20	20	23.7	24.6	118	123	57-127	4	
1,2,3-Trichloropropane	ug/L	ND	20	20	20	17.4	17.6	87	88	69-121	1	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	20	18.2	18.2	91	91	50-133	.2	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	20	20.5	20.0	102	100	70-118	2	
1,2-Dichlorobenzene	ug/L	ND	20	20	20	18.5	18.8	93	94	70-116	2	
1,2-Dichloroethane	ug/L	ND	20	20	20	20.1	19.7	101	99	62-125	2	
1,2-Dichloropropane	ug/L	ND	20	20	20	20.0	19.1	100	95	69-115	5	
1,4-Dichlorobenzene	ug/L	ND	20	20	20	19.3	18.9	97	95	67-119	2	
2-Butanone (MEK)	ug/L	ND	20	20	20	17.6	18.6	88	93	48-136	5	
2-Hexanone	ug/L	ND	20	20	20	16.1	15.9	80	80	52-130	.9	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20	20	20	17.5	18.4	87	92	57-124	5	
Acetone	ug/L	5.2	20	20	20	21.6	21.9	82	83	49-138	1	
Acrylonitrile	ug/L	ND	20	20	20	15.9	17.1	79	86	70-130	8	
Benzene	ug/L	9.9	20	20	20	31.5	30.1	108	101	66-122	4	
Bromochloromethane	ug/L	ND	20	20	20	21.2	21.0	106	105	61-126	.7	
Bromodichloromethane	ug/L	ND	20	20	20	20.8	20.2	104	101	63-118	3	

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QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 560335												560336											
Parameter	Units	3090074012		MS		MSD		MS		MSD		% Rec		Limits	RPD	Qual							
		Result	Conc.	Spike	Conc.	Spike	Conc.	Result	Result	% Rec	% Rec												
Bromoform	ug/L	ND	20	20	20	21.5	20.4	108	102	46-130	5												
Bromomethane	ug/L	ND	20	20	20	12.5	15.0	62	75	10-175	18												
Carbon disulfide	ug/L	ND	20	20	20	22.7	24.3	113	121	59-142	7												
Carbon tetrachloride	ug/L	ND	20	20	20	22.0	21.5	110	108	55-126	2												
Chlorobenzene	ug/L	ND	20	20	20	20.4	19.2	102	96	70-121	6												
Chloroethane	ug/L	ND	20	20	20	24.8	22.9	124	115	24-161	8												
Chloroform	ug/L	ND	20	20	20	21.0	21.1	105	106	62-126	.6												
Chloromethane	ug/L	ND	20	20	20	21.6	21.5	108	107	37-147	.7												
cis-1,2-Dichloroethene	ug/L	3.2	20	20	20	22.2	23.6	95	102	64-121	6												
cis-1,3-Dichloropropene	ug/L	ND	20	20	20	21.8	19.9	109	100	64-118	9												
Dibromochloromethane	ug/L	ND	20	20	20	22.1	20.5	111	102	60-120	8												
Dibromomethane	ug/L	ND	20	20	20	22.4	21.3	112	107	67-124	5												
Ethylbenzene	ug/L	ND	20	20	20	20.7	19.6	103	98	69-119	5												
Iodomethane	ug/L	ND	20	20	20	10.8J	13.1J	54	66	70-130					M0,N2								
Methyl-tert-butyl ether	ug/L	ND	20	20	20	17.3	18.5	87	92	58-131	7												
Methylene Chloride	ug/L	ND	20	20	20	19.6	19.5	98	98	59-128	.6												
Styrene	ug/L	ND	20	20	20	26.2	23.8	131	119	67-146	10												
Tetrachloroethene	ug/L	ND	20	20	20	21.5	21.9	108	110	62-125	2												
Toluene	ug/L	ND	20	20	20	21.0	20.2	105	101	72-115	4												
trans-1,2-Dichloroethene	ug/L	ND	20	20	20	21.1	21.3	105	107	59-122	1												
trans-1,3-Dichloropropene	ug/L	ND	20	20	20	19.0	18.3	95	91	64-120	4												
trans-1,4-Dichloro-2-butene	ug/L	ND	20	20	20	13.4	14.4	67	72	70-130	7				M0,N2								
Trichloroethene	ug/L	ND	20	20	20	22.2	20.6	111	103	62-125	7												
Trichlorofluoromethane	ug/L	ND	20	20	20	25.8	26.2	129	131	54-158	1												
Vinyl acetate	ug/L	ND				3.4J	ND																
Vinyl chloride	ug/L	ND	20	20	20	23.6	23.4	116	115	52-145	.8												
Xylene (Total)	ug/L	ND	60	60	60	62.9	58.6	105	98	70-123	7												
1,2-Dichloroethane-d4 (S)	%							109	109	77-119													
4-Bromofluorobenzene (S)	%							104	101	85-115													
Toluene-d8 (S)	%							102	99	85-115													

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

QC Batch: OEXT/14600 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 3090074001, 3090074005, 3090074007, 3090074009, 3090074010

METHOD BLANK: 559055 Matrix: Water
Associated Lab Samples: 3090074001, 3090074005, 3090074007, 3090074009, 3090074010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	1.0	03/27/13 13:46	
1,2-Dichlorobenzene	ug/L	ND	1.0	03/27/13 13:46	
1,3-Dichlorobenzene	ug/L	ND	1.0	03/27/13 13:46	
1,4-Dichlorobenzene	ug/L	ND	1.0	03/27/13 13:46	
1-Methylnaphthalene	ug/L	ND	1.0	03/27/13 13:46	N2
2,4,5-Trichlorophenol	ug/L	ND	2.5	03/27/13 13:46	
2,4,6-Trichlorophenol	ug/L	ND	1.0	03/27/13 13:46	
2,4-Dichlorophenol	ug/L	ND	1.0	03/27/13 13:46	
2,4-Dimethylphenol	ug/L	ND	1.0	03/27/13 13:46	
2,4-Dinitrophenol	ug/L	ND	2.5	03/27/13 13:46	
2,4-Dinitrotoluene	ug/L	ND	1.0	03/27/13 13:46	
2,6-Dinitrotoluene	ug/L	ND	1.0	03/27/13 13:46	
2-Chloronaphthalene	ug/L	ND	1.0	03/27/13 13:46	
2-Chlorophenol	ug/L	ND	1.0	03/27/13 13:46	
2-Methylnaphthalene	ug/L	ND	1.0	03/27/13 13:46	
2-Methylphenol(o-Cresol)	ug/L	ND	1.0	03/27/13 13:46	
2-Nitroaniline	ug/L	ND	2.5	03/27/13 13:46	
2-Nitrophenol	ug/L	ND	1.0	03/27/13 13:46	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	2.0	03/27/13 13:46	
3,3'-Dichlorobenzidine	ug/L	ND	1.0	03/27/13 13:46	
3-Nitroaniline	ug/L	ND	2.5	03/27/13 13:46	
4,6-Dinitro-2-methylphenol	ug/L	ND	2.5	03/27/13 13:46	
4-Bromophenylphenyl ether	ug/L	ND	1.0	03/27/13 13:46	
4-Chloro-3-methylphenol	ug/L	ND	1.0	03/27/13 13:46	
4-Chloroaniline	ug/L	ND	1.0	03/27/13 13:46	
4-Chlorophenylphenyl ether	ug/L	ND	1.0	03/27/13 13:46	
4-Nitroaniline	ug/L	ND	2.5	03/27/13 13:46	
4-Nitrophenol	ug/L	ND	1.0	03/27/13 13:46	
Acenaphthene	ug/L	ND	1.0	03/27/13 13:46	
Acenaphthylene	ug/L	ND	1.0	03/27/13 13:46	
Anthracene	ug/L	ND	1.0	03/27/13 13:46	
Azobenzene	ug/L	ND	1.0	03/27/13 13:46	N2
Benzo(a)anthracene	ug/L	ND	1.0	03/27/13 13:46	
Benzo(a)pyrene	ug/L	ND	1.0	03/27/13 13:46	
Benzo(b)fluoranthene	ug/L	ND	1.0	03/27/13 13:46	
Benzo(g,h,i)perylene	ug/L	ND	1.0	03/27/13 13:46	
Benzo(k)fluoranthene	ug/L	ND	1.0	03/27/13 13:46	
Benzoic acid	ug/L	ND	100	03/27/13 13:46	
Benzyl alcohol	ug/L	ND	1.0	03/27/13 13:46	
bis(2-Chloroethoxy)methane	ug/L	ND	1.0	03/27/13 13:46	
bis(2-Chloroethyl) ether	ug/L	ND	1.0	03/27/13 13:46	
bis(2-Chloroisopropyl) ether	ug/L	ND	1.0	03/27/13 13:46	
bis(2-Ethylhexyl)phthalate	ug/L	ND	1.0	03/27/13 13:46	

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QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

METHOD BLANK: 559055

Matrix: Water

Associated Lab Samples: 3090074001, 3090074005, 3090074007, 3090074009, 3090074010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Butylbenzylphthalate	ug/L	ND	1.0	03/27/13 13:46	
Carbazole	ug/L	ND	1.0	03/27/13 13:46	
Chrysene	ug/L	ND	1.0	03/27/13 13:46	
Di-n-butylphthalate	ug/L	ND	1.0	03/27/13 13:46	
Di-n-octylphthalate	ug/L	ND	1.0	03/27/13 13:46	
Dibenz(a,h)anthracene	ug/L	ND	1.0	03/27/13 13:46	
Dibenzofuran	ug/L	ND	1.0	03/27/13 13:46	
Diethylphthalate	ug/L	ND	1.0	03/27/13 13:46	
Dimethylphthalate	ug/L	ND	1.0	03/27/13 13:46	
Fluoranthene	ug/L	ND	1.0	03/27/13 13:46	
Fluorene	ug/L	ND	1.0	03/27/13 13:46	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	03/27/13 13:46	
Hexachlorobenzene	ug/L	ND	1.0	03/27/13 13:46	
Hexachlorocyclopentadiene	ug/L	ND	1.0	03/27/13 13:46	
Hexachloroethane	ug/L	ND	1.0	03/27/13 13:46	
Indeno(1,2,3-cd)pyrene	ug/L	ND	1.0	03/27/13 13:46	
Isophorone	ug/L	ND	1.0	03/27/13 13:46	
N-Nitroso-di-n-propylamine	ug/L	ND	1.0	03/27/13 13:46	
N-Nitrosodimethylamine	ug/L	ND	1.0	03/27/13 13:46	
N-Nitrosodiphenylamine	ug/L	ND	1.0	03/27/13 13:46	
Naphthalene	ug/L	ND	1.0	03/27/13 13:46	
Nitrobenzene	ug/L	ND	1.0	03/27/13 13:46	
Pentachlorophenol	ug/L	ND	2.5	03/27/13 13:46	
Phenanthrene	ug/L	ND	1.0	03/27/13 13:46	
Phenol	ug/L	ND	1.0	03/27/13 13:46	
Pyrene	ug/L	ND	1.0	03/27/13 13:46	
2,4,6-Tribromophenol (S)	%	58	10-123	03/27/13 13:46	
2-Fluorobiphenyl (S)	%	61	43-116	03/27/13 13:46	
2-Fluorophenol (S)	%	34	21-110	03/27/13 13:46	
Nitrobenzene-d5 (S)	%	54	35-114	03/27/13 13:46	
Phenol-d6 (S)	%	22	10-110	03/27/13 13:46	
Terphenyl-d14 (S)	%	108	33-141	03/27/13 13:46	

LABORATORY CONTROL SAMPLE: 559056

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	5	3.2	64	12-105	
1,2-Dichlorobenzene	ug/L		3.2			
1,3-Dichlorobenzene	ug/L		3.3			
1,4-Dichlorobenzene	ug/L	5	3.3	65	10-95	
1-Methylnaphthalene	ug/L	5	4.2	84	15-106	N2
2,4-Dinitrotoluene	ug/L	5	3.1	62	10-133	
2,6-Dinitrotoluene	ug/L		2.2			
2-Chlorophenol	ug/L	5	3.4	67	10-111	
2-Methylnaphthalene	ug/L	5	3.6	73	10-98	

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QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

LABORATORY CONTROL SAMPLE: 559056

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Chloro-3-methylphenol	ug/L	5	3.7	75	10-129	
4-Nitrophenol	ug/L	5	1.5	30	10-54	
Acenaphthene	ug/L	5	3.9	78	12-123	
Acenaphthylene	ug/L	5	4.0	80	11-131	
Anthracene	ug/L	5	3.9	79	11-135	
Benzo(a)anthracene	ug/L	5	4.4	88	24-138	
Benzo(a)pyrene	ug/L	5	3.8	75	20-136	
Benzo(b)fluoranthene	ug/L	5	4.4	87	19-147	
Benzo(g,h,i)perylene	ug/L	5	4.1	81	11-156	
Benzo(k)fluoranthene	ug/L	5	4.8	95	22-154	
bis(2-Ethylhexyl)phthalate	ug/L		.61J			
Carbazole	ug/L		.56J			
Chrysene	ug/L	5	4.4	88	14-158	
Dibenz(a,h)anthracene	ug/L	5	3.7	75	13-154	
Fluoranthene	ug/L	5	4.3	86	20-135	
Fluorene	ug/L	5	4.1	82	11-128	
Indeno(1,2,3-cd)pyrene	ug/L	5	3.8	77	15-148	
N-Nitroso-di-n-propylamine	ug/L	5	4.0	79	10-136	
Naphthalene	ug/L	5	4.2	85	12-116	
Pentachlorophenol	ug/L	5	3.6	73	13-129	
Phenanthrene	ug/L	5	3.9	77	13-134	
Phenol	ug/L	5	1.4	28	10-47	
Pyrene	ug/L	5	4.4	87	10-158	
2,4,6-Tribromophenol (S)	%			74	10-123	
2-Fluorobiphenyl (S)	%			76	43-116	
2-Fluorophenol (S)	%			39	21-110	
Nitrobenzene-d5 (S)	%			58	35-114	
Phenol-d6 (S)	%			31	10-110	
Terphenyl-d14 (S)	%			100	33-141	

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

QC Batch: WET/17617

Analysis Method: EPA 180.1

QC Batch Method: EPA 180.1

Analysis Description: 180.1 Turbidity

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

METHOD BLANK: 557722

Matrix: Water

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Turbidity	NTU	ND	0.10	03/22/13 18:39	

LABORATORY CONTROL SAMPLE: 557723

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Turbidity	NTU	8	8.0	100	85-115	

SAMPLE DUPLICATE: 557724

Parameter	Units	3090074019 Result	Dup Result	RPD	Qualifiers
Turbidity	NTU	0.31	0.30	3	

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

QC Batch: WET/17709 Analysis Method: SM 2320B
 QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
 Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

METHOD BLANK: 560040 Matrix: Water

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	ND	10.0	03/28/13 13:30	

LABORATORY CONTROL SAMPLE: 560041

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	20	20.0	100	85-115	

MATRIX SPIKE SAMPLE: 560042

Parameter	Units	3090074001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	188	100	284	96	80-120	

SAMPLE DUPLICATE: 560043

Parameter	Units	3090074001 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	188	192	2	

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

QC Batch: WET/17637

Analysis Method: SM 2540C

QC Batch Method: SM 2540C

Analysis Description: 2540C Total Dissolved Solids

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

METHOD BLANK: 558623

Matrix: Water

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	03/25/13 14:50	

LABORATORY CONTROL SAMPLE: 558624

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	1000	996	100	85-115	

SAMPLE DUPLICATE: 558625

Parameter	Units	3090109001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	928	888	4	

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

QC Batch: WET/17624 Analysis Method: SM 4500-H+B

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

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

SAMPLE DUPLICATE: 557827

Parameter	Units	3090104002 Result	Dup Result	RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.2	6.2	.3	H6

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

QC Batch: WET/17658

Analysis Method: EPA 9050

QC Batch Method: EPA 9050

Analysis Description: 9050 Specific Conductance

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008

METHOD BLANK: 558948

Matrix: Water

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Specific Conductance	umhos/cm	ND	1.0	03/28/13 16:20	

LABORATORY CONTROL SAMPLE: 558949

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Specific Conductance	umhos/cm	1410	1470	104	85-115	

SAMPLE DUPLICATE: 558950

Parameter	Units	3089979001 Result	Dup Result	RPD	Qualifiers
Specific Conductance	umhos/cm	764	769	.7	

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

QC Batch: WET/17659

Analysis Method: EPA 9050

QC Batch Method: EPA 9050

Analysis Description: 9050 Specific Conductance

Associated Lab Samples: 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

METHOD BLANK: 558951

Matrix: Water

Associated Lab Samples: 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Specific Conductance	umhos/cm	ND	1.0	03/29/13 13:30	

LABORATORY CONTROL SAMPLE: 558952

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Specific Conductance	umhos/cm	1410	1450	103	85-115	

SAMPLE DUPLICATE: 558953

Parameter	Units	3089813001 Result	Dup Result	RPD	Qualifiers
Specific Conductance	umhos/cm	456	454	.4	

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

QC Batch: WETA/12267

Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1

Analysis Description: 350.1 Ammonia

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

METHOD BLANK: 560045

Matrix: Water

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	03/28/13 09:59	

LABORATORY CONTROL SAMPLE: 560046

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	4	4.0	100	85-115	

MATRIX SPIKE SAMPLE: 560047

Parameter	Units	3089959002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2.1	4	5.8	93	85-115	

SAMPLE DUPLICATE: 560048

Parameter	Units	3089959002 Result	Dup Result	RPD	Qualifiers
Nitrogen, Ammonia	mg/L	2.1	2.1	3	

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

QC Batch: WETA/12272

Analysis Method: EPA 410.4

QC Batch Method: EPA 410.4

Analysis Description: 410.4 COD

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004

METHOD BLANK: 560199

Matrix: Water

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	25.0	03/28/13 08:40	

METHOD BLANK: 560203

Matrix: Water

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	25.0	03/28/13 08:40	

LABORATORY CONTROL SAMPLE: 560200

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	300	310	103	90-110	

MATRIX SPIKE SAMPLE: 560201

Parameter	Units	3089979001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	18.2	150	162	96	90-110	

SAMPLE DUPLICATE: 560202

Parameter	Units	3089979001 Result	Dup Result	RPD	Qualifiers
Chemical Oxygen Demand	mg/L	18.2	18.2J		

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

QC Batch: WETA/12273

Analysis Method: EPA 410.4

QC Batch Method: EPA 410.4

Analysis Description: 410.4 COD

Associated Lab Samples: 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

METHOD BLANK: 560206

Matrix: Water

Associated Lab Samples: 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	25.0	03/28/13 11:30	

LABORATORY CONTROL SAMPLE: 560207

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	300	316	105	90-110	

MATRIX SPIKE SAMPLE: 560208

Parameter	Units	3090074006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	140	150	268	86	90-110	M1

SAMPLE DUPLICATE: 560209

Parameter	Units	3090074006 Result	Dup Result	RPD	Qualifiers
Chemical Oxygen Demand	mg/L	140	133	5	

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

QC Batch: WETA/12240

Analysis Method: SM 4500-Cl-E

QC Batch Method: SM 4500-Cl-E

Analysis Description: 4500 Chloride

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074018

METHOD BLANK: 559045

Matrix: Water

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	3.0	03/26/13 14:28	

METHOD BLANK: 559046

Matrix: Water

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	3.0	03/26/13 14:29	

LABORATORY CONTROL SAMPLE: 559047

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	40	39.0	98	85-115	

MATRIX SPIKE SAMPLE: 559048

Parameter	Units	3089765002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	ND	20	22.3	103	85-115	

SAMPLE DUPLICATE: 559049

Parameter	Units	3089765002 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	ND	1.7J		

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

QC Batch: WETA/12268

Analysis Method: SM 4500-Cl-E

QC Batch Method: SM 4500-Cl-E

Analysis Description: 4500 Chloride

Associated Lab Samples: 3090074017, 3090074019

METHOD BLANK: 560051

Matrix: Water

Associated Lab Samples: 3090074017, 3090074019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	3.0	03/28/13 12:45	

LABORATORY CONTROL SAMPLE: 560052

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	40	39.6	99	85-115	

MATRIX SPIKE SAMPLE: 560053

Parameter	Units	3090074017 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	31.7	20	45.3	68	85-115	M1

SAMPLE DUPLICATE: 560054

Parameter	Units	3090074017 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	31.7	31.4	.9	

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

QC Batch: WETA/12265

Analysis Method: ASTM D516-90,02

QC Batch Method: ASTM D516-90,02

Analysis Description: ASTM D516-9002 Sulfate Water

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

METHOD BLANK: 560023

Matrix: Water

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	ND	10.0	03/28/13 12:26	

LABORATORY CONTROL SAMPLE: 560024

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	30	28.9	96	85-115	

MATRIX SPIKE SAMPLE: 560025

Parameter	Units	3090074002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	77.5	20	92.5	75	85-115	M1

SAMPLE DUPLICATE: 560026

Parameter	Units	3090074002 Result	Dup Result	RPD	Qualifiers
Sulfate	mg/L	77.5	85.6	10	

QUALITY CONTROL DATA

Project: Grey's Landfill
Pace Project No.: 3090074

QC Batch: WETA/12209 Analysis Method: SM 4500-NO2 B
QC Batch Method: SM 4500-NO2 B Analysis Description: SM4500NO2-B, Nitrite, unpres
Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

METHOD BLANK: 557732 Matrix: Water
Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	ND	0.010	03/22/13 20:39	

METHOD BLANK: 557733 Matrix: Water
Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	ND	0.010	03/22/13 20:40	

LABORATORY CONTROL SAMPLE: 557734

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	.1	0.11	106	85-115	

MATRIX SPIKE SAMPLE: 557736

Parameter	Units	3090074019 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	0.53	.1	0.60	76	85-115	M3

SAMPLE DUPLICATE: 557735

Parameter	Units	3090074019 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	0.53	0.53	.6	

QUALITY CONTROL DATA

Project: Grey's Landfill

Pace Project No.: 3090074

QC Batch: WETA/12270

Analysis Method: SM 4500-NO3 F

QC Batch Method: SM 4500-NO3 F

Analysis Description: SM4500NO3-F, Nitrate, Preserved

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

METHOD BLANK: 560061

Matrix: Water

Associated Lab Samples: 3090074001, 3090074002, 3090074003, 3090074004, 3090074005, 3090074006, 3090074007, 3090074008, 3090074009, 3090074010, 3090074011, 3090074013, 3090074014, 3090074015, 3090074016, 3090074017, 3090074018, 3090074019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	ND	0.10	03/28/13 07:36	

LABORATORY CONTROL SAMPLE: 560062

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	4	3.9	99	85-115	

MATRIX SPIKE SAMPLE: 560063

Parameter	Units	3090074001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	ND	5	4.5	89	85-115	

SAMPLE DUPLICATE: 560064

Parameter	Units	3090074001 Result	Dup Result	RPD	Qualifiers
Nitrate as N	mg/L	ND	ND		

QUALIFIERS

Project: Grey's Landfill

Pace Project No.: 3090074

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

PASI-PA Pace Analytical Services - Greensburg

BATCH QUALIFIERS

Batch: OEXT/14600

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

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

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

L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

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

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

M3 Matrix spike recovery was outside laboratory control limits due to matrix interferences.

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

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

P8 Analyte was detected in the method blank. All associated samples had concentrations of at least ten times greater than the blank or were below the reporting limit.

S4 Surrogate recovery not evaluated against control limits due to sample dilution.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Grey's Landfill

Pace Project No.: 3090074

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3090074001	GL-09 (-2)	SM 2340B	ICP/9778		
3090074002	GL-09 (-20)	SM 2340B	ICP/9778		
3090074003	GL-03 (-16)	SM 2340B	ICP/9778		
3090074004	GL-03 (-3)	SM 2340B	ICP/9778		
3090074005	GL-18 (-3)	SM 2340B	ICP/9778		
3090074006	GL-18 (-33)	SM 2340B	ICP/9778		
3090074007	GL-20 (-5)	SM 2340B	ICP/9778		
3090074008	TS-01 (-7)	SM 2340B	ICP/9778		
3090074009	GL-17 (-31)	SM 2340B	ICP/9778		
3090074010	GL-17 (-1)	SM 2340B	ICP/9778		
3090074011	GL-02 (-29)	SM 2340B	ICP/9778		
3090074013	GL-16 (-6)	SM 2340B	ICP/9778		
3090074014	GL-16 (-32)	SM 2340B	ICP/9778		
3090074015	GL-05 (-25)	SM 2340B	ICP/9778		
3090074016	GL-05 (-7)	SM 2340B	ICP/9778		
3090074017	GL-15 (-36)	SM 2340B	ICP/9778		
3090074018	GL-15 (-6)	SM 2340B	ICP/9778		
3090074019	GL-19	SM 2340B	ICP/9778		
3090074001	GL-09 (-2)	EPA 3020	MPRP/38187	EPA 6020	ICPM/15635
3090074002	GL-09 (-20)	EPA 3020	MPRP/38164	EPA 6020	ICPM/15624
3090074003	GL-03 (-16)	EPA 3020	MPRP/38164	EPA 6020	ICPM/15624
3090074004	GL-03 (-3)	EPA 3020	MPRP/38164	EPA 6020	ICPM/15624
3090074005	GL-18 (-3)	EPA 3020	MPRP/38164	EPA 6020	ICPM/15624
3090074006	GL-18 (-33)	EPA 3020	MPRP/38164	EPA 6020	ICPM/15624
3090074007	GL-20 (-5)	EPA 3020	MPRP/38164	EPA 6020	ICPM/15624
3090074008	TS-01 (-7)	EPA 3020	MPRP/38164	EPA 6020	ICPM/15624
3090074009	GL-17 (-31)	EPA 3020	MPRP/38164	EPA 6020	ICPM/15624
3090074010	GL-17 (-1)	EPA 3020	MPRP/38164	EPA 6020	ICPM/15624
3090074011	GL-02 (-29)	EPA 3020	MPRP/38164	EPA 6020	ICPM/15624
3090074013	GL-16 (-6)	EPA 3020	MPRP/38164	EPA 6020	ICPM/15624
3090074014	GL-16 (-32)	EPA 3020	MPRP/38164	EPA 6020	ICPM/15624
3090074015	GL-05 (-25)	EPA 3020	MPRP/38164	EPA 6020	ICPM/15624
3090074016	GL-05 (-7)	EPA 3020	MPRP/38164	EPA 6020	ICPM/15624
3090074017	GL-15 (-36)	EPA 3020	MPRP/38164	EPA 6020	ICPM/15624
3090074018	GL-15 (-6)	EPA 3020	MPRP/38164	EPA 6020	ICPM/15624
3090074019	GL-19	EPA 3020	MPRP/38164	EPA 6020	ICPM/15624
3090074001	GL-09 (-2)	EPA 7470	MERP/8179	EPA 7470	MERC/9244
3090074002	GL-09 (-20)	EPA 7470	MERP/8179	EPA 7470	MERC/9244
3090074003	GL-03 (-16)	EPA 7470	MERP/8179	EPA 7470	MERC/9244
3090074004	GL-03 (-3)	EPA 7470	MERP/8179	EPA 7470	MERC/9244
3090074005	GL-18 (-3)	EPA 7470	MERP/8179	EPA 7470	MERC/9244
3090074006	GL-18 (-33)	EPA 7470	MERP/8179	EPA 7470	MERC/9244
3090074007	GL-20 (-5)	EPA 7470	MERP/8179	EPA 7470	MERC/9244
3090074008	TS-01 (-7)	EPA 7470	MERP/8179	EPA 7470	MERC/9244
3090074009	GL-17 (-31)	EPA 7470	MERP/8179	EPA 7470	MERC/9244
3090074010	GL-17 (-1)	EPA 7470	MERP/8179	EPA 7470	MERC/9244
3090074011	GL-02 (-29)	EPA 7470	MERP/8179	EPA 7470	MERC/9244

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Grey's Landfill

Pace Project No.: 3090074

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3090074013	GL-16 (-6)	EPA 7470	MERP/8179	EPA 7470	MERC/9244
3090074014	GL-16 (-32)	EPA 7470	MERP/8179	EPA 7470	MERC/9244
3090074015	GL-05 (-25)	EPA 7470	MERP/8179	EPA 7470	MERC/9244
3090074016	GL-05 (-7)	EPA 7470	MERP/8179	EPA 7470	MERC/9244
3090074017	GL-15 (-36)	EPA 7470	MERP/8179	EPA 7470	MERC/9244
3090074018	GL-15 (-6)	EPA 7470	MERP/8179	EPA 7470	MERC/9244
3090074019	GL-19	EPA 7470	MERP/8179	EPA 7470	MERC/9244
3090074001	GL-09 (-2)	EPA 3510	OEXT/14600	EPA 8270	MSSV/4960
3090074005	GL-18 (-3)	EPA 3510	OEXT/14600	EPA 8270	MSSV/4960
3090074007	GL-20 (-5)	EPA 3510	OEXT/14600	EPA 8270	MSSV/4960
3090074009	GL-17 (-31)	EPA 3510	OEXT/14600	EPA 8270	MSSV/4960
3090074010	GL-17 (-1)	EPA 3510	OEXT/14600	EPA 8270	MSSV/4960
3090074001	GL-09 (-2)	EPA 8260	MSV/15654		
3090074002	GL-09 (-20)	EPA 8260	MSV/15654		
3090074003	GL-03 (-16)	EPA 8260	MSV/15654		
3090074004	GL-03 (-3)	EPA 8260	MSV/15654		
3090074005	GL-18 (-3)	EPA 8260	MSV/15654		
3090074006	GL-18 (-33)	EPA 8260	MSV/15654		
3090074007	GL-20 (-5)	EPA 8260	MSV/15654		
3090074008	TS-01 (-7)	EPA 8260	MSV/15654		
3090074009	GL-17 (-31)	EPA 8260	MSV/15662		
3090074010	GL-17 (-1)	EPA 8260	MSV/15662		
3090074011	GL-02 (-29)	EPA 8260	MSV/15662		
3090074012	GL-02 (-5)	EPA 8260	MSV/15662		
3090074013	GL-16 (-6)	EPA 8260	MSV/15662		
3090074014	GL-16 (-32)	EPA 8260	MSV/15662		
3090074015	GL-05 (-25)	EPA 8260	MSV/15662		
3090074016	GL-05 (-7)	EPA 8260	MSV/15662		
3090074017	GL-15 (-36)	EPA 8260	MSV/15662		
3090074018	GL-15 (-6)	EPA 8260	MSV/15662		
3090074019	GL-19	EPA 8260	MSV/15662		
3090074001	GL-09 (-2)	EPA 180.1	WET/17617		
3090074002	GL-09 (-20)	EPA 180.1	WET/17617		
3090074003	GL-03 (-16)	EPA 180.1	WET/17617		
3090074004	GL-03 (-3)	EPA 180.1	WET/17617		
3090074005	GL-18 (-3)	EPA 180.1	WET/17617		
3090074006	GL-18 (-33)	EPA 180.1	WET/17617		
3090074007	GL-20 (-5)	EPA 180.1	WET/17617		
3090074008	TS-01 (-7)	EPA 180.1	WET/17617		
3090074009	GL-17 (-31)	EPA 180.1	WET/17617		
3090074010	GL-17 (-1)	EPA 180.1	WET/17617		
3090074011	GL-02 (-29)	EPA 180.1	WET/17617		
3090074013	GL-16 (-6)	EPA 180.1	WET/17617		
3090074014	GL-16 (-32)	EPA 180.1	WET/17617		
3090074015	GL-05 (-25)	EPA 180.1	WET/17617		
3090074016	GL-05 (-7)	EPA 180.1	WET/17617		
3090074017	GL-15 (-36)	EPA 180.1	WET/17617		

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Grey's Landfill

Pace Project No.: 3090074

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3090074018	GL-15 (-6)	EPA 180.1	WET/17617		
3090074019	GL-19	EPA 180.1	WET/17617		
3090074001	GL-09 (-2)	SM 2320B	WET/17709		
3090074002	GL-09 (-20)	SM 2320B	WET/17709		
3090074003	GL-03 (-16)	SM 2320B	WET/17709		
3090074004	GL-03 (-3)	SM 2320B	WET/17709		
3090074005	GL-18 (-3)	SM 2320B	WET/17709		
3090074006	GL-18 (-33)	SM 2320B	WET/17709		
3090074007	GL-20 (-5)	SM 2320B	WET/17709		
3090074008	TS-01 (-7)	SM 2320B	WET/17709		
3090074009	GL-17 (-31)	SM 2320B	WET/17709		
3090074010	GL-17 (-1)	SM 2320B	WET/17709		
3090074011	GL-02 (-29)	SM 2320B	WET/17709		
3090074013	GL-16 (-6)	SM 2320B	WET/17709		
3090074014	GL-16 (-32)	SM 2320B	WET/17709		
3090074015	GL-05 (-25)	SM 2320B	WET/17709		
3090074016	GL-05 (-7)	SM 2320B	WET/17709		
3090074017	GL-15 (-36)	SM 2320B	WET/17709		
3090074018	GL-15 (-6)	SM 2320B	WET/17709		
3090074019	GL-19	SM 2320B	WET/17709		
3090074001	GL-09 (-2)	SM 2540C	WET/17637		
3090074002	GL-09 (-20)	SM 2540C	WET/17637		
3090074003	GL-03 (-16)	SM 2540C	WET/17637		
3090074004	GL-03 (-3)	SM 2540C	WET/17637		
3090074005	GL-18 (-3)	SM 2540C	WET/17637		
3090074006	GL-18 (-33)	SM 2540C	WET/17637		
3090074007	GL-20 (-5)	SM 2540C	WET/17637		
3090074008	TS-01 (-7)	SM 2540C	WET/17637		
3090074009	GL-17 (-31)	SM 2540C	WET/17637		
3090074010	GL-17 (-1)	SM 2540C	WET/17637		
3090074011	GL-02 (-29)	SM 2540C	WET/17637		
3090074013	GL-16 (-6)	SM 2540C	WET/17637		
3090074014	GL-16 (-32)	SM 2540C	WET/17637		
3090074015	GL-05 (-25)	SM 2540C	WET/17637		
3090074016	GL-05 (-7)	SM 2540C	WET/17637		
3090074017	GL-15 (-36)	SM 2540C	WET/17637		
3090074018	GL-15 (-6)	SM 2540C	WET/17637		
3090074019	GL-19	SM 2540C	WET/17637		
3090074001	GL-09 (-2)	SM 4500-H+B	WET/17624		
3090074002	GL-09 (-20)	SM 4500-H+B	WET/17624		
3090074003	GL-03 (-16)	SM 4500-H+B	WET/17624		
3090074004	GL-03 (-3)	SM 4500-H+B	WET/17624		
3090074005	GL-18 (-3)	SM 4500-H+B	WET/17624		
3090074006	GL-18 (-33)	SM 4500-H+B	WET/17624		
3090074007	GL-20 (-5)	SM 4500-H+B	WET/17624		
3090074008	TS-01 (-7)	SM 4500-H+B	WET/17624		
3090074009	GL-17 (-31)	SM 4500-H+B	WET/17624		

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Grey's Landfill

Pace Project No.: 3090074

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3090074010	GL-17 (-1)	SM 4500-H+B	WET/17624		
3090074011	GL-02 (-29)	SM 4500-H+B	WET/17624		
3090074013	GL-16 (-6)	SM 4500-H+B	WET/17624		
3090074014	GL-16 (-32)	SM 4500-H+B	WET/17624		
3090074015	GL-05 (-25)	SM 4500-H+B	WET/17624		
3090074016	GL-05 (-7)	SM 4500-H+B	WET/17624		
3090074017	GL-15 (-36)	SM 4500-H+B	WET/17624		
3090074018	GL-15 (-6)	SM 4500-H+B	WET/17624		
3090074019	GL-19	SM 4500-H+B	WET/17624		
3090074001	GL-09 (-2)	EPA 9050	WET/17658		
3090074002	GL-09 (-20)	EPA 9050	WET/17658		
3090074003	GL-03 (-16)	EPA 9050	WET/17658		
3090074004	GL-03 (-3)	EPA 9050	WET/17658		
3090074005	GL-18 (-3)	EPA 9050	WET/17658		
3090074006	GL-18 (-33)	EPA 9050	WET/17658		
3090074007	GL-20 (-5)	EPA 9050	WET/17658		
3090074008	TS-01 (-7)	EPA 9050	WET/17658		
3090074009	GL-17 (-31)	EPA 9050	WET/17659		
3090074010	GL-17 (-1)	EPA 9050	WET/17659		
3090074011	GL-02 (-29)	EPA 9050	WET/17659		
3090074013	GL-16 (-6)	EPA 9050	WET/17659		
3090074014	GL-16 (-32)	EPA 9050	WET/17659		
3090074015	GL-05 (-25)	EPA 9050	WET/17659		
3090074016	GL-05 (-7)	EPA 9050	WET/17659		
3090074017	GL-15 (-36)	EPA 9050	WET/17659		
3090074018	GL-15 (-6)	EPA 9050	WET/17659		
3090074019	GL-19	EPA 9050	WET/17659		
3090074001	GL-09 (-2)	EPA 350.1	WETA/12267		
3090074002	GL-09 (-20)	EPA 350.1	WETA/12267		
3090074003	GL-03 (-16)	EPA 350.1	WETA/12267		
3090074004	GL-03 (-3)	EPA 350.1	WETA/12267		
3090074005	GL-18 (-3)	EPA 350.1	WETA/12267		
3090074006	GL-18 (-33)	EPA 350.1	WETA/12267		
3090074007	GL-20 (-5)	EPA 350.1	WETA/12267		
3090074008	TS-01 (-7)	EPA 350.1	WETA/12267		
3090074009	GL-17 (-31)	EPA 350.1	WETA/12267		
3090074010	GL-17 (-1)	EPA 350.1	WETA/12267		
3090074011	GL-02 (-29)	EPA 350.1	WETA/12267		
3090074013	GL-16 (-6)	EPA 350.1	WETA/12267		
3090074014	GL-16 (-32)	EPA 350.1	WETA/12267		
3090074015	GL-05 (-25)	EPA 350.1	WETA/12267		
3090074016	GL-05 (-7)	EPA 350.1	WETA/12267		
3090074017	GL-15 (-36)	EPA 350.1	WETA/12267		
3090074018	GL-15 (-6)	EPA 350.1	WETA/12267		
3090074019	GL-19	EPA 350.1	WETA/12267		
3090074001	GL-09 (-2)	EPA 410.4	WETA/12272		
3090074002	GL-09 (-20)	EPA 410.4	WETA/12272		

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Grey's Landfill

Pace Project No.: 3090074

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3090074003	GL-03 (-16)	EPA 410.4	WETA/12272		
3090074004	GL-03 (-3)	EPA 410.4	WETA/12272		
3090074005	GL-18 (-3)	EPA 410.4	WETA/12273		
3090074006	GL-18 (-33)	EPA 410.4	WETA/12273		
3090074007	GL-20 (-5)	EPA 410.4	WETA/12273		
3090074008	TS-01 (-7)	EPA 410.4	WETA/12273		
3090074009	GL-17 (-31)	EPA 410.4	WETA/12273		
3090074010	GL-17 (-1)	EPA 410.4	WETA/12273		
3090074011	GL-02 (-29)	EPA 410.4	WETA/12273		
3090074013	GL-16 (-6)	EPA 410.4	WETA/12273		
3090074014	GL-16 (-32)	EPA 410.4	WETA/12273		
3090074015	GL-05 (-25)	EPA 410.4	WETA/12273		
3090074016	GL-05 (-7)	EPA 410.4	WETA/12273		
3090074017	GL-15 (-36)	EPA 410.4	WETA/12273		
3090074018	GL-15 (-6)	EPA 410.4	WETA/12273		
3090074019	GL-19	EPA 410.4	WETA/12273		
3090074001	GL-09 (-2)	SM 4500-CI-E	WETA/12240		
3090074002	GL-09 (-20)	SM 4500-CI-E	WETA/12240		
3090074003	GL-03 (-16)	SM 4500-CI-E	WETA/12240		
3090074004	GL-03 (-3)	SM 4500-CI-E	WETA/12240		
3090074005	GL-18 (-3)	SM 4500-CI-E	WETA/12240		
3090074006	GL-18 (-33)	SM 4500-CI-E	WETA/12240		
3090074007	GL-20 (-5)	SM 4500-CI-E	WETA/12240		
3090074008	TS-01 (-7)	SM 4500-CI-E	WETA/12240		
3090074009	GL-17 (-31)	SM 4500-CI-E	WETA/12240		
3090074010	GL-17 (-1)	SM 4500-CI-E	WETA/12240		
3090074011	GL-02 (-29)	SM 4500-CI-E	WETA/12240		
3090074013	GL-16 (-6)	SM 4500-CI-E	WETA/12240		
3090074014	GL-16 (-32)	SM 4500-CI-E	WETA/12240		
3090074015	GL-05 (-25)	SM 4500-CI-E	WETA/12240		
3090074016	GL-05 (-7)	SM 4500-CI-E	WETA/12240		
3090074017	GL-15 (-36)	SM 4500-CI-E	WETA/12268		
3090074018	GL-15 (-6)	SM 4500-CI-E	WETA/12240		
3090074019	GL-19	SM 4500-CI-E	WETA/12268		
3090074001	GL-09 (-2)	ASTM D516-90,02	WETA/12265		
3090074002	GL-09 (-20)	ASTM D516-90,02	WETA/12265		
3090074003	GL-03 (-16)	ASTM D516-90,02	WETA/12265		
3090074004	GL-03 (-3)	ASTM D516-90,02	WETA/12265		
3090074005	GL-18 (-3)	ASTM D516-90,02	WETA/12265		
3090074006	GL-18 (-33)	ASTM D516-90,02	WETA/12265		
3090074007	GL-20 (-5)	ASTM D516-90,02	WETA/12265		
3090074008	TS-01 (-7)	ASTM D516-90,02	WETA/12265		
3090074009	GL-17 (-31)	ASTM D516-90,02	WETA/12265		
3090074010	GL-17 (-1)	ASTM D516-90,02	WETA/12265		
3090074011	GL-02 (-29)	ASTM D516-90,02	WETA/12265		
3090074013	GL-16 (-6)	ASTM D516-90,02	WETA/12265		

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Grey's Landfill

Pace Project No.: 3090074

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3090074014	GL-16 (-32)	ASTM D516-90,02	WETA/12265		
3090074015	GL-05 (-25)	ASTM D516-90,02	WETA/12265		
3090074016	GL-05 (-7)	ASTM D516-90,02	WETA/12265		
3090074017	GL-15 (-36)	ASTM D516-90,02	WETA/12265		
3090074018	GL-15 (-6)	ASTM D516-90,02	WETA/12265		
3090074019	GL-19	ASTM D516-90,02	WETA/12265		
3090074001	GL-09 (-2)	SM 4500-NO2 B	WETA/12209		
3090074002	GL-09 (-20)	SM 4500-NO2 B	WETA/12209		
3090074003	GL-03 (-16)	SM 4500-NO2 B	WETA/12209		
3090074004	GL-03 (-3)	SM 4500-NO2 B	WETA/12209		
3090074005	GL-18 (-3)	SM 4500-NO2 B	WETA/12209		
3090074006	GL-18 (-33)	SM 4500-NO2 B	WETA/12209		
3090074007	GL-20 (-5)	SM 4500-NO2 B	WETA/12209		
3090074008	TS-01 (-7)	SM 4500-NO2 B	WETA/12209		
3090074009	GL-17 (-31)	SM 4500-NO2 B	WETA/12209		
3090074010	GL-17 (-1)	SM 4500-NO2 B	WETA/12209		
3090074011	GL-02 (-29)	SM 4500-NO2 B	WETA/12209		
3090074013	GL-16 (-6)	SM 4500-NO2 B	WETA/12209		
3090074014	GL-16 (-32)	SM 4500-NO2 B	WETA/12209		
3090074015	GL-05 (-25)	SM 4500-NO2 B	WETA/12209		
3090074016	GL-05 (-7)	SM 4500-NO2 B	WETA/12209		
3090074017	GL-15 (-36)	SM 4500-NO2 B	WETA/12209		
3090074018	GL-15 (-6)	SM 4500-NO2 B	WETA/12209		
3090074019	GL-19	SM 4500-NO2 B	WETA/12209		
3090074001	GL-09 (-2)	SM 4500-NO3 F	WETA/12270		
3090074002	GL-09 (-20)	SM 4500-NO3 F	WETA/12270		
3090074003	GL-03 (-16)	SM 4500-NO3 F	WETA/12270		
3090074004	GL-03 (-3)	SM 4500-NO3 F	WETA/12270		
3090074005	GL-18 (-3)	SM 4500-NO3 F	WETA/12270		
3090074006	GL-18 (-33)	SM 4500-NO3 F	WETA/12270		
3090074007	GL-20 (-5)	SM 4500-NO3 F	WETA/12270		
3090074008	TS-01 (-7)	SM 4500-NO3 F	WETA/12270		
3090074009	GL-17 (-31)	SM 4500-NO3 F	WETA/12270		
3090074010	GL-17 (-1)	SM 4500-NO3 F	WETA/12270		
3090074011	GL-02 (-29)	SM 4500-NO3 F	WETA/12270		
3090074013	GL-16 (-6)	SM 4500-NO3 F	WETA/12270		
3090074014	GL-16 (-32)	SM 4500-NO3 F	WETA/12270		
3090074015	GL-05 (-25)	SM 4500-NO3 F	WETA/12270		
3090074016	GL-05 (-7)	SM 4500-NO3 F	WETA/12270		
3090074017	GL-15 (-36)	SM 4500-NO3 F	WETA/12270		
3090074018	GL-15 (-6)	SM 4500-NO3 F	WETA/12270		
3090074019	GL-19	SM 4500-NO3 F	WETA/12270		