Rhode Island Department of Environmental Management

LANDFILL CLOSURE – ROSE HILL LANDFILL SUPERFUND SITE

ANNUAL MONITORING REPORT
Year 5: 2012-2013

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EXECUTIVE SUMMARY

The Year 5 landfill post-closure monitoring and sampling regimen involved four quarterly sampling events conducted between spring 2012 and winter 2013 by The Louis Berger Group, Inc. (Berger) as part of the Long-Term Monitoring (LTM) Work Plan for the Rose Hill Landfill Superfund Site (Site) located in South Kingstown, Rhode Island. Berger conducted first quarter sampling in April 2012, second quarter sampling in July and August 2012, third quarter sampling in October 2012, and fourth quarter sampling in January 2013.

Groundwater

Groundwater monitoring and sampling was conducted in the first and second quarters. Fourteen monitoring wells and four residential wells were sampled in the first quarter; thirteen monitoring wells and three residential wells were sampled in the second quarter as one monitoring well and one residential well was dry and could not be sampled. Samples were analyzed for metals, Volatile Organic Compounds (VOCs) and Semivolatile Organic Compounds (SVOCs). Manganese concentrations exceeded the Project Action Limit (PAL) in 16 samples collected from nine monitoring wells. The VOC vinyl chloride exceeded the PAL in two samples collected during the first quarter. The SVOC bis(2-ethylhexyl)phthalate was detected in a single sample from a monitoring well during the second quarter at a concentration exceeding the PAL.

Surface Water

Surface water field monitoring and sampling was conducted in the first and second quarters. Eight surface water locations were sampled: four sampling locations were located along Mitchell Brook and its unnamed tributary, and four along the Saugatucket River. Samples were analyzed for total metals, dissolved metals, and several other analytes. Aluminum, copper, iron, lead, manganese and zinc were detected above the PALs in one or more samples in both the total and dissolved metals analyses.

Landfill Gas

Landfill gas monitoring and sampling was conducted in all four quarters; this involved field monitoring for methane, hydrogen sulfide (H_2S), and VOCs, and laboratory analysis of air samples for VOCs. Monitoring of methane in landfill gas is undertaken to evaluate potential explosion risks and to determine whether landfill gas may be migrating off-site. Methane presents an explosion risk between its lower explosive limit (LEL) of 5% and its upper explosive limit (UEL) of 15%. The concentration of methane in landfill gas typically ranges from 45%-60%, based on literature values. Field monitoring of the gas flare (GF) detected methane concentrations ranging from 34.0% to 55.8%, with an average concentration of 45.9%. Field monitoring of gas probes, located on and off-site, detected concentrations of methane ranging from 0.0% to 0.3%; the average concentration of methane detected was 0.01%.

Air samples were collected from three off-site gas probes, one on-site gas probe, and the GF during each of the four quarterly sampling events and analyzed for VOCs. The VOCs 1,1-dichloroethane, benzene, chloroform, cis-1,2-dichloroethene, dichloroethene, n-hexane, trans-1,2-dichloroethene, trichloroethene, and vinyl chloride were detected above PALs in one or more samples. Due to the laboratory air sampling results being above the PALs in the first, second, and third quarters, in accordance with the LTM Work Plan, a Screen3 Dispersion Model was conducted on the sampling results from the GF for these quarters. Results of the Screen3 Model concluded that none of the pollutants exceeded the PALs established for the Site. In the future, air dispersion modeling will be performed using the final version of the Aerscreen model released by the United States. Environmental Protection Agency (EPA).

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1.0 INTRODUCTION

This report summarizes the results of Berger's Year 5 quarterly monitoring and sampling regimen completed as part of the LTM Work Plan for the Site. The Site location is shown on Figures 1 and 2 in Appendix A. The Site encompasses approximately 70 acres, and includes: an active solid waste transfer facility zoned as public land; a small area of land zoned for commercial use along Transfer Station Road; and privately owned land which was either formerly used for sand and gravel mining and/or waste disposal, or has remained undeveloped. Land use within one mile of the Site is predominantly agricultural and residential.

The Site consists of three distinct areas formerly used for waste disposal: a solid waste area (SWA), a bulky waste area (BWA), and a sewage sludge area (SSA). The SWA is a 27.7-acre area located immediately east of Rose Hill Road between an unnamed tributary to the Saugatucket River and Mitchell Brook. The BWA is a 9.4-acre area located east of the SWA and southwest of the SSA. The SSA is a 9-acre area located in the northeast section of the Site, between Mitchell Brook and the Saugatucket River. The waste materials within these areas were consolidated within the SWA as part of the landfill remedial action conducted between 2004 and 2007.

1.1 Background Information

Several environmental investigations have been conducted at the Site since 1975; these are summarized in Metcalf & Eddy's 1994 Remedial Investigation (RI) and Feasibility Study (FS) Reports and 1991 RI/FS Work Plan. In 1994, Metcalf & Eddy conducted a RI at the Site for the EPA. The RI investigated the extent of contamination and impact of the Site to public health and the environment. In May 2003, Berger began a quarterly monitoring program as part of the Remedial Design (RD) for Rose Hill Landfill. The results of the 2003-2004 sampling events were presented in Berger's Field Investigation Summary Report (August 2004).

1.2 Objectives

The primary purpose of sampling activities conducted as part of the Remedial Action (RA) post-closure environmental monitoring is to collect additional environmental monitoring data to evaluate the effectiveness of the source control remedy. All monitoring data collected to date will be evaluated and institutional controls, land use, Applicable or Relevant and Appropriate Requirements (ARARs), and other factors potentially affecting the remedy will be reviewed. The additional data on groundwater and surface water will be combined with the extensive database of information collected during the RI/FS and RD.

2.0 SAMPLE COLLECTION

2.1 Groundwater

In accordance with the LTM Plan, Berger personnel conducted groundwater sampling during the first and second quarters. First quarter groundwater sampling was conducted on April 17 and 18, 2012; second quarter sampling was conducted on July 24 and July 25, 2012. The monitoring wells sampled are listed in Table 1 (Appendix B). Monitoring well locations are shown on Figure 3 (Appendix A). As part of the groundwater sampling program, samples were also collected from private, residential wells from the following properties, as identified on Figure 3 (Appendix A): Residence (RES) #7, RES #10, RES #11, and RES #12. Wells were selected for sampling based on historic detections of analytes or proximity to historic detections. Duplicate samples were collected from monitoring wells MW-03-BR, MW-06-DO, and RES #11.

Samples were collected using a peristaltic pump via the EPA's 1996 Low Stress Purging and Sampling Procedure for Collection of Ground Water Samples from Monitoring Wells (Low Flow Method). Monitoring wells MW-07-DO and MW-07-BR were sampled using disposable bailers rather than the peristaltic pump due to difficulty in placing polyethylene tubing down these wells for pumping. MW-07-DO was not sampled in the second quarter as the water table was below the bottom of the well and a sample could not be collected. Residential well samples were collected from accessible spigots. Groundwater samples were preserved and stored in appropriate laboratory containers in accordance with the applicable EPA reference methods. Groundwater samples collected for laboratory analysis were placed in coolers on ice for shipment by courier to Alpha Analytical Laboratories (Alpha Labs) in Westborough, Massachusetts. Groundwater samples were analyzed for metals, VOCs, and SVOCs. Laboratory analytical results for groundwater are provided in Section 3.2 and Table 5 (Appendix B); complete laboratory reports are contained in Appendix E.

Groundwater samples were monitored in the field for the following parameters: pH, conductivity, dissolved oxygen, turbidity, and oxidation-reduction potential (ORP), using a Yellow Spring Instruments YSI Model 6820 multi-parameter meter provided by U.S. Environmental Rental of Waltham, Massachusetts. This instrument was calibrated prior to field use. These field parameters were allowed to stabilize prior to sample collection in accordance with the Low Flow Method prior to groundwater sample collection. The results of field monitoring of groundwater are provided in Table 2 (Appendix B). Field parameters were within the expected range for landfill monitoring of groundwater.

2.2 Surface Water

Berger personnel conducted first quarter surface water sampling between April 17 and April 18, 2012, and second quarter sampling between July 24 and July 25, 2012. Samples were collected at eight locations along Mitchell Brook (samples SW-09, SW-12, and SW-13), an unnamed tributary to Mitchell Brook (sample SW-01), and the Saugatucket River (samples SW-02, SW-04, SW-06, and SW-17), all of which transect the Site. One duplicate sample was collected from

SW-09 during each sampling round. Surface water sampling locations are shown on Figure 4 (Appendix A).

Surface water samples were collected directly into sample containers by placing the containers onto an extended plastic rod to collect the samples from near mid-stream. The surface water samples were preserved and stored in appropriate laboratory containers in accordance with applicable EPA reference methods. Surface water samples collected for laboratory analysis were placed in coolers on ice for shipment by courier to Alpha Labs.

Surface water samples were monitored in the field for pH, conductivity, dissolved oxygen, temperature, and ORP using a Yellow Spring Instruments YSI Model 6820 multi-parameter meter provided by U.S. Environmental Rental. This instrument was calibrated prior to field use. The results of field monitoring of surface water are provided in Table 3 (Appendix B).

Surface water samples were analyzed for total metals, dissolved metals, total organic carbon, cyanide, sulfide, nitrate, nitrogen, ammonia, phosphorus, and hardness. Laboratory analytical results for surface water are provided in Section 3.3 and in Table 6 (Appendix B).

2.3 Landfill Gas

Berger personnel conducted landfill gas monitoring and sampling during all four quarterly sampling rounds. Berger personnel conducted first quarter sampling on April 20, 2012; second quarter sampling on July 20 and August 1, 2012; third quarter sampling on October 18, 2012; and fourth quarter sampling on January 18 and January 25, 2013. Landfill gas was monitored at the gas flare (GF) and 42 gas probes (GP) located both within and outside the SWA. Landfill gas sampling locations are shown on Figure 5 (Appendix A). Landfill gas samples were monitored for methane, carbon dioxide, oxygen, percent lower explosive limit (LEL), and hydrogen sulfide (H_2S) using a LandTek landfill gas meter provided by U.S. Environmental Rental.

The percent of methane in landfill probes ranged from 0.0% to 0.3%, with the highest methane reading occurring in GP-21 during the first quarter. The percent of methane in the gas flare ranged from 34.0% to 55.8%, with an average of 45.9%. The results of landfill gas monitoring are provided in Table 4 (Appendix B). Table 2-1 below presents a summary of landfill gas methane field monitoring.

Table 2-1: Summary of Landfill Gas Field Monitoring Data (Methane)

SAMPLING EVENT	GAS PROBES		GAS FLARE (%)
	MEAN (%)	RANGE (%)	
Q1	0.0	0.0 – 0.3	45.7
Q2	0.0	0.0 – 0.0	47.9
Q3	0.01	0.0 – 0.2	55.8
Q4	0.0	0.0 – 0.0	34.0
Year 5	0.01	0.0 – 0.3	45.9

The amount of VOCs in landfill probes ranged from 0.0 parts per million by volume (ppmv) to 3.6 ppmv, with the highest concentration of VOC detected in GP-06 during second quarter sampling. The concentration of VOCs in the gas flare ranged from 0.0% to 4.2%, with an average concentration of 1.1%. The results of VOC monitoring are provided in Table 4 (Appendix B). Table 2-2 below presents a summary of VOC monitoring.

Table 2-2: Summary of Landfill Gas Field Monitoring Data (VOC)

SAMPLING EVENT	GAS PROBES		GAS FLARE (ppmv)
	MEAN (ppmv)	RANGE (ppmv)	
Q1	0.0	0.0-0.2	4.2
Q2	0.1	0.0-3.6	0.0
Q3	0.0	0.0-0.0	0.0
Q4	0.0	0.0-0.0	0.0
Year 5	0.1	0.0-10.7	1.1

The concentration of H_2S in landfill probes ranged from 0 ppmv to 10 ppmv. The maximum concentration of H_2S was detected in GP-41B during the first quarter. In the gas flare, H_2S concentrations ranged from 0 ppmv to 2 ppmv, with an average of 1 ppmv. The results of H_2S monitoring are provided in Table 4 (Appendix B). Table 2-2 below presents a summary of H_2S monitoring.

Table 2-3: Summary of Landfill Gas Field Monitoring Data (H_2S)

SAMPLING EVENT	GAS PROBES		GAS FLARE (ppmv)
	MEAN (ppmv)	RANGE (ppmv)	
Q1	3	0-10	2
Q2	0	0-0	0
Q3	NR	NR	NR
Q4	0	0-0	1
Year 5	0.7	0-10	1

In addition to the field monitoring described above, a subset of five sample locations were selected for laboratory analysis for VOCs using Summa® canisters for sample collection, in accordance with the sample collection procedures outlined in Berger's Quality Assurance Project Plan. Samples were collected from the gas flare and from gas probes GP-11, GP-16, GP-18, GP-21. A duplicate sample was collected from GP-11; a field blank was also collected. Samples were sent to Alpha Labs for analysis.

3.0 LABORATORY ANALYTICAL RESULTS

3.1 Project Action Limits and Data Quality Assessment

Sampling of environmental media, including groundwater, surface water, and landfill gas was completed as part of the LTM Work Plan. A PAL is presented for each compound on Tables 5 through 7 in Appendix B. The PALs have been identified based on applicable regulatory requirements that are designed to be protective of human health and the environment. There are several regulatory requirements for each medium. The intent of the PAL is not to supersede the risk assessment or remedial action objective processes which are integral parts of developing cleanup standards for the Site, but simply to provide a check that the data produced will meet Project Quantitation Limits (PQLs) for contaminants of concern.

Groundwater: PALs for groundwater are based on Rhode Island Department of Environmental Management (RIDEM) groundwater quality requirements (GA aquifer) and EPA drinking water standards (e.g., Maximum Contaminant Levels). The limits of the SWA, BWA, and SSA have been classified as GB category groundwater by RIDEM.

Surface Water: PALs for surface water are based on RIDEM (2000) Ambient Water Quality Criteria.

Landfill Gas: PALs for landfill gas are based on National Institute for Occupational Safety and Health Recommended Exposure Limit time-weighted averages and RIDEM Air Pollution Control Regulation No. 22 for Air Toxics.

3.2 Groundwater

The results of groundwater quality sampling are summarized in Table 5 in Appendix B. Copies of all laboratory analytical reports are provided in Appendix E. The results from the groundwater sampling were compared to the PALs for groundwater. Groundwater analytical results for each parameter are described below.

3.2.1 Total Metals

Metals detected in groundwater samples included aluminum, antimony, arsenic, barium, cadmium, chromium, lead, manganese, sodium, and zinc. Manganese was detected above the laboratory reporting limit in fourteen monitoring wells and in two residential wells during first quarter sampling, and in thirteen monitoring wells and two residential wells during second quarter sampling. Manganese concentrations exceeded the PAL of 0.3 milligrams per liter (mg/L) in eight monitoring wells in both quarters, with the highest concentration detected during the first quarter sampling round in MW-04-S (3.68 mg/L). The average concentration was 0.86 mg/L in the first quarter and 1.13 mg/L in the second quarter. During the pre-design investigation, manganese was detected in 24 wells and exceeded the PAL in ten wells; the average concentration of manganese was 1.39 mg/L.

Aluminum was detected above the laboratory reporting limit in six monitoring wells and one residential well in the first quarter and in three monitoring wells during the second quarter. The concentration of aluminum did not exceed the PAL of 3.7 mg/L in any of these samples. The highest concentration of aluminum was 0.44 mg/L, in the sample collected from MW-07-DO during first quarter sampling. The average concentration of aluminum was 0.04 mg/L in the first quarter and 0.03 mg/L in the second quarter. In the pre-design field investigation the PAL for aluminum was not exceeded in any of the samples collected, the average concentration of aluminum was 0.08 mg/L.

Antimony was detected above the laboratory reporting limit in three monitoring wells in the first quarter and in nine monitoring wells and three residential wells in the second quarter, at concentrations below the PAL of 0.006 mg/L. Antimony was not detected above the laboratory reporting limit in any of the samples collected during the pre-design investigation; however, the laboratory reporting limit was higher during the pre-design investigation than during Year 5 sampling.

Arsenic was detected above the laboratory limit in seven monitoring wells during both quarters. The concentration of arsenic detected did not exceed the PAL of 0.01 mg/L in any of the samples collected. The average concentration of this metal in both quarters was 0.0005 mg/L. Arsenic was not detected above the laboratory reporting limit in any of the samples collected during the pre-design field investigation; however the laboratory reporting limit during pre-design were higher than the concentrations of arsenic detected in samples during Year 5 sampling.

Barium was detected at concentrations above the laboratory reporting limit in all 14 monitoring wells and in two residential wells in the first quarter; and in all 13 monitoring wells and one residential well in the second quarter. The concentration of barium did not exceed the PAL of 2.0 mg/L in any of the samples collected. The highest concentration detected was 0.08 mg/L in MW-11-S in the first quarter; the average concentration was 0.02 mg/L in both quarters. Barium was not analyzed for during the pre-design investigation.

Cadmium was detected in one monitoring well in both quarters, at concentrations below the PAL of 0.005 mg/L. Cadmium was not detected in the pre-design investigation; however, the laboratory reporting limit during pre-design was set higher than concentrations of this metal detected during Year 5 sampling.

Chromium was detected above the laboratory reporting limit in a single well, MW-07-DO, during the first quarter at a concentration below the PAL of 0.11 mg/L. During the pre-design field investigation, chromium was detected below the PAL in a single well, MW-03-BR. The reporting limit for chromium was higher in pre-design sampling than during Year 5.

Lead was detected at concentrations below the PAL of 0.015 mg/L in one monitoring well and two residential wells during the first quarter, and in one residential well during the second quarter. Lead was not detected above the laboratory reporting limit in any of the samples collected during the pre-design field investigation; the reporting limit, however, was higher during pre-design than during Year 5 sampling.

Zinc was detected above the laboratory reporting limit in twelve monitoring wells and three residential wells in the first quarter; and in all thirteen monitoring wells and two residential wells sampled in the second quarter. The concentration of zinc did not exceed the PAL of 11 mg/L in any sample. The average concentration was 0.02 mg/L in both quarters. In the pre-design investigation, zinc was detected at concentrations below the PAL in samples from two monitoring wells and one residential well.

Sodium was detected in all monitoring and residential wells during both sampling rounds, except for one residential well in the second quarter. Concentrations ranged from 6.8 to 71 mg/L, with an average concentration of 20.6 mg/L in the first quarter and 20.4 mg/L in the second quarter. A PAL has not been established for sodium. During the pre-design investigation, sodium was detected in all wells, with an average concentration of 23.3 mg/L.

Beryllium and thallium were not detected above the laboratory reporting limit in any samples or . during the pre-design investigation. Vanadium was not detected in any samples; this metal was detected in two samples during the pre-design investigation. Table 3-1 below presents a summary of metals testing in groundwater field sampling.

Table 3-1: Summary of Laboratory Analytical Results: Metals in Groundwater

ANALYTE	PAL (mg/L)	MEAN CONCENTRATION[1] (mg/L)							
		Q1		Q2		Year 5		Pre-Design	
		Mean	(#)	Mean	(#)	Mean	(#)	Mean[2]	(#)
Aluminum	3.7	0.04	(7)	0.03	(3)	0.04	(10)	0.08	(8)
Antimony	0.006	0.0004	(3)	0.0012	(12)	0.0008	(15)	<0.0060	(0)
Arsenic	0.01	0.0005	(7)	0.0005	(7)	0.0005	(14)	<0.0040	(0)
Barium	2.0	0.02	(17)	0.02	(14)	0.02	(31)	NA	
Beryllium	0.004	<0.0005	(0)	<0.0005	(0)	<0.0005	(0)	<0.0010	(0)
Cadmium	0.005	0.0001	(1)	0.0003	(1)	0.0002	(2)	<0.0020	(0)
Chromium	0.11	0.0006	(1)	<0.001	(0)	0.0005	(1)	0.0055	(1)
Lead	0.15	0.0007	(3)	0.0006	(1)	0.0006	(4)	<0.0050	(0)
Manganese	0.3	**0.86**	(16)	**1.13**	(15)	**0.99**	(31)	**1.39**	(23)
Sodium	NE	20.6	(18)	20.4	(15)	20.4	(33)	23.3	(33)
Vanadium	0.26	<0.005	(0)	<0.005	(0)	<0.005	(0)	0.0006	(2)
Zinc	11	0.02	(14)	0.02	(16)	0.02	(30)	0.01	(3)

Notes:
[1] Mean concentration calculated from positive results and one-half of laboratory reporting limits for non-detections.
[2] Mean concentration calculated from first and second quarter results from locations sampled both pre-design and post closure.
(#) = Number of positive analytical results
<# = Less than method quantitation limit
Bold Text indicates exceeds PAL
NA – not analyzed

3.2.2 Volatile Organic Compounds

VOCs detected in groundwater samples included 1,1-dichloroethane, benzene, chlorobenzene, chloroethane, cis-1,2-dichloroethane, ethyl ether, methyl tert-butyl ether, trichloroethene, and vinyl chloride.

Vinyl chloride was detected at concentrations above the PAL of 2 mg/L in two of the monitoring wells in the first quarter, with a maximum concentration of 26 mg/L in MW-07-DO, and in one monitoring well in the second quarter. None of the other VOCs were detected at concentrations above PALs.

During the pre-design field investigation, all of the VOCs detected in Year 5 and the additional compounds 1,2,4-trimethylbenzene, 1,2-dichlorobenzene, 1,2-dichloroethane, 1,4-dichlorobenzene, 2-butanone, acetone, ethylbenzene, n-propylbenzene, o-xylene, p/m-xylene, tetrahydrofuran, toluene, and trans-1,2-dichloroethene were detected. In the pre-design investigation, concentrations of 1,1-dichloroethane, benzene, trichloroethene, and vinyl chloride were detected in concentrations above PALs in one or more monitoring wells.

A summary of VOCs detected in groundwater field sampling is presented in Table 3-2.

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Table 3-2: Summary of Laboratory Analytical Results: VOCs in Groundwater

ANALYTE	PAL (µg/L)	MEAN CONCENTRATION[1] (µg/L)							
		Q1		Q2		Year 5		Pre-Design	
		Mean	(#)	Mean	(#)	Mean	(#)	Mean[2]	(#)
1,1-Dichloroethane	800	0.66	(4)	0.85	(5)	0.75	(9)	1.55	(14)
1,2-Dichlorobenzene	600	<2.50	(0)	<2.50	(0)	<2.50	(0)	1.29	(1)
1,2-Dichloroethane	5	<0.50	(0)	<0.50	(0)	<0.50	(0)	0.27	(2)
1,4-Dichlorobenzene	75	<2.50	(0)	<2.50	(0)	<2.50	(0)	1.69	(4)
Benzene	5	0.29	(1)	0.31	(2)	0.30	(3)	1.62	(15)
Chlorobenzene	100	0.38	(3)	0.35	(2)	0.37	(5)	2.20	(14)
Chloroethane	21,000	0.69	(1)	1.11	(4)	0.89	(5)	13.0	(12)
Cis-1,2-Dichloroethene	70	2.39	(3)	0.53	(2)	1.52	(5)	1.86	(9)
Ethyl ether	1,200	1.70	(2)	1.33	(1)	1.52	(3)	6.10	(16)
Isopropylbenzene	660	<0.50	(0)	<0.50	(0)	<0.50	(0)	0.44	(10)
Methyl tert-butyl ether	12	0.57	(1)	<1.00	(0)	0.54	(1)	0.69	(6)
n-Propylbenzene	NE	<0.50	(0)	<0.50	(0)	<0.50	(0)	0.30	(5)
o-Xylene	1400	<1.00	(0)	<1.00	(0)	<1.00	(0)	0.39	(5)
p/m-Xylene	1400	<1.00	(0)	<1.00	(0)	<1.00	(0)	0.36	(2)
Tetrahydrofuran	8.8	<5.00	(0)	<5.00	(0)	<5.00	(0)	6.85	(2)
Toluene	1000	<0.75	(0)	<0.75	(0)	<0.75	(0)	0.42	(2)
Trichloroethene	5	0.57	(1)	<0.50	(0)	0.42	(1)	0.30	(4)
Vinyl Chloride	2	**2.28**	(2)	0.94	(1)	**2.19**	(3)	**3.55**	(8)

Notes:
[1] Mean concentration calculated from positive results and one-half of laboratory reporting limits for non-detections
[2]Mean concentration calculated from first and second quarter results from locations sampled both pre-design and post closure. (#) = Number of positive analytical results
< # =Less than the laboratory reporting limit
Bold Text indicates exceeds PAL
<MQL – Less than laboratory reporting limit
NE- None Established

3.2.3 Semi-Volatile Organic Compounds

The SVOC bis(2-ethylhexyl)phthalate was detected in a two monitoring wells during the first quarter. The concentration exceeded the PAL of 6 µg/L in MW-06-DO (22 µg/L). This analyte was not detected during second quarter sampling. During the pre-design field investigation, bis(2-ethylhexyl)phthalate was detected at concentrations exceeding the PAL of 6 µg/L in monitoring wells MW-07-DO (92 µg/L), MW-07-BR (16 µg/L), and MW-12-DO (11 µg/L).

No other SVOCs were detected in groundwater samples collected during the first or second quarters. For several analytes, the reporting limit was set higher than the PAL.

3.3 Surface Water

The results of surface water quality sampling are summarized in Table 6 in Appendix B. Copies of all laboratory analytical reports are provided in Appendix E. The results from the surface water sampling were compared to the PALs for surface water. Surface water analytical results for each parameter are described below.

3.3.1 Total Metals

Total metals detected in surface water samples included aluminum, chromium, copper, iron, lead, manganese, nickel, and zinc. Concentrations of aluminum, copper, iron, lead, manganese, and zinc exceeded PALs in one or more samples

Mitchell Brook

The four samples collected from Mitchell Brook (SW-13, SW-09, and SW-12) and the unnamed tributary to Mitchell Brook (SW-01) had detectable concentrations of aluminum, arsenic, chromium, copper, iron, lead, manganese, nickel, and zinc. Aluminum, copper, iron, lead, manganese, an zinc were detected at concentrations above PALs in one or more samples.

Aluminum was detected above the laboratory reporting limit in all samples. The concentration of this metal exceeded the PAL of 87 micrograms per liter (µg/L) in two samples collected during the first quarter and in one samples collected during the second quarter. The highest concentration detected was 390 µg/L in sample SW-13 during the second quarter; the average concentration of aluminum increased from 120 µg/L to 138 µg/L between the first and second quarters. In the pre-design investigation, aluminum was detected in all samples, and above the PAL in six samples, with an average concentration of 171 µg/L.

Arsenic was detected in a single sample, SW-01, during both the first and second quarters at concentrations below the PAL of 150 µg/L. Arsenic was not detected above the laboratory reporting limit in any samples during the pre-design investigation. The laboratory reporting limits for arsenic during the pre-design investigation were higher than the concentrations detected during Year 5 sampling.

Chromium was detected at concentrations below the PAL of 16 µg/L in a single sample during the first quarter, downstream sample SW-12s. This metal was not detected during the pre-design investigation; however, the laboratory reporting limit was higher during the pre-design investigation than Year 5 sampling.

Copper was detected in all samples; the concentration of copper exceeded the PAL of 1.8 µg/L in three samples collected during each quarter. The maximum concentration of this analyte detected was 4.4 µg/L, collected from downstream sample SW-12 during second quarter sampling. Copper was not detected during the pre-design investigation; however, the laboratory reporting

limits for the pre-design were higher than the concentrations of this metal detected during the Year 5 sampling.

Iron was detected in all samples collected. The concentration of iron exceeded the PAL of 1,000 µg/L in one sample collected in the first quarter and in two samples collected during the second quarter, with a maximum concentration of 2,840 µg/L detected in downstream sample SW-12 during the first quarter. The average concentration of iron increased from 982 µg/L to 1,111 µg/L between sampling rounds. In the pre-design investigation, iron was detected above the PAL in four samples, with the highest concentration of 3,800 µg/L occurring in a sample from SW-12, the furthest downstream sampling location; the average concentration of iron was 1,569 µg/L.

Lead was detected in three samples during both quarters. The concentration of lead exceeded the PAL of 0.3 µg/L all samples in which it was detected; in addition, the laboratory reporting limit was higher than the PAL. The highest concentration detected was 24.2 µg/L in the unnamed tributary sample SW-01 during the second quarter. In the pre-design investigation, lead was detected in both samples from SW-01 at concentrations above the PAL. However, the laboratory reporting limit for lead during the pre-design was higher than the PAL, so it is possible that the PAL was also exceeded in other samples.

Manganese was detected above the laboratory reporting limit in all samples. The concentration of manganese exceeded the PAL of 300 µg/L in samples collected from SW-01 and SW-12 during the second quarter. The highest concentration, 556 µg/L, was detected in downstream sample SW-12. The average concentration of manganese increased from 90.9 µg/L in the first quarter to 196 µg/L in the second quarter. During the pre-design investigation, manganese was detected above the PAL in four samples and below the PAL in all other samples; the average concentration was 230 µg/L.

Nickel was detected below the PAL of 100 µg/L in three samples in the first quarter and in two samples during the second quarter. The highest concentration of nickel detected was 2.0 µg/L in SW-09 during the first quarter. During the pre-design investigation nickel was not detected in any samples; the laboratory reporting limits for the pre-design were higher than the concentrations of this metal detected during the Year 5 sampling.

Zinc was detected above the laboratory reporting limit in all samples collected. Concentrations exceeded the PAL of 24 µg/L in all samples, except for SW-01 during the first quarter. The maximum concentration detected was 209 µg/L in SW-09 in the second quarter. Zinc was detected below the PAL in one of the samples from SW-09 during the pre-design investigation.

Cadmium and silver were not detected in any samples; these metals were also not detected during the pre-design investigation.

A summary of metals detected in Mitchell Brook is presented in Table 3-3 below.

Table 3-3: Summary of Laboratory Analytical Results: Total Metals in Surface Water (Mitchell Brook)

ANALYTE	PAL (µg/L)	MEAN CONCENTRATION[1] (µg/L)							
		Q1		Q2		Year 5		Pre-Design	
		Mean	(#)	Mean	(#)	Mean	(#)	Mean	(#)
Aluminum	87	**120**	(4)	**138**	(4)	**129**	(8)	**171**	(7)
Arsenic	150	0.39	(1)	0.44	(1)	0.41	(2)	<4.00	(0)
Chromium	16	0.85	(1)	<1.00	(0)	0.73	(1)	<10.0	(0)
Copper	1.8	**2.45**	(4)	**3.30**	(4)	**2.88**	(8)	**<10.0**	(0)
Iron	1,000	982	(4)	**1,239**	(4)	**1,110**	(8)	**1,569**	(8)
Lead	0.3	**7.05**	(3)	**6.95**	(3)	**7.00**	(6)	**7.31**	(2)
Manganese	300	90.9	(4)	**301**	(4)	196	(8)	230	(8)
Nickel	100	1.31	(3)	0.60	(2)	0.96	(5)	<10.0	(0)
Zinc	24	**82.9**	(4)	**82.4**	(4)	**82.7**	(8)	6.88	(1)

Notes:
[1] Mean concentration calculated from positive results and one-half of laboratory reporting limits for non-detections.
[2]Mean concentration calculated from first and second quarter positive results from locations sampled both pre-design and post closure.
(#) = Number of positive analytical results
<# = Less than laboratory reporting limit
Bold Text indicates exceeds PAL

Saugatucket River

Samples collected from the four Saugatucket River sampling locations (SW-02, SW-04, SW-17, and SW-06), had detectable concentrations of aluminum, arsenic, copper, iron, lead, manganese, nickel, and zinc. Concentrations of aluminum, copper, iron, lead, manganese, and zinc exceeded PALs in one or more samples.

Aluminum was detected above the laboratory reporting limit in all sample. The concentration of this metal exceeded the PAL of 87 µg/L in two samples collected during the first quarter and in three of the samples collected during the second quarter. The highest concentration detected was 262 µg/L in sample SW-02, the furthest upstream sample, during the first quarter. The average concentration of aluminum increased from 136 µg/L to 148 µg/L between the first and second quarters. In the pre-design investigation, aluminum was detected above the PAL in all eight samples; the highest concentration was from a sample taken at SW-02 (740 µg/L). The average concentration of aluminum in the pre-design investigation was 269 µg/L.

Arsenic was detected in one sample collected during the first quarter at a concentration below the PAL of 150 µg/L (SW-02). Arsenic was not detected in any samples during the pre-design investigation, however, the laboratory reporting limit was higher than in Year 5 sampling.

Copper was detected in all samples. The concentration of copper exceeded the PAL of 1.8 µg/L in two samples collected during the first quarter and in three samples collected during the second quarter. The maximum concentration of this analyte detected was 3.5 µg/L, collected from SW-17 during first quarter sampling. The average concentration of copper increased from 2.15 µg/L to 2.35 µg/L between the two sampling rounds. This analyte was not detected during the pre-design investigation; however, the laboratory reporting limit for copper was higher during the pre-design investigation than the concentrations detected during the current round of sampling.

Iron was detected in all samples. The concentration of iron exceeded the PAL of 1,000 µg/L in three samples collected during the second quarter. The average concentration of iron increased from 459 µg/L to 1,227 µg/L between sampling rounds. In the pre-design investigation, iron was detected in all samples, and above the PAL two samples, with the highest concentration of 4,600 µg/L occurring in a sample from SW-06. The average concentration of iron was 1,075 µg/L.

Lead was detected in two samples during the first quarter and in four samples during the second quarter. The concentration of lead exceeded the PAL of 0.3 µg/L in all samples in which it was detected; the maximum concentration of lead detected was 4.0 µg/L, in SW-04 during second quarter sampling. The laboratory reporting limit for lead was 0.5 µg/L, higher than the PAL, so it is possible the PAL may have also been exceeded in other samples. In the pre-design investigation, lead was not detected in any samples; however, the laboratory reporting limit during the pre-design investigation was set higher than the concentrations detected during this sampling round.

Manganese was detected above the laboratory reporting limit in all samples. The concentration of manganese exceeded the PAL of 300 µg/L in two samples collected during the second quarter, with the highest concentration detected in SW-04 (623 µg/L). The average concentration of manganese increased from 135 µg/L in the first quarter to 271 µg/L in the second quarter. During the pre-design investigation, manganese was detected in all samples. The concentration of manganese exceeded above the PAL in one sample collected from SW-06 (370 µg/L); the average concentration was 114 µg/L.

Nickel was detected below the PAL of 100 µg/L in three samples during both quarters. The highest concentration of nickel detected was 1.9 µg/L in SW-04 during the second quarter. During the pre-design investigation nickel was not detected in any samples; the laboratory reporting limits for the pre-design were higher than the concentrations of this metal detected during Year 5 sampling.

Zinc was detected above the PAL of 24 µg/L in all samples. The maximum concentration detected was 816 µg/L, in upstream SW-04 during the first quarter; the average concentration decreased from 242 µg/L to 72.9 µg/L between the first and second quarter. Zinc was detected below the PAL in one of the samples from SW-04 during the pre-design investigation; the PAL for zinc during pre-design was higher than during Year 5 sampling.

Cadmium, chromium, and silver were not detected in any samples. These metals were also not detected during the pre-design investigation, however, laboratory reporting limits were higher in

the pre-design investigation than during Year 5 sampling. A summary of total metals detected in the Saugatucket is presented in Table 3-4 below.

Table 3-4: Summary of Laboratory Analytical Results: Total Metals in Surface Water (Saugatucket River)

ANALYTE	PAL (µg/L)	MEAN CONCENTRATION[1] (µg/L)							
		Q1		Q2		Year 5		Pre-Design	
		Mean	(#)	Mean	(#)	Mean	(#)	Mean	(#)
Aluminum	87	**136**	(4)	**148**	(4)	**142**	(8)	**269**	(8)
Arsenic	150	0.33	(1)	<0.50	(0)	0.29	(1)	<4.0	(0)
Copper	1.8	**2.15**	(4)	**2.35**	(4)	**2.25**	(8)	**<10**	(0)
Iron	1,000	459	(4)	**1,994**	(4)	**1,227**	(8)	**1,075**	(8)
Lead	0.3	**1.05**	(2)	**2.35**	(4)	**1.70**	(6)	**<5.00**	(0)
Manganese	300	168	(4)	**374**	(4)	271	(8)	114	(8)
Nickel	100	0.70	(3)	1.10	(3)	0.90	(6)	<10	(0)
Zinc	24	**242**	(4)	**72.9**	(4)	**157**	(8)	5.63	(1)

Notes:
[1] Mean concentration calculated from positive results and one-half of laboratory reporting limits for non-detections.
[2]Mean concentration calculated from first and second quarter positive results from locations sampled both pre-design and post closure.
(#) = Number of positive analytical results
<# = Less than laboratory reporting limit
Bold Text indicates exceeds PAL

3.3.2 Dissolved Metals

Dissolved metals detected in surface water samples included aluminum, arsenic, cadmium, copper, iron, lead, manganese, nickel, and zinc. Concentrations of copper, manganese, and zinc exceeded PALs in one or more samples.

Mitchell Brook

Samples collected from the Mitchell Brook sampling locations (SW-13, SW-09, and SW-12) and the unnamed tributary to Mitchell Brook (SW-01) had detectable concentrations of aluminum, arsenic, copper, iron, lead, manganese, nickel, and zinc. Concentrations of aluminum, copper, iron, lead, manganese, and zinc exceeded PALs in one or more samples.

Aluminum was detected in all samples in the first quarter and in three samples in the second quarter. The concentration of this metal was above the PAL of 87 µg/L in samples collected from SW-13 during both quarters, with a maximum concentration of 462 µg/L detected in the first quarter. The average concentration of aluminum detected decreased from 147 µg/L in the first quarter to 112 µg/L in the second quarter. In the pre-design investigation, aluminum exceeded the

PAL in one or more samples from all wells except SW-01, with the highest concentration (420 µg/L) occurring in one of the samples from SW-12, with an average concentration of 171 µg/L.

Arsenic was detected in one sample in the first quarter and in two samples ing the second quarter. The concentration of arsenic detected in these samples was below the PAL of 150 µg/L. In the pre-design investigation, arsenic was not detected.

Copper was detected in all samples. The concentration of copper exceeded the PAL of 1.8 µg/L in two samples during both quarters; the highest concentration detected was 5.8 µg/L, detected in SW-13 during the first quarter. During the pre-design investigation, copper was detected at a concentration above the PAL in one sample.

Iron was detected in all samples. The concentration of iron exceeded the PAL of 1,000 µg/L in SW-01 during the second quarter, at a concentration of 1,210 µg/L. The average concentration of iron increased from 346 µg/L to 471 µg/L between the two sampling rounds. During the pre-design investigation, iron was detected above the PAL in samples from three locations, with an average concentration of 401 µg /L.

Lead was detected in three samples in the first quarter and one sample in the second quarter. The concentration of lead exceeded the PAL of 0.3 µg/L in all samples in which it was detected. The maximum concentration of lead detected was 15.5 µg/L, collected during first quarter sampling from SW-13, located upstream of the site. In addition, the laboratory reporting limit was higher than the PAL. During the pre-design investigation lead was detected at concentrations above the PAL in three samples from two locations. The laboratory reporting limit during both this round of sampling and during pre-design was above the PAL.

Manganese was detected in all samples collected. The concentration of manganese detected exceeded the PAL of 300 µg/L in the SW-12 sample collected during the second quarter (513 µg/L). The average concentration of manganese increased from 122 µg/L to 187 µg/L between the first and second quarters. During the pre-design investigation manganese was detected above the PAL in three samples; the average concentration was 179 µg/L.

Nickel was detected below the PAL of 100 µg/L in four samples in the first quarter and in two samples during the second quarter. The highest nickel concentration was 2.5 µg/L in SW-13 during the first quarter. Nickel was not detected in any samples during the pre-design investigation.

Zinc was detected in all samples. The concentration of zinc exceeded the PAL of 24 µg/L in three samples during both quarters; the maximum concentration detected was 699 during the second quarter. During the pre-design investigation, zinc was detected at concentrations below the PAL in one sample from SW-09 and two samples from SW-12.

Cadmium, chromium and silver were not detected in any samples during this sampling round or during the pre-design investigation. The laboratory reporting limit for cadmium was higher than the PAL during Year 5 sampling and pre-design. A summary of dissolved metals detected in Mitchell Brook is presented in Table 3-5 below.

Table 3-5: Summary of Laboratory Analytical Results: Dissolved Metals in Surface Water (Mitchell Brook)

ANALYTE	PAL (µg/L)	MEAN CONCENTRATION[1] (µg/L)							
		Q1		Q2		Year 5		Pre-Design	
		Mean	(#)	Mean	(#)	Mean	(#)	Mean[2]	(#)
Aluminum	87	**147**	(4)	65.7	(4)	**112**	(8)	**171**	(7)
Arsenic	150	0.34	(1)	0.55	(2)	0.44	(3)	**<4.00**	(0)
Copper	1.8	**2.70**	(4)	**2.40**	(4)	**2.55**	(8)	**5.62**	(1)
Iron	1,000	346	(4)	471	(4)	408	(8)	401	(7)
Lead	0.3	**5.48**	(2)	**2.75**	(3)	**4.11**	(5)	**11.0**	(3)
Manganese	300	122	(4)	187	(4)	154	(8)	179	(7)
Nickel	100	1.50	(4)	0.78	(4)	1.14	(8)	<10	(0)
Zinc	24	**54.3**	(4)	**34.3**	(4)	**44.3**	(8)	8.13	(3)

Notes:
[1] Mean concentration calculated from positive results and one-half of laboratory reporting limits for non-detections.
[2] Mean concentration calculated from first and second quarter e results from locations sampled both pre-design and post closure.
(#) = Number of positive analytical results
<# = Less than laboratory reporting limit
Bold Text indicates exceeds PAL

Saugatucket River

Samples collected from the four Saugatucket River sampling locations (SW-02, SW-04, SW-17, and SW-06) had detectable concentrations of aluminum, copper, iron, manganese, nickel, and zinc. Concentrations of copper, manganese, and zinc exceeded the PAL in one or more samples.

Aluminum was detected in all samples at concentrations below the PAL of 87 µg/L. The average concentration of aluminum detected decreased from 68.8 µg/L in the first quarter to 15.3 µg/L in the second quarter. In the pre-design investigation, aluminum was detected in six samples; the concentration of aluminum exceeded the PAL in three samples. The highest concentration (230 µg/L) occurred in one of the samples from SW-04; the average concentration was 119 µg/L.

Copper was detected in three samples in the first quarter and in all four samples in the second quarter. The concentration of copper exceeded the PAL of 1.8 µg/L in two samples in the first quarter and one sample in the second quarter; the highest concentration detected was 3.7 µg/L in the SW-17 sample during the first quarter. The average concentration of copper detected decreased from 2.00 µg/L to 1.63 µg/L between the first and second quarters. During the pre-design investigation, copper was detected in a single sample, SW-06, at a concentration above the PAL (10.0 µg/L).

Iron was detected in all samples. The concentration of iron did not exceed the PAL of 1,000 µg/L in any of the samples collected. The average concentration of iron decreased from 286 µg/L to 202 µg/L between the two sampling rounds. During the pre-design investigation, iron was detected in seven samples at concentrations below the PAL, with an average concentration of 293 µg/L.

Manganese was detected in all samples collected. The concentration of manganese detected exceeded the PAL of 300 µg/L in the sample collected from SW-04 during the second quarter (409 µg/L). The average concentration of manganese increased from 135 µg/L to 203 µg/L between the first and second quarters. During the pre-design investigation manganese was detected in all samples; the PAL was exceeded in one sample from SW-06 (330 µg/L). The average concentration of manganese in the pre-design investigation was 100 µg/L.

Nickel was detected below the PAL of 100 µg/L in all samples in the first quarter and in two samples in the second quarter. The highest nickel concentration was 1.1 µg/L in SW-17 during second quarter sampling. The average nickel concentration was 0.80 µg/L in the first quarter and 0.68 µg/L in the second quarter. Nickel was not detected in any samples during the pre-design investigation.

Zinc was detected in all four samples in the first quarter and in three samples in the second quarter. The concentration of zinc exceeded the PAL of 24 µg/L in three samples in the first quarter and one sample in the second quarter. The highest concentration of zinc was 666 µg/L, detected in SW-04 during first quarter sampling. The average zinc concentration decreased from 196 µg/L to 19.0 µg/L between sampling rounds. During the pre-design investigation, zinc was detected at concentrations below the PAL in one sample from SW-04.

Arsenic, cadmium, chromium, lead, and silver were not detected in any samples. These metals were also not detected in any samples during the pre-design investigation.

A summary of dissolved metals detected in the Saugatucket River is presented in Table 3-6 below.

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Table 3-6: Summary of Laboratory Analytical Results: Dissolved Metals in Surface Water (Saugatucket River)

ANALYTE	PAL (mg/L)	MEAN CONCENTRATION[1] (mg/L)							
		Q1		Q2		Year 5		Pre-Design	
		Mean	(#)	Mean	(#)	Mean	(#)	Mean[2]	(#)
Aluminum	87	68.8	(4)	15.3	(3)	45.9	(7)	**119**	(6)
Copper	1.8	**2.00**	(3)	1.63	(4)	**1.81**	(7)	**5.63**	(1)
Iron	1,000	286	(4)	202	(4)	244	(8)	293	(7)
Manganese	300	135	(4)	203	(4)	169	(8)	100	(8)
Nickel	100	0.80	(4)	0.68	(2)	0.74	(6)	<10.0	(0)
Zinc	24	**196**	(4)	19.0	(3)	**107**	(7)	5.63	(1)

Notes:
[1] Mean concentration calculated from positive results and one-half of laboratory reporting limits for non-detections.
[2] Mean concentration calculated from first and second quarter results from locations sampled both pre-design and post closure.
(#) = Number of positive analytical results
<# = Less than laboratory reporting limit
Bold Text indicates exceeds PAL

3.3.3 Other Analytes

Mitchell Brook

Total organic carbon (TOC) was detected in all surface water samples. The highest concentration of 7.6 mg/L was detected in sample SW-01, the unnamed tributary to Mitchell Brook located upstream of the landfill, during the second quarter. The average concentration of TOC was 4.75 mg/L in the first quarter and 5.20 mg/L in the second quarter. No PAL has been established for TOC. In the pre-investigation phase, TOC was detected in all samples, with the highest concentration of 10.0 mg/L occurring in a sample collected at SW-12.

Ammonia was detected in three samples during the first quarter and in four samples during the second quarter sampling. No PAL has been established for ammonia. The highest concentration detected was 0.72 mg/L in SW-12 during the second quarter. During the pre-design investigation ammonia was detected in four samples collected from SW-09 and SW-012.

Nitrate was detected in all samples except for SW-09 in the first quarter. The concentration of nitrate did not exceed the PAL (10 mg/L) in any sample; the maximum concentration detected was 1.0 mg/L in SW-13 during the second quarter. The average concentration of nitrate was lower in the first quarter (0.33 mg/L) than in the second (0.64 mg/L). Nitrate was detected at concentrations below the PAL in two samples during the pre-design investigation.

Phosphorus was detected in all samples. The maximum concentration of phosphorus detected was 0.14 mg/L, detected during the second quarter in SW-13. A PAL has not been established for

phosphorus. The average concentration of phosphorus increased from 0.04 mg/L to 0.08 mg/L between sampling rounds. No data for phosphorus are available from the pre-design investigation.

Cyanide was not detected in any samples collected during Year 5 sampling or during the pre-design investigation.

Sulfide was not detected in any samples; no information for sulfide is available from the pre-design investigation.

A summary of other analytes detected in Mitchell Brook sampling is presented in Table 3-7 below.

Table 3-7: Summary of Laboratory Analytical Results: Other Analytes (Mitchell Brook)

ANALYTE	PAL (mg/L)	MEAN CONCENTRATION[1] (mg/L)							
		Q1		Q2		Year 5		Pre-Design	
		Mean	(#)	Mean	(#)	Mean	(#)	Mean	(#)
TOC	NE	4.75	(4)	5.20	(4)	4.98	(8)	5.71	(8)
Ammonia	NE	0.19	(3)	0.32	(4)	0.26	(7)	0.41	(4)
Nitrate	10	0.33	(3)	0.64	(4)	0.48	(7)	0.08	(2)
Phosphorus	NE	0.04	(4)	0.08	(4)	0.06	(8)	NA	
Hardness	NE	14.8	(4)	21.0	(4)	17.9	(8)	NA	

Notes:
[1] Mean concentration calculated from positive results and one-half of laboratory reporting limits for non-detections.
[2] Mean concentration calculated from first and second quarter results from locations sampled both pre-design and post closure.
(#) = Number of positive analytical results
TOC = Total Organic Carbon
NE = not established
NA = not analyzed

Saugatucket River

TOC was detected in all samples. The highest concentration, 6.1 mg/L, was detected in sample SW-04 during the first quarter. No PAL has been established for TOC. The average concentration of TOC decreased from 5.25 mg/L to 3.35 mg/L between sampling rounds. In the pre-investigation phase, TOC was detected in all samples, with the highest concentration of 10.0 mg/L occurring at SW-04.

Ammonia was detected in all samples. No PAL has been established for ammonia. The highest concentration detected was 0.60 mg/L in SW-06 during the second quarter. Ammonia was detected in four samples during the pre-design investigation

Nitrate was detected in all samples. The concentration of nitrate did not exceed the PAL (10 mg/L) in any sample; the maximum concentration detected was 1.0 mg/L in SW-17 during the first quarter. The average concentration of nitrate was lower in the first quarter (0.82 mg/L) than in the second (0.91 mg/L). Nitrate was detected at concentrations below the PAL in all but one sample collected during the pre-design investigation; the average concentration was 0.39 mg/L.

Phosphorus was detected in all samples. The maximum concentration of phosphorus detected was 0.09 mg/L, detected during the second quarter in SW-4; a PAL has not been established for phosphorus. The average concentration of phosphorus increased from 0.04 mg/L to 0.06 mg/L between sampling rounds. No data for phosphorus are available from the pre-design investigation.

Cyanide was not detected in any samples collected during Year 5 sampling or during the pre-design investigation.

Sulfide was not detected in any samples; no information for sulfide is available from the pre-design investigation.

A summary of other analytes detected in the Saugatucket River is presented in Table 3-8 below.

Table 3-8: Summary of Laboratory Analytical Results: Other Analytes (Saugatucket River)

ANALYTE	PAL (mg/L)	MEAN CONCENTRATION[1] (mg/L)							
		Q1		Q2		Year 5		Pre-Design	
		Mean	(#)	Mean	(#)	Mean	(#)	Mean[2]	(#)
TOC	NE	5.25	(4)	3.35	(4)	5.09	(8)	6.14	(8)
Ammonia	NE	0.24	(4)	0.29	(4)	0.15	(8)	0.36	(5)
Nitrate	10	0.82	(4)	0.91	(4)	0.78	(8)	0.38	(8)
Phosphorus	NE	0.04	(4)	0.06	(4)	0.03	(8)	NA	
Hardness	NE	20.50	(4)	27.50	(4)	20.4	(8)	NA	

Notes:
[1] Mean concentration calculated from positive results and one-half of laboratory reporting limits for non-detections.
[2] Mean concentration calculated from first and second results from locations sampled both pre-design and post closure.
(#) = Number of positive analytical results
TOC = Total Organic Carbon
NE = not established
NA = not analyzed

3.4 Landfill Gas

The results of landfill gas quality sampling are summarized in Table 7 in Appendix B. Copies of all laboratory analytical reports are provided in Appendix D. The results from the landfill gas sampling were compared to the PALs for landfill gas; analytical results are described below.

3.4.1 Volatile Organic Compounds

The VOCs detected in landfill gas samples included 1,1,1-trichloroethane, 1,1-dichloroethane, 1-1-dichloroethene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 2-butanone, benzene, carbon disulfide, chloroethane, chloroform, chloromethane, cis-1,2-dichloroethene, cyclohexane, dichlorodifluoromethane, ethylbenzene, Freon-113, Freon-114, methylene chloride, n-hexane, o-xylene, p/m-xylene, propylene, styrene, toluene, trans-1,2-dichloroethene, trichloroethene, trichlorofluoromethane, and vinyl chloride.

The analyte 1,1-dichloroethane was detected in two GF samples at concentrations above the PAL of 0.1 parts per million by volume (ppbv), with a maximum concentration of 154 ppbv detected in the second quarter. The laboratory reporting limit was higher than the PAL, so there were potentially other PAL exceedences.

Benzene was detected in fifteen samples. The concentration detected exceeded the PAL of 9 ppbv in the GF sample collected during the second quarter (124 ppbv). The average concentration of benzene was 8.31 ppbv.

Chloroform was detected in one sample, GP-11 in the second quarter, at a concentration of 0.584 ppbv, above the PAL of 0.04. For the remaining samples, the laboratory limit was set above the PAL; therefore, there is the potential that the PAL was exceeded in other samples.

The VOC cis-1,2-dichloroethene was detected in two samples. The concentration detected in the GF sample during the second quarter sampling was 8,630 ppbv, above the PAL of 200 ppbv.

Dichlorodifluoromethane was detected in 18 samples. The concentration exceeded the PAL of 100 ppbv in the sample collected from the GF during the second quarter (170 ppbv). The average concentration detected over all four sampling events was 9.11 ppbv.

N-hexane was detected in 15 samples; the concentration detected exceeded the PAL of 50 ppbv in the sample collected from GF in the second quarter (753 ppbv). The average concentration of n-hexane for all quarters was 45.4 ppbv.

The VOC trans-1,2-dichloroethene was detected in a single sample, GF during second quarter sampling. The concentration detected was 42.2 ppbv, above the PAL of 20 ppbv.

Trichloroethene was detected in the GF sample during second quarter sampling at a concentration of 6,650 ppbv, above the PAL of 90 ppbv. This analyte was not detected in any other samples.

The potential occupational carcinogen vinyl chloride was detected in five samples, and exceeded the PAL of 40 ppbv in two GF samples. The highest concentration detected was 11,300 ppbv, during second quarter sampling. The average concentration of vinyl chloride detected was 571 ppbv.

The VOCs toluene was detected in 15 samples, carbon disulfide in 12 samples; trichlorofluoromethane in 10; cyclohexane in 7; 1,2,4-trimethylbenzene and chloroethane in 6;

p/m-xylene in 5; o-xylene in 4; 1,1,1-trichloroethane in 3; ethylbenzene in 2; 1,1-dichloroethene, 1,3,5-trimethylbenzene, methyl tert-butyl ether, styrene, trans-1,2-dichloroethene, and methylene chloride in 1. None of these VOCs were detected at concentrations exceeding their respective PALs.

Freon-113 was detected in four samples and Freon-114 in one; PALs have not been established for these analytes.

Tetrachloroethene was not detected in any samples, however, the laboratory reporting limit was higher than the PAL.

During the pre-design investigation, landfill gas was also sampled at four stations; however, the locations of these stations did not correspond to those sampled during this investigation. During the pre-design investigation all the VOCs detected during Year 5 sampling were detected with the exceptions of carbon disulfide, chloromethane, Freon-113, methylene chloride, propylene, styrene, trichlorofluoromethane, chloroform, and n-hexane. In addition, the VOCs 2-butanone and cyclohexane, which were detected during Year 5, were not analyzed for during pre-design. ,

A summary of VOCs detected in landfill gas field sampling is presented in Table 3-9 below.

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Table 3-9: Summary of Laboratory Analytical Results: VOCs in Landfill Gas

ANALYTE	PAL (ppbv)	MEAN CONCENTRATION[1] (ppbV)											
		Q1		Q2		Q3		Q4		Year 5		Pre-Design	
		Mean	(#)	Mean	(#)	Mean	(#)	Mean	(#)	Mean	(#)	Mean	(#)
1,1,1-Trichloroethane	700	<MQL	(0)	71.5	(1)	0.35	(2)	<MQL	(0)	18.0	(3)	2.07	(2)
1,1-Dichloroethane	0.1	**<MQL**	(0)	**77.4**	(1)	**0.47**	(1)	**<MQL**	(0)	**19.5**	(2)	**9.23**	(3)
1,1-Dichloroethene	50	<MQL	(0)	7.92	(1)	<MQL	(0)	<MQL	(0)	2.07	(1)	12.2	(1)
1,2,4-Trimethylbenzene	60	1.93	(3)	3.49	(1)	0.34	(2)	<MQL	(0)	1.47	(6)	2.59	(3)
1,3,5-Trimethylbenzene	60	0.45	(1)	MQL	(0)	<MQL	(0)	<MQL	(0)	1.04	(1)	2.29	(3)
2-Butanone	1,000	120	(5)	102	(5)	79.3	(5)	9.44	(4)	77.6	(19)	NA	
Benzene	9	0.89	(4)	**25.5**	**(5)**	0.50	(5)	0.15	(1)	8.35	(15)	**14.1**	(3)
Carbon disulfide	200	1.87	(4)	5.46	(3)	0.82	(5)	<MQL	(0)	2.17	(12)	<MQL	(0)
Chloroethane	4,000	0.28	(2)	305	(3)	5.15	(1)	<MQL	(0)	112	(6)	18.4	(3)
Chloroform	0.04	**<MQL**	(0)	**3.57**	(1)	**<MQL**	(0)	**<MQL**	(0)	**0.98**	(1)	**<MQL**	(0)
Chloromethane	200	1.08	(5)	5.12	(4)	1.05	(5)	0.56	(5)	1.95	(19)	6.71	(7)
Cis-1,2-Dichloroethene	200	<MQL	(0)	**1,726**	(1)	1.51	(1)	0.12	(0)	**432**	(2)	49.1	(3)
Cyclohexane	2,000	0.19	(1)	65.3	(5)	0.52	(1)	0.12	(0)	16.5	(7)	NA	
Dichlorodifluoromethane	100	0.25	(3)	34.5	(5)	1.10	(5)	0.61	(5)	9.11	(18)	**83.7**	(9)
Ethylbenzene	200	0.43	(2)	<MQL	(0)	<MQL	(0)	<MQL	(0)	1.04	(2)	<M QL	(0)
Freon-113	NE	0.13	(1)	<MQL	(0)	<MQL	(0)	<MQL	(0)	0.96	(1)	<MQL	(0)
Freon-114	NE	<MQL	(0)	23.0	(1)	0.46	(2)	0.25	(1)	5.94	(4)	<MQL	(0)
Methylene Chloride	300	<MQL	(0)	17.6	(1)	<MQL	(0)	<MQL	(0)	<MQL	(0)	<MQL	(0)
n-hexane	50	0.86	(4)	**152**	(5)	1.90	(5)	0.19	(1)	45.4	(15)	NA	(0)
o-Xylene	700	0.62	(2)	<MQL	(0)	0.20	(2)	<MQL	(0)	1.10	(4)	5.48	(4)
p/m-Xylene	700	1.30	(3)	<MQL	(0)	0.39	(2)	<MQL	(0)	2.32	(5)	4.45	(4)
Propylene	2,000	17.0	(5)	147	(5)	24.4	(5)	4.11	(4)	48.2	(19)	NA	(0)
Styrene	200	0.25	(1)	<MQL	(0)	<MQL	(0)	<MQL	(0)	0.17	(1)	<MQL	(0)
Toluene	100	1.79	(4)	10.4	(5)	1.13	(5)	0.14	(1)	3.85	(15)	38.1	(8)
Trans-1,2-Dichloroethene	20	<MQL	(0)	8.60	(1)	<MQL	(0)	<MQL	(0)	2.24	(1)	10.3	(3)
Trichloroethene	90	<MQL	(0)	**1,330**	(1)	<MQL	(0)	<MQL	(0)	**333**	(1)	60.4	(4)
Trichlorofluoromethane	200	<MQL	(0)	3.53	(2)	0.23	(3)	0.28	(5)	1.04	(10)	MQL	(0)
Vinyl chloride	40	0.27	(1)	**2,260**	(3)	24.1	(1)	<MQL	(0)	**571**	(5)	**1,185**	(8)

Notes:
[1] Mean concentration calculated from positive results and one-half of laboratory reporting limits for non-detections.
(#) = Number of positive analytical results NA = Not Analyzed
Bold Text indicates exceeds PAL <MQL= Less than laboratory reporting limit

3.4.2 Air Dispersion Modeling

Provided in Appendix D are the results of the Air Dispersion Model utilizing Screen3. The following steps were taken to develop the maximum 1-hour concentration emission rates for each pollutant, and maximum annual concentration:

1. Calculated 90th percentile values for thirteen sampling events (April 2008, July 2008, October 2008, April 2009, July 2009, October 2009, January 2010, July 2010, October 2010, January 2012, July 2012, and October 2012) for the gas flare and the two gas vent points sampled prior to installation of the gas flare. Values below the Method Reporting limit (MDL) were established at 50% of the MDL for purposes of calculating the 90th percentile.
2. LandGEM Model was run based on the input of the new values into the pollutant tab. The model was run using assumptions used during the RD.
3. Screen3 Dispersion Model was run to obtain the maximum 1-hour emission concentration. The model assumptions are provided in the attached document.
4. Maximum annual concentrations for the pollutants were calculated based on the results of the Screen3 dispersion model and emission rate from LandGEM.
5. Maximum concentrations were then compared to the established PALs for each of the contaminants of concern.

None of the VOCs exceeded the PAL established for the project based upon dispersion modeling.

The use of the Screen3 air dispersion model has been replaced by the final version of the Aerscreen model released by the EPA for dispersion modeling performed in the Long Term Monitoring Work Plan for the Rose Hill Landfill Superfund site, starting in the Year 5 fourth quarter monitoring round. It is noted that dispersion modeling was not performed for the fourth quarter to the laboratory air sampling results being below the PALS.

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4.0 DISCUSSION

The Year 5 Landfill Closure quarterly sampling did not result in findings that varied substantially from previous data or from expectations. The following is a summary of key findings:

4.1 Groundwater

- Manganese was detected in 14 monitoring wells and three residential wells; the concentration of manganese exceeded the PAL of 0.3 mg/L in eight monitoring wells in both quarters. The average concentration of manganese was 0.86 mg/L in the first quarter and 1.13 mg/L in the second quarter.

- Aluminum, antimony, arsenic, barium, cadmium, chromium, lead, sodium, and zinc were detected in one or more wells. None of these metals were detected at concentrations exceeding PALs. Of these metals, aluminum, chromium, sodium, and zinc were detected during the pre-design investigation. However, laboratory reporting limits during the pre-design investigation were higher than concentrations of metals detected during Year 5 sampling, and beryllium was not analyzed for in the pre-design investigation.

- Beryllium and vanadium were not detected during year 5 sampling. During the pre-design investigation beryllium was not analyzed for, while vanadium was detected at concentrations below the PAL in two samples.

- The VOC vinyl chloride was detected in two samples in the first quarter and in one sample in the second quarter at concentrations above the PAL. No other VOCs were detected at concentrations exceeding PALs. In the pre-design investigation, concentrations of 1,1-dichlorothane, benzene, trichloroethene, and vinyl chloride were detected in concentrations above PALs in one or more monitoring wells.

- The SVOC bis(2-ethylhexyl)phthalate was detected in two monitoring wells in the first quarter, the concentration of this SVOC exceeded the PAL in one of the two samples. During the pre-design field investigation this SVOC bis(2-ethylhexyl)phthalate was detected at concentrations exceeding the PAL in several monitoring wells.

4.2 Surface Water

- Total metals detected in surface water samples from Mitchell Brook included aluminum, arsenic, chromium, copper, iron, lead, manganese, nickel, and zinc. Concentrations of aluminum, copper, iron, lead, manganese, and zinc exceeded PALs in one or more samples. Total metals detected in surface water samples from the Saugatucket River included aluminum, arsenic, copper, iron, lead, manganese, nickel, and zinc.

Concentrations of aluminum, copper, iron, lead, manganese, and zinc exceeded PALs in one or more samples.

- Dissolved metals detected in surface water samples collected from Mitchell Brook included aluminum, arsenic, copper, iron, lead, manganese, nickel, and zinc. Concentrations of aluminum, copper, iron, lead, manganese, and zinc exceeded PALs in one or more samples. Dissolved metals detected in surface water samples collected from the Saugatucket River included aluminum, copper, iron, manganese, nickel, and zinc. Concentrations of copper, manganese, and zinc exceeded PALs in one or more samples.

4.3 Landfill Gas

- The VOCs 1,1-dichloroethane, benzene, chloroform, cis-1,2-dichloroethene, dichlorodifluoromethane, n-hexane, trans,1-2-dichloroethene, trichloroethene, and vinyl chloride were detected above their PALs in one or more samples.

The analytical data will be used to develop an updated understanding of the nature and distribution of Site contaminants and evaluate the effectiveness of the RA. These data will also be used for evaluation of potential human health risk, and fate and transport modeling. Landfill gas data were collected to assess landfill gas generation and to determine the effectiveness of the active landfill gas collection system.

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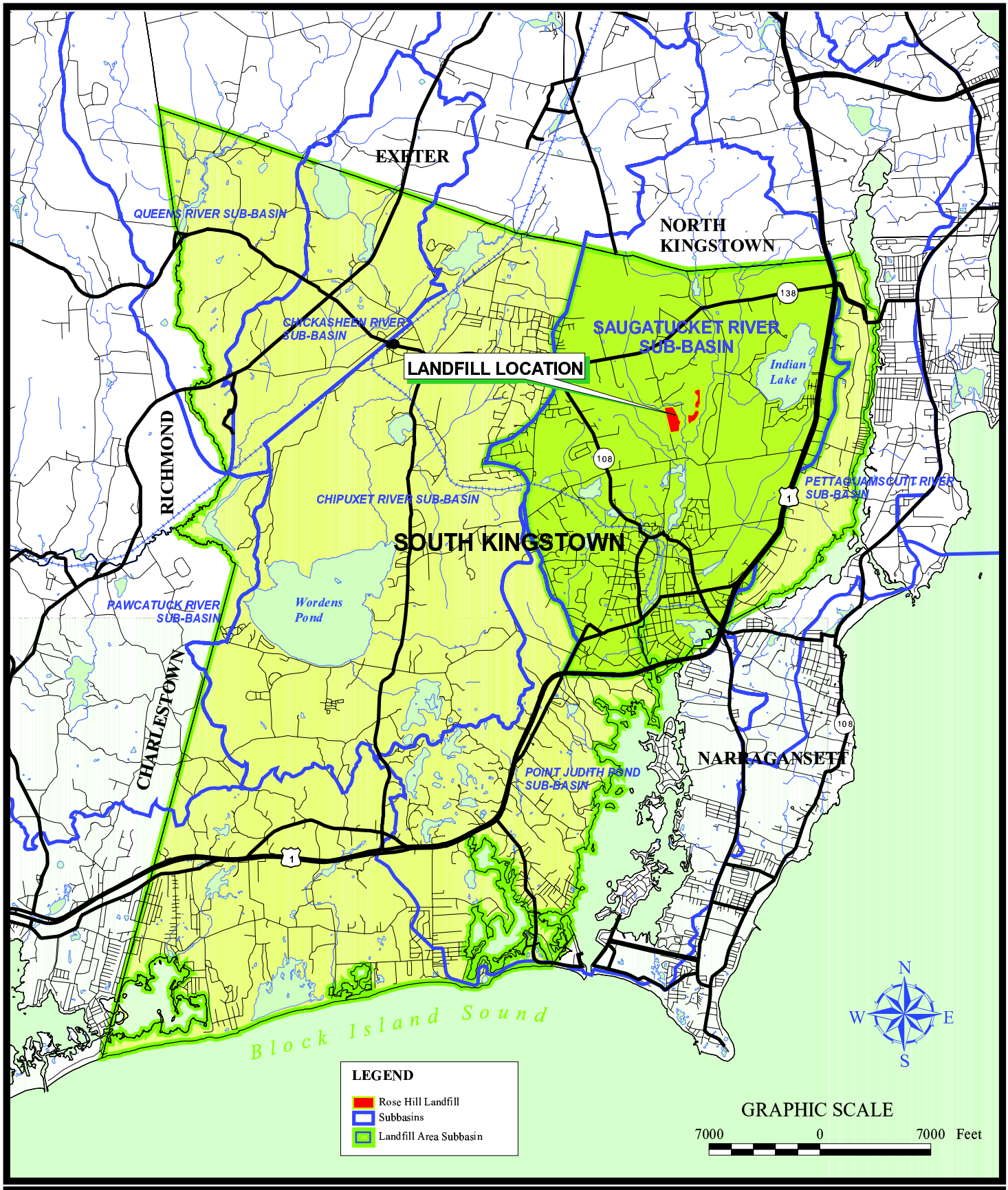
APPENDIX A

FIGURES



RI Department of Environmental Management

The Louis Berger Group, Inc.

Remedial Action - Rose Hill Landfill

Figure 1: SITE LOCATION MAP

Source: RIGIS, RIDEM, M&E | *wp_qapp-s-kingst-lf.apr* | November 2007

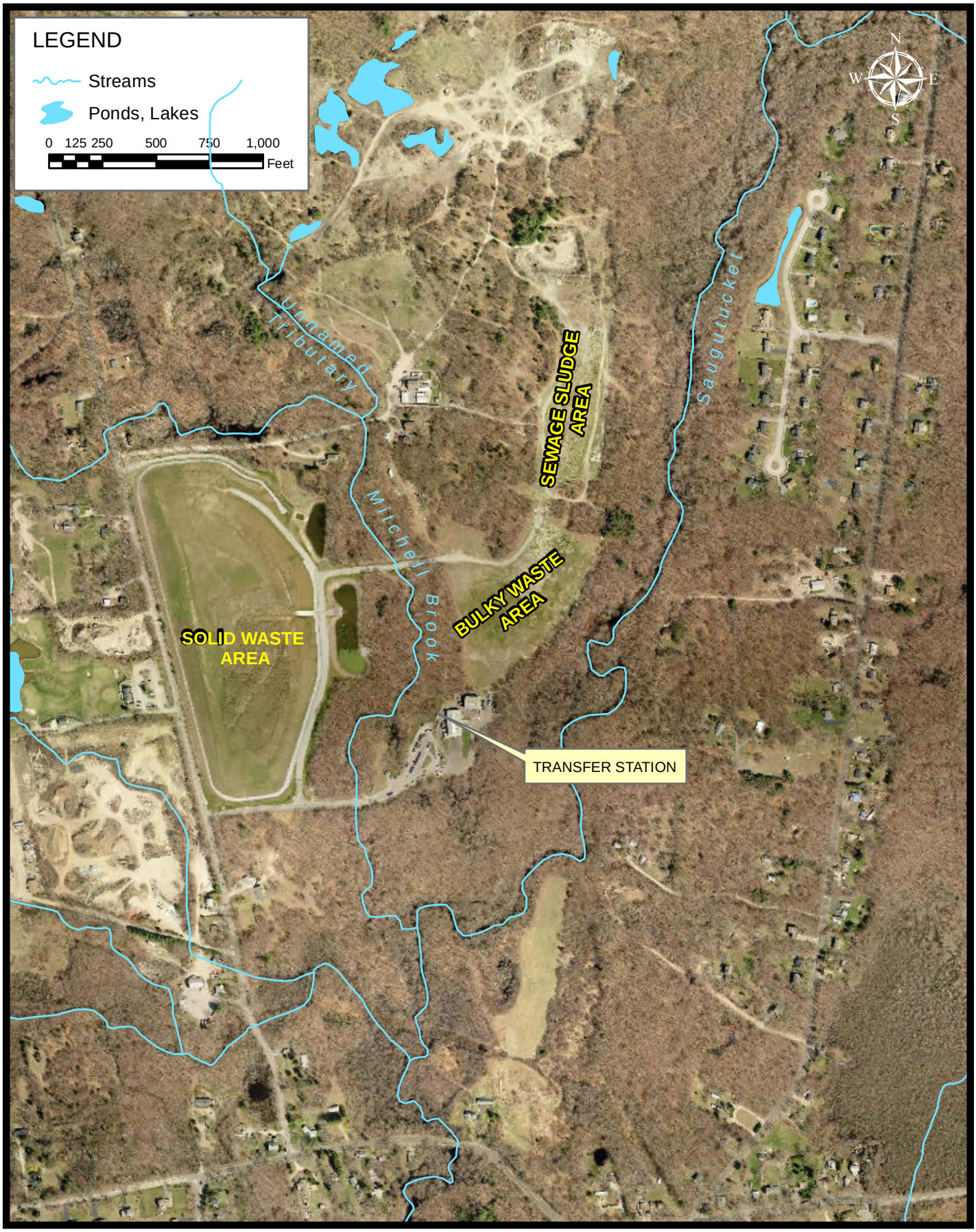


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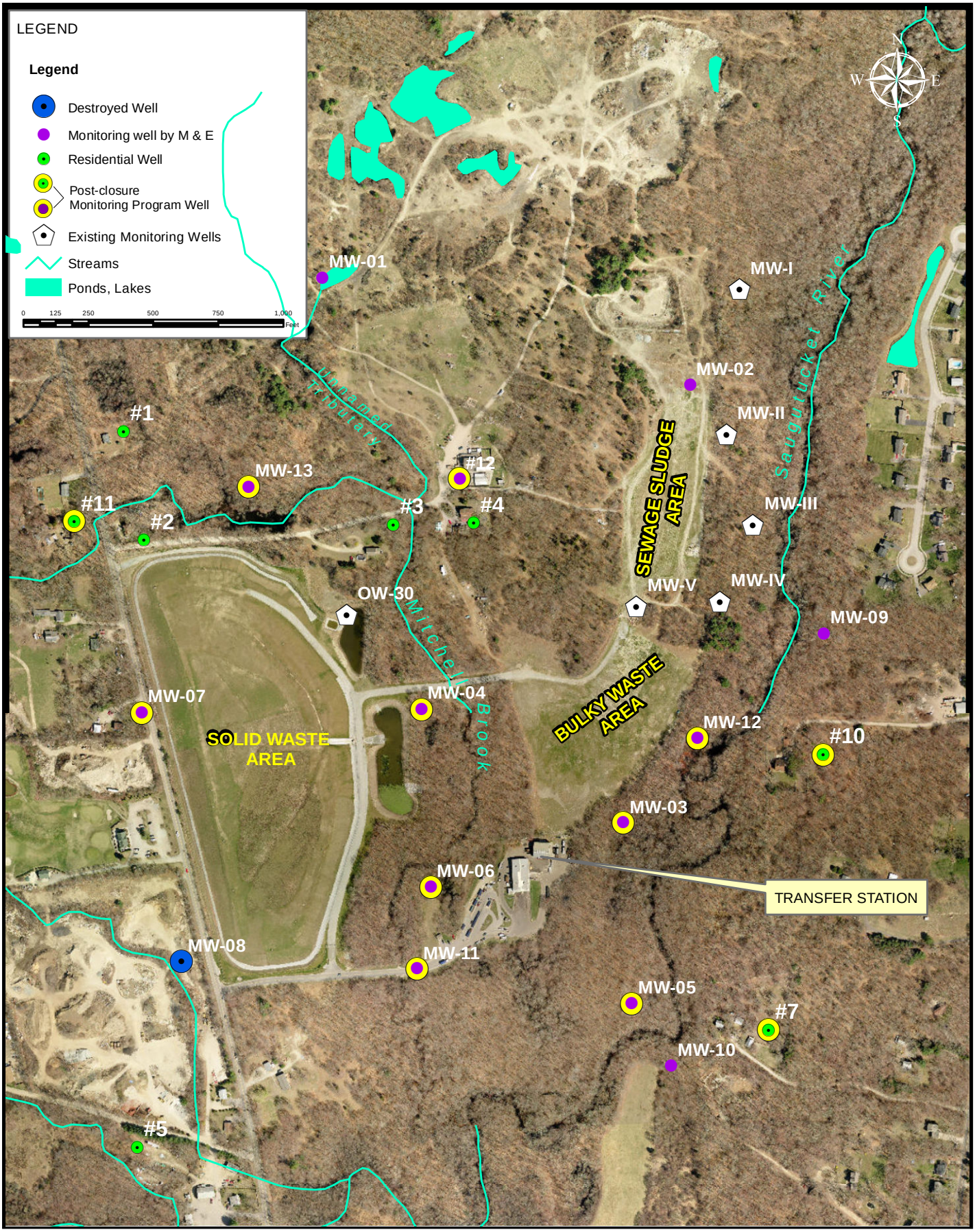
Figure 2: SITE AERIAL EXISTING FEATURES MAP

Source: URI, RIDEM, M&E | *Site Aerial* | November 2011



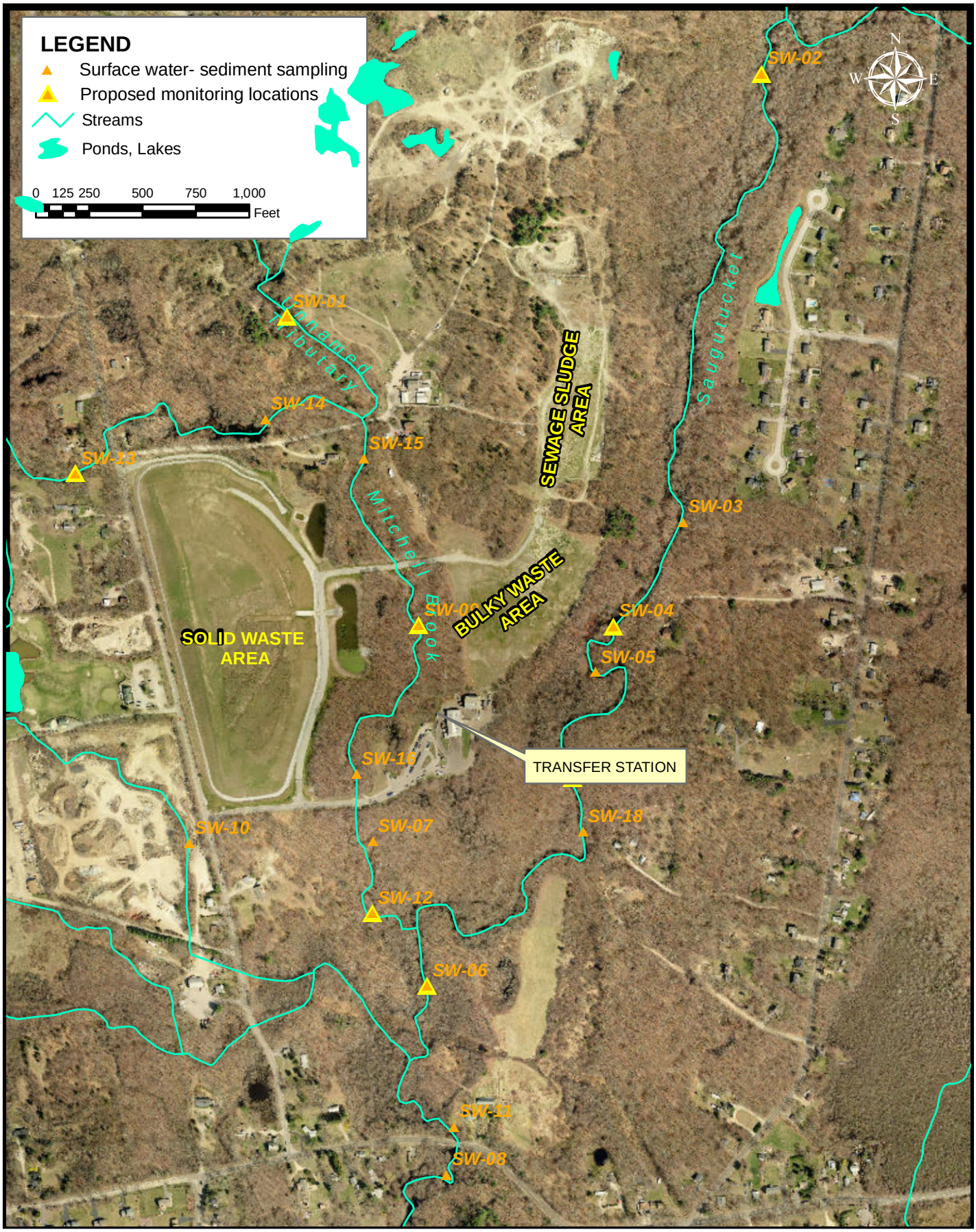
RI Department of Environmental Management

The Louis Berger Group, Inc.

Well Decommissioning - Rose Hill Landfill

Figure 3: POST CLOSURE MONITORING PROGRAM GROUNDWATER

Source: URI, RIDEM, M&E | *Groundwater_loc* | August 2011



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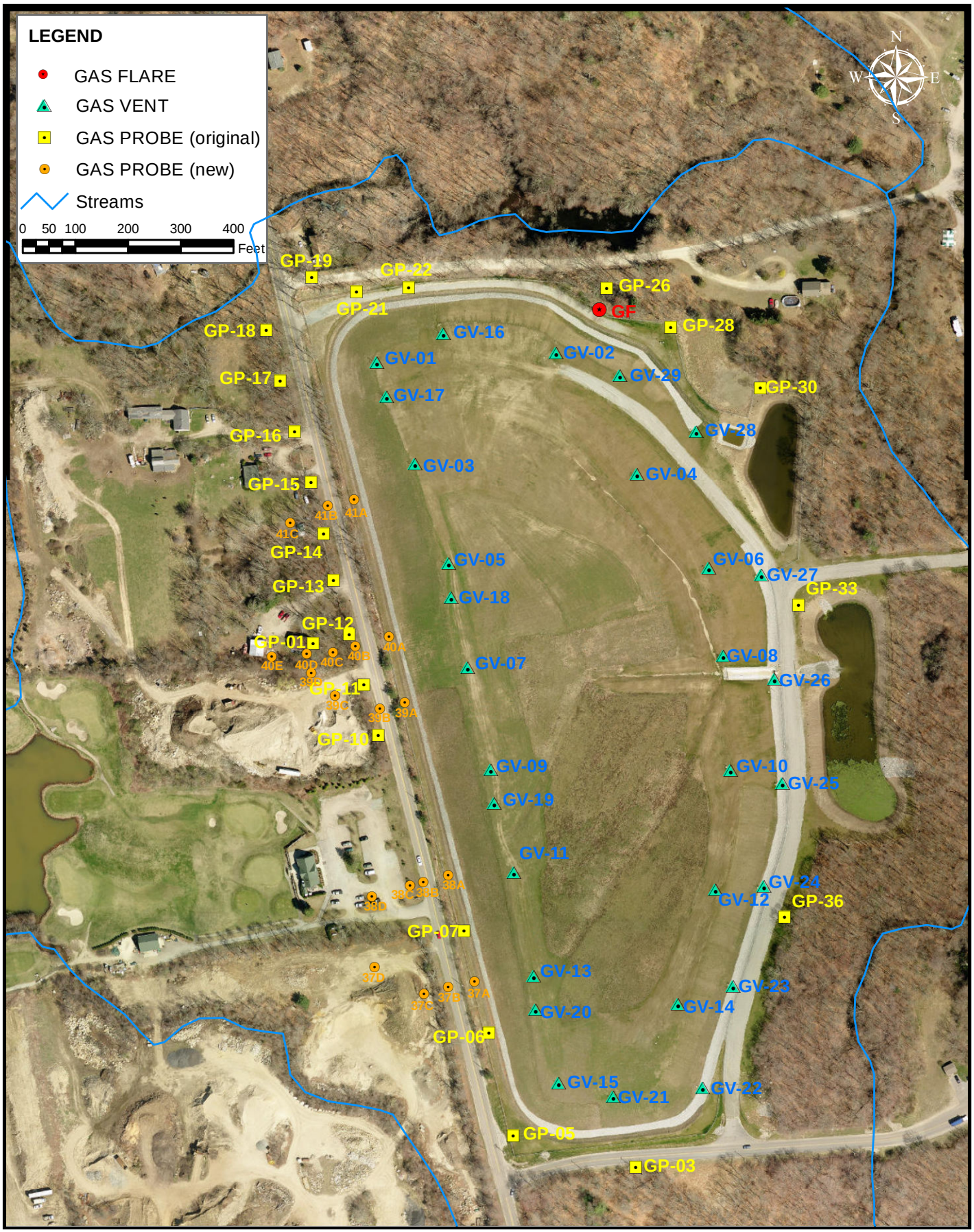
Remedial Action - Rose Hill Landfill

Figure 4: POST CLOSURE MONITORING PROGRAM SURFACE WATER

Source: URI, RIDEM, M&E | *Surface Water_loc* | November 2011



RI Department of Environmental Management

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Remedial Action - Rose Hill Landfill

Figure 5: POST CLOSURE MONITORING PROGRAM LANDFILL GAS

Source: URI, RIDEM, M&E | *Landfill Gas Map* | February 2012

APPENDIX B

SUMMARY DATA TABLES

Table 1
Monitoring Wells Sampled and Groundwater Gauging Data
Rose Hill Landfill
South Kingstown, Rhode Island
Year 5

Well ID	Well Diameter	Quarter	Depth to Water [1]	Comments
MW-03S	2 - inch	Q1	2.51	
		Q2	3.01	
MW-03BR	6 - inch	Q1	>0	Artesian conditions, water flowing through hole 0.45' below top of casing.
		Q2	0.00	Artesian conditions, water approx. 0.6' below top of casing.
MW-04S	2 - inch	Q1	4.42	
		Q2	4.90	
MW-04DO	2 - inch	Q1	4.31	
		Q2	4.77	
MW-05S	2 - inch	Q1	6.31	
		Q2	6.65	
MW-06DO	2 - inch	Q1	5.68	
		Q2	5.97	
MW-07DO	2 - inch	Q1	19.37	
		Q2	28.76	
MW-07BR	4 - inch	Q1	22.05	
		Q2	22.56	
MW-11S	2 - inch	Q1	8.12	
		Q2	8.44	
MW-11DO	2 - inch	Q1	7.17	
		Q2	8.67	
MW-11BR	6 - inch	Q1	NR	
		Q2	5.93	
MW-12S	2 - inch	Q1	1.60	
		Q2	1.92	
MW-12DO	2 - inch	Q1	2.28	
		Q2	2.61	
MW-13S	2 - inch	Q1	7.31	
		Q2	8.68	

Notes:
[1] - measured from top of PVC well casing
S - shallow overburden groundwater monitoring well
D - deep overburden groundwater monitoring well
BR - bedrock groundwater monitoring well
Q1 - first quarter, Q2 - second quarter
NR - not read

Table 2
Field Monitoring Results for Groundwater
Rose Hill Landfill
Rose Hill Road
South Kingstown, Rhode Island
Year 5

Well ID	Quarter	Time	Flow Rate (RPM)	pH	Conductivity (ms/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	ORP (mV)	Comments
MW-03S	Q1	10:51	275	5.87	118	3.95	7.2	167.3	
		10:56	275	5.63	117	3.71	3.3	184.2	
		11:01	275	5.41	117	3.67	1.1	200.6	
		11:06	275	5.50	117	3.58	0.9	199.9	
	Q2	11:42	275	6.83	180	1.58	28.9	–1.3	
		11:47	275	6.82	182	1.67	17.3	4.2	
		11:52	275	6.78	182	0.71	15.0	-28.6	
		11:57	275	6.77	182	0.54	14.1	-47.6	
MW-03BR	Q1	10:11	275	6.61	185	3.08	5.6	117.9	
		10:16	275	6.59	185	2.89	1.0	124.3	
		10:21	275	6.50	185	2.82	0.3	131.5	
		10:25	275	6.57	185	2.80	1.6	130.6	
	Q2	11:03	275	5.87	100	4.47	17.9	93.4	
		11:08	275	5.79	97	3.92	14.6	97.1	
		11:13	275	5.77	97	3.70	10.0	97.5	
		11:18	275	5.76	97	3.65	5.8	98.0	
MW-04S	Q1	8:45	275	6.61	82	3.57	147.0	102.6	
		8:50	275	1.57	81	0.34	119.0	331.3	
		8:55	275	2.22	85	0.21	68.7	283.3	
		9:00	275	3.89	91	0.15	39.6	179.5	
		9:05	275	4.60	97	0.17	23.3	131.8	
	Q2	9:31	275	6.30	141	1.23	68.3	-39.6	
		9:36	275	6.23	138	0.27	33.1	-53.4	
		9:41	275	6.23	137	0.24	26.2	-56.7	
		9:46	275	6.24	137	0.20	31.3	-62.3	
MW-04DO	Q1	9:19	275	5.87	98	0.50	62.8	126.4	
		9:24	275	5.64	98	0.17	29.1	149.6	
		9:29	275	5.65	98	1.20	25.1	154.2	
	Q2	9:59	275	6.38	160	5.85	20.9	-30.9	
		10:04	275	6.51	163	6.23	13.2	-43.5	
		10:09	275	6.54	165	5.90	12.0	-41.7	
		10:14	275	6.76	196	3.87	4.2	-111.4	
		10:19	275	6.79	199	0.85	6.9	-108.8	
MW-05S	Q1	11:44	275	6.49	94	9.30	NR	145.5	
		11:49	275	5.37	93	9.07	NR	188.9	
		11:54	275	5.46	94	9.07	NR	189.1	
		11:59	275	5.50	93	9.12	NR	191.5	
	Q2	12:02	275	6.15	114	7.42	2.1	60.4	Well was running dry
MW-6DO	Q1	10:46	275	6.61	229	1.70	NR	47.0	
		10:51	275	5.71	227	0.11	NR	121.5	
		10:56	275	6.13	228	0.90	NR	109.5	
		11:01	275	6.22	230	0.12	NR	76.0	
	Q2	11:11	275	6.06	328	1.85	1.9	63.8	
		11:16	275	6.49	312	0.43	11.1	-69.0	
		11:21	275	6.47	305	0.48	9.4	-72.4	
		11:26	275	6.39	300	0.25	5.6	-69.7	
MW-7DO	Q1	1:10	NA	6.14	263	5.95	NR	75.2	Hand bailed approximately 9 gallons prior to sampling.
		1:15	NA	3.96	232	4.81	NR	162.9	
		1:20	NA	4.16	213	4.77	NR	12.6	
	Q2	1:16	NA	NR	NR	NR	NR	NR	Dry well
MW-7BR	Q1	2:30	NA	8.40	392	3.72	NR	-44.4	Hand bailed approximately 12 gallons prior to sampling.
		1:33	NA	6.56	389	3.25	NR	100.7	
		1:38	NA	7.26	389	3.88	NR	89.7	
	Q2	1:22	NA	8.38	10	7.26	1.9	-109.9	Hand bailed approximately 12 gallons prior to sampling.
		1:25	NA	8.42	265	7.23	0.8	-95.0	
		1:28	NA	8.49	415	8.68	1.2	-114.4	
MW-11S	Q1	8:20	275	4.23	428	1.15	7.6	67.4	
		8:25	275	4.81	426	0.46	13.1	25.9	
		8:30	275	5.43	427	0.45	14.6	-13.1	
		8:35	275	5.50	428	0.43	15.1	-16.3	
	Q2	8:36	275	6.32	486	0.68	20.8	-93.7	
		8:41	275	6.30	482	0.53	12.7	-101.5	
		8:46	275	6.30	478	0.38	8.5	-104.8	
		8:51	275	6.31	477	0.41	7.9	-105.1	
MW-11DO	Q1	9:13	275	6.64	352	0.33	59.6	16.0	
		9:17	275	4.79	351	23.0%	31.1	148.4	
		9:23	275	5.72	351	0.19	11.2	107.9	
		9:27	275	6.15	351	0.18	10.0	67.9	
	Q2	9:27	275	6.55	411	3.93	42.1	-74.8	
		9:32	275	6.52	359	0.53	14.6	-95.1	
		9:37	275	6.50	337	0.25	8.1	-98.5	
		9:42	275	6.49	334	0.26	7.7	-97.8	

Table 2
Field Monitoring Results for Groundwater
Rose Hill Landfill
Rose Hill Road
South Kingstown, Rhode Island
Year 5

Well ID	Quarter	Time	Flow Rate (RPM)	pH	Conductivity (ms/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	ORP (mV)	Comments
MW-11BR	Q1	9:59	275	8.05	316	6.65	1.0	36.8	
		10:04	275	7.18	314	6.29	4.6	105.7	
		10:09	275	7.63	316	6.30	4.5	95.8	
		10:14	275	7.69	316	6.26	1.7	91.4	
	Q2	10:09	275	7.66	373	4.67	7.3	-125.8	
		10:14	275	8.32	368	4.36	9.5	-70.4	
		10:19	275	8.35	368	4.48	6.0	-50.1	
		10:26	275	8.35	369	4.51	5.3	-48.3	
MW-12S	Q1	11:29	275	5.56	118	600.0%	168.0	151.6	
		11:34	275	2.85	118	17.0%	14.1	298.1	
		11:39	275	3.63	118	17.0%	6.9	257.4	
		11:44	275	4.34	118	0.21	3.0	218.9	
		11:49	275	4.70	117	0.32	2.6	198.9	
	Q2	12:26	275	5.94	138	6.20	70.5	43.0	
		12:31	275	5.77	180	0.69	27.7	24.0	
		12:36	275	5.60	162	0.43	10.7	43.9	
		12:41	275	5.56	159	0.36	5.0	49.8	
MW-12DO	Q1	11:59	275	9.93	183	0.86	21.3	2.1	
		12:04	275	10.45	191	0.12	7.4	-13.2	
		12:09	275	10.50	193	0.10	7.2	-24.1	
		12:14	275	10.49	192	0.09	5.7	-39.5	
	Q2	12:53	275	10.64	175	1.98	3.0	-118.5	
		12:58	275	10.76	204	0.33	-2.7	-132.7	
		1:03	275	10.70	193	0.25	-3.9	-138.2	
		1:08	275	10.62	181	0.20	-4.0	-140.7	
MW-13S	Q1	2:20	275	1.09	57	2.38	NR	446.7	
		2:25	275	1.36	57	1.58	NR	416.4	
		2:30	275	1.42	57	12.50	NR	372.0	
		2:35	275	2.73	56	11.50	NR	338.6	
	Q2	12:51	275	5.40	66	2.91	9.1	9.0	
		12:26	275	5.33	66	6.25	3.7	8.1	
		1:01	275	5.36	65	7.57	2.2	6.5	
		1:06	275	5.38	65	7.68	2.1	5.4	
RES-7	Q1	2:13	NA	6.35	158	1.10	2.6	133.7	
		2:15	NA	6.21	159	2.29	0.6	176.6	
		2:16	NA	7.03	195	2.00	0.9	215.4	
	Q2	2:13	NR	NR	NR	NR	NR	NR	Dry well
RES-10	Q1	2:26	NA	7.63	161	8.15	1.7	133.7	
		2:27	NA	6.84	158	4.26	1.8	176.6	
		2:28	NA	6.08	163	6.65	1.0	215.4	
	Q2	2:49	NA	7.70	202	3.75	672.3	42.8	
		2:52	NA	7.81	200	4.71	284.6	70.6	
		2:55	NA	8.06	199	5.07	360.7	59.1	
RES-11	Q1	1:51	NA	7.81	51	5.43	NR	134.6	
		1:53	NA	6.06	48	5.43	NR	178.3	
		1:55	NA	6.69	49	4.66	NR	154.0	
	Q2	1:30	NA	6.14	64	6.45	199.7	169.1	
		1:33	NA	6.05	56	5.94	31.2	149.3	
		1:35	NA	6.00	58	5.84	76.3	138.2	
RES-12	Q1	8:27	NA	7.12	155	5.98	1.0	148.6	
		9:08	NA	7.33	158	8.51	639.6	33.6	

Notes:
BR - bedrock groundwater monitoring well
DO - deep overburden groundwater monitoring well
S - shallow overburden groundwater monitoring well
RPM - revolutions per minute
µs/cm - microsiemens per centimeter squared
mg/l - milligrams per liter
NTU - nephelometric turbidity unit
mv - millivolts
N/A - not applicable
NR - not read

Table 3
Field Monitoring Results for Surface Water
Rose Hill Landfill
Rose Hill Road
South Kingstown, Rhode Island
Year 5

Sampling Location	Quarter	Temperature (°C)	pH	O.R.P. (mV)	Conductivity (µS/cm)	Dissolved O_2 (mg/L)
SW-01	Q1	16.14	6.50	193.6	78	7.09
	Q2	17.19	6.84	9.7	115	8.02
	Mean	16.14	6.50	193.6	78	7.09
SW-02	Q1	17.19	7.24	33.8	50	5.81
	Q2	12.58	6.50	212.5	89	8.76
	Mean	12.58	6.50	212.5	89	8.76
SW-04	Q1	12.58	6.50	212.5	89	8.76
	Q2	20.76	8.11	26.9	144	7.38
	Mean	12.58	6.50	212.5	89	8.76
SW-06	Q1	12.05	7.84	47.7	105	9.62
	Q2	19.68	7.54	-40.9	138	8.08
	Mean	12.05	22.05	47.7	105	9.62
SW-09	Q1	14.77	6.29	136	62	8.52
	Q2	19.13	6.73	30.1	142	7.53
	Mean	14.77	6.29	136.0	62	8.52
SW-12	Q1	15.92	8.00	3.2	80	9.30
	Q2	19.88	6.83	25.8	169	5.66
	Mean	15.92	8.00	3.2	80	9.30
SW-13	Q1	18.04	6.94	68.0	68	10.58
	Q2	23.66	6.06	38.5	86	7.91
	Mean	18.04	6.94	68.0	68	10.58
SW-17	Q1	14.38	6.98	102.4	96	8.89
	Q2	25.37	6.43	28.1	147	7.45
	Mean	14.38	6.98	102.4	96	8.89

Notes:
Highlighted Text indicates summary statistic
° C - degrees Celsius
mV - millivolts
ORP - oxidation-reduction potential
µs/cm - microsiemens per centimeter
mg/L - milligrams per liter
Q1 - first quarter, Q2 - second quarter

Table 4
Field Monitoring Results for Landfill Gas
Rose Hill Landfill
Rose Hill Road
South Kingstown, Rhode Island
Year 5

WELL ID	DATE	VOC	H2S	METHANE (%)	CARBON DIOXIDE (%)	OXYGEN (%)	LEL (%)
GP-01	Q1	0.0	4	0.0	0.0	21.3	0.0
	Q2	0.0	0	0.0	0.0	20.7	0.0
	Q3	0.0	NR	0.0	2.3	19.1	0.0
	Q4	0.0	0	0.0	0.8	20.7	0.0
	MEAN	0.0	1.3	0.0	0.8	20.5	0.0
	RANGE	0 - 0	0 - 4	0 - 0	0 - 2.3	19.1 - 21.3	0 - 0
GP-03	Q1	0.0	1	0.1	0.0	21.8	2.0
	Q2	0.0	0	0.0	0.0	20.9	0.0
	Q3	0.0	NR	0.0	4.2	20.2	0.0
	Q4	0.0	0	0.0	1.2	19.9	0.0
	MEAN	0.0	0.3	0.0	1.4	20.7	0.5
	RANGE	0 - 0	0 - 1	0 - 0.1	0 - 4.2	19.9 - 21.8	0 - 2
GP-05	Q1	0.0	2	0.0	0.2	21.6	0.0
	Q2	0.0	0	0.0	0.2	21.2	0.0
	Q3	0.0	NR	0.2	1.0	20.3	4.0
	Q4	0.0	0	0.0	0.9	21.2	0.0
	MEAN	0.0	0.7	0.1	0.6	21.1	1.0
	RANGE	0 - 0	0 - 2	0 - 0.2	0.2 - 1	20.3 - 21.6	0 - 4
GP-06	Q1	0.0	2	0.0	0.0	21.5	0.0
	Q2	3.6	0	0.0	0.0	21.1	0.0
	Q3	0.0	NR	0.0	0.4	20.6	0.0
	Q4	0.0	0	0.0	0.0	22.0	0.0
	MEAN	0.9	0.7	0.0	0.1	21.3	0.0
	RANGE	0 - 3.6	0 - 2	0 - 0	0 - 0.4	20.6 - 22	0 - 0
GP-07	Q1	0.0	2	0.0	1.1	21.0	0.0
	Q2	0.0	0	0.0	1.1	19.8	0.0
	Q3	0.0	NR	0.0	3.8	18.2	0.0
	Q4	0.0	0	0.0	0.0	21.5	0.0
	MEAN	0.0	0.7	0.0	1.5	20.1	0.0
	RANGE	0 - 0	0 - 2	0 - 0	0 - 3.8	18.2 - 21.5	0 - 0
GP-10	Q1	0.0	3	0.0	2.2	19.6	0.0
	Q2	0.0	0	0.0	2.2	20.3	0.0
	Q3	0.0	NR	0.0	2.2	19.3	0.0
	Q4	0.0	0	0.0	1.3	20.6	0.0
	MEAN	0.0	1.0	0.0	2.0	20.0	0.0
	RANGE	0 - 0	0 - 3	0 - 0	1.3 - 2.2	19.3 - 20.6	0 - 0
GP-11	Q1	0.0	0	0.0	2.8	18.8	0.0
	Q2	0.0	0	0.0	2.8	19.2	0.0
	Q3	0.2	NR	0.0	3.3	18.6	0.0
	Q4	0.0	0	0.0	1.1	20.2	0.0
	MEAN	0.1	0.0	0.0	2.5	19.2	0.0
	RANGE	0 - 0.2	0 - 0	0 - 0	1.1 - 3.3	18.6 - 20.2	0 - 0
GP-12	Q1	0.0	5	0.0	2.5	19.3	0.0
	Q2	0.0	0	0.0	2.5	20.1	0.0
	Q3	0.0	0	0.0	2.8	19.3	0.0
	Q4	0.0	0	0.0	0.8	21.7	0.0
	MEAN	0.0	1.3	0.0	2.2	20.1	0.0
	RANGE	0 - 0	0 - 5	0 - 0	0.8 - 2.8	19.3 - 21.7	0 - 0
GP-13	Q1	0.2	1	0.1	2.8	18.6	2.0
	Q2	0.0	0	0.0	2.5	19.7	0.0
	Q3	0.0	NR	0.0	2.1	19.6	0.0
	Q4	0.0	0	0.0	3.9	16.6	0.0
	MEAN	0.1	0.3	0.0	2.8	18.6	0.5
	RANGE	0 - 0.2	0 - 1	0 - 0.1	2.1 - 3.9	16.6 - 19.7	0 - 2
GP-14	Q1	0.0	1	0.1	2.5	19.4	2.0
	Q2	0.0	0	0.0	2.4	19.7	0.0
	Q3	0.0	NR	0.0	4.7	16.5	0.0
	Q4	0.0	0	0.0	2.7	17.6	0
	MEAN	0.0	0.3	0.0	3.1	18.3	0.5
	RANGE	0 - 0	0 - 1	0 - 0.1	2.4 - 4.7	16.5 - 19.7	0 - 2
GP-15	Q1	0.0	1	0.1	2.4	19.9	2.0
	Q2	0.0	0	0.0	2.6	20.3	0.0
	Q3	0.0	NR	0.0	3.1	19.0	0.0
	Q4	0.0	0	0.0	1.5	18.2	0.0
	MEAN	0.0	0.3	0.0	2.4	19.4	0.5
	RANGE	0 - 0	0 - 1	0 - 0.1	1.5 - 3.1	18.2 - 20.3	0 - 2

Notes:
Highlighted text indicates summary statistic
NR = not read
NC = not calculated
ppm = parts per million
LEL = Lower Explosive Limit

Table 4
Field Monitoring Results for Landfill Gas
Rose Hill Landfill
Rose Hill Road
South Kingstown, Rhode Island
Year 5

WELL ID	DATE	VOC	H2S	METHANE (%)	CARBON DIOXIDE (%)	OXYGEN (%)	LEL (%)
GP-16	Q1	0.0	0	0.0	2.6	18.6	0.0
	Q2	0.0	0	0.0	2.6	20.3	0.0
	Q3	0.0	NR	0.0	1.5	20.1	0.0
	Q4	0.0	0	0.0	0.4	20.1	0.0
	MEAN	0.0	0.0	0.0	1.8	19.8	0.0
	RANGE	0 - 0	0 - 0	0 - 0	0.4 - 2.6	18.6 - 20.3	0 - 0
GP-17	Q1	0.0	1	0.1	2.6	17.2	2.0
	Q2	0.0	0	0.0	2.6	16.8	0.0
	Q3	0.0	NR	0.0	0.0	21.1	0.0
	Q4	0.0	0	0.0	1.1	19.4	0.0
	MEAN	0.0	0.3	0.0	1.6	18.6	0.5
	RANGE	0 - 0	0 - 1	0 - 0.1	0 - 2.6	16.8 - 21.1	0 - 2
GP-18	Q1	0.0	1	0.0	1.5	19.4	0.0
	Q2	1.2	0	0.0	1.5	20.1	0.0
	Q3	0.2	NR	0.0	1.2	20.3	0.0
	Q4	0.0	0	0.0	1.0	19.1	0.0
	MEAN	0.4	0.3	0.0	1.3	19.7	0.0
	RANGE	0 - 1.2	0 - 1	0 - 0	1 - 1.5	19.1 - 20.3	0 - 0
GP-19	Q1	0.0	1	0.1	0.0	21.8	2.0
	Q2	0.0	0	0.0	0.0	20.2	0.0
	Q3	0.0	NR	0.0	1.9	20.2	0.0
	Q4	0.0	0	0.0	1.7	16.3	0.0
	MEAN	0.0	0.3	0.0	0.9	19.6	0.5
	RANGE	0 - 0	0 - 1	0 - 0.1	0 - 1.9	16.3 - 21.8	0 - 2
GP-21	Q1	0.0	1	0.3	5.5	10.5	6.0
	Q2	0.0	0	0.0	5.5	12.8	0.0
	Q3	5.2	NR	0.1	0.4	20.5	2.0
	Q4	0.0	0	0.0	2.1	15.5	0.0
	MEAN	1.3	0.3	0.1	3.4	14.8	2.0
	RANGE	0 - 5.2	0 - 1	0 - 0.3	0.4 - 5.5	10.5 - 20.5	0 - 6
GP-22	Q1	0.0	1	0.1	0.0	21.8	2.0
	Q2	0.0	0	0.0	0.0	20.4	0.0
	Q3	0.0	NR	0.0	1.8	20.3	0.0
	Q4	0.0	0	0.0	1.5	19.0	0.0
	MEAN	0.0	0.3	0.0	0.8	20.4	0.5
	RANGE	0 - 0	0 - 1	0 - 0.1	0 - 1.8	19 - 21.8	0 - 2
GP-26	Q1	0.0	1	0.0	2.7	19.5	0.0
	Q2	0.0	0	0.0	2.7	19.9	0.0
	Q3	0.0	NR	0.0	3.2	21.6	0.0
	Q4	0.0	0	0.0	2.3	17.2	0.0
	MEAN	0.0	0.3	0.0	2.7	19.6	0.0
	RANGE	0 - 0	0 - 1	0 - 0	2.3 - 3.2	17.2 - 21.6	0 - 0
GP-28	Q1	0.0	1	0.0	2.2	16.4	0.0
	Q2	0.0	0	0.0	2.2	17.2	0.0
	Q3	0.0	NR	0.0	3.3	19.7	0.0
	Q4	0.0	0	0.0	1.3	17.8	0.0
	MEAN	0.0	0.3	0.0	2.3	17.8	0.0
	RANGE	0 - 0	0 - 1	0 - 0	1.3 - 3.3	16.4 - 19.7	0 - 0
GP-30	Q1	0.0	1	0.0	2.5	18.7	0.0
	Q2	0.0	0	0.0	2.5	17.8	0.0
	Q3	0.0	NR	0.0	3.5	19.8	0.0
	Q4	0.0	0	0.0	2.0	16.7	0.0
	MEAN	0.0	0.3	0.0	2.6	18.3	0.0
	RANGE	0 - 0	0 - 1	0 - 0	2 - 3.5	16.7 - 19.8	0 - 0
GP-33	Q1	0.1	3	0.0	7.7	6.4	0.0
	Q2	0.0	0	0.0	2.5	17.8	0.0
	Q3	0.0	NR	0.0	1.9	19.6	0.0
	Q4	0.0	0	0.0	0.0	22.4	0.0
	MEAN	0.0	1.0	0.0	3.0	16.6	0.0
	RANGE	0 - 0.1	0 - 3	0 - 0	0 - 7.7	6.4 - 22.4	0 - 0
GP-36	Q1	0.0	4	0.0	0.0	21.5	0.0
	Q2	0.0	0	0.0	0.0	20.3	0.0
	Q3	0.0	NR	0.0	2.4	19.9	0.0
	Q4	0.0	0	0.0	0.0	22.4	0.0
	MEAN	0.0	1.3	0.0	0.6	21.0	0.0
	RANGE	0 - 0	0 - 4	0 - 0	0 - 2.4	19.9 - 22.4	0 - 0

Notes:
Highlighted text indicates summary statistic
NR = not read
NC = not calculated
ppm = parts per million
LEL = Lower Explosive Limit

Table 4
Field Monitoring Results for Landfill Gas
Rose Hill Landfill
Rose Hill Road
South Kingstown, Rhode Island
Year 5

WELL ID	DATE	VOC	H2S	METHANE (%)	CARBON DIOXIDE (%)	OXYGEN (%)	LEL (%)
GP-37A	Q1	0.0	2	0.0	0.0	21.6	0.0
	Q2	0.0	0	0.0	0.0	20.2	0.0
	Q3	0.0	NR	0.0	3.6	20.0	0.0
	Q4	0.0	0	0.0	0.0	21.8	0.0
	MEAN	0.0	0.7	0.0	0.9	20.9	0.0
	RANGE	0 - 0	0 - 2	0 - 0	0 - 3.6	20 - 21.8	0 - 0
GP-37B	Q1	0.0	4	0.0	0.0	21.8	0.0
	Q2	0.0	0	0.0	0.0	19.6	0.0
	Q3	0.0	NR	0.0	3.2	17.6	0.0
	Q4	0.0	0	0.0	0.0	17.6	0
	MEAN	0.0	1.3	0.0	0.8	19.2	0.0
	RANGE	0 - 0	0 - 4	0 - 0	0 - 3.2	17.6 - 21.8	0 - 0
GP-37C	Q1	0.0	3	0.0	0.0	21.8	0.0
	Q2	0.0	0	0.0	0.0	19.8	0.0
	Q3	0.0	NR	0.0	1.4	18.3	0.0
	Q4	0.0	0	0.0	0.3	18.3	0.0
	MEAN	0.0	1.0	0.0	0.4	19.6	0.0
	RANGE	0 - 0	0 - 3	0 - 0	0 - 1.4	18.3 - 21.8	0 - 0
GP-37D	Q1	0.0	3	0.0	0.0	21.8	0.0
	Q2	0.0	0	0.0	0.0	20.2	0.0
	Q3	0.0	NR	0.0	1.7	19.1	0.0
	Q4	0.0	0	0.0	1.2	19.7	0.0
	MEAN	0.0	1.0	0.0	0.7	20.2	0.0
	RANGE	0 - 0	0 - 3	0 - 0	0 - 1.7	19.1 - 21.8	0 - 0
GP-38A	Q1	0.0	2	0.0	0.0	21.6	0.0
	Q2	0.0	0	0.0	0.0	21.2	0.0
	Q3	0.0	NR	0.0	2.8	17.8	0.0
	Q4	0.0	0	0.0	0.0	21.1	0.0
	MEAN	0.0	0.7	0.0	0.7	20.4	0.0
	RANGE	0 - 0	0 - 2	0 - 0	0 - 2.8	17.8 - 21.6	0 - 0
GP-38B	Q1	0.0	3	0.0	0.0	21.8	0.0
	Q2	0.0	0	0.0	0.0	21.6	0.0
	Q3	0.0	NR	0.0	3.1	17.2	0.0
	Q4	0.0	0	0.0	0.0	19.8	0.0
	MEAN	0.0	1.0	0.0	0.8	20.1	0.0
	RANGE	0 - 0	0 - 3	0 - 0	0 - 3.1	17.2 - 21.8	0 - 0
GP-38C	Q1	0.0	3	0.0	0.0	21.8	0.0
	Q2	0.0	0	0.0	0.0	21.7	0.0
	Q3	0.0	NR	0.0	2.9	19.9	0.0
	Q4	0.0	0	0.0	1.3	19.2	0.0
	MEAN	0.0	1.0	0.0	1.1	20.7	0.0
	RANGE	0 - 0	0 - 3	0 - 0	0 - 2.9	19.2 - 21.8	0 - 0
GP-38D	Q1	0.0	3	0.0	0.0	21.6	0.0
	Q2	0.0	0	0.0	0.0	21.5	0.0
	Q3	0.0	NR	0.0	1.5	21.2	0.0
	Q4	0.0	0	0.0	0.0	16.3	0.0
	MEAN	0.0	1.0	0.0	0.4	20.2	0.0
	RANGE	0 - 0	0 - 3	0 - 0	0 - 1.5	16.3 - 21.6	0 - 0
GP-39A	Q1	0.0	2	0.0	0.0	21.6	0.0
	Q2	NR	NR	NR	NR	NR	NC
	Q3	0.0	NR	0.0	1.6	18.8	0.0
	Q4	0.0	0	0.0	0.0	20.7	0.0
	MEAN	0.0	1.0	0.0	0.5	20.4	0.0
	RANGE	0 - 0	0 - 2	0 - 0	0 - 1.6	18.8 - 21.6	0 - 0
GP-39B	Q1	0.0	7	0.0	0.0	21.7	0.0
	Q2	0.0	0	0.0	0.0	19.9	0.0
	Q3	0.0	NR	0.0	3.1	17.2	0.0
	Q4	0.0	0	0.0	0.0	17.4	0.0
	MEAN	0.0	2.3	0.0	0.8	19.1	0.0
	RANGE	0 - 0	0 - 7	0 - 0	0 - 3.1	17.2 - 21.7	0 - 0
GP-39C	Q1	0.0	4	0.0	0.0	21.7	0.0
	Q2	0.0	0	0.0	0.0	19.8	0.0
	Q3	0.0	NR	0.0	2.9	19.9	0.0
	Q4	0.0	0	0.0	0.2	17.7	0.0
	MEAN	0.0	1.3	0.0	0.8	19.8	0.0
	RANGE	0 - 0	0 - 4	0 - 0	0 - 2.9	17.7 - 21.7	0 - 0
GP-39D	Q1	0.0	5	0.0	1.4	17.5	0.0
	Q2	0.0	0	0.0	1.4	16.6	0.0
	Q3	0.0	NR	0.0	1.5	21.2	0.0
	Q4	0.0	0	0.0	0.0	18.2	0.0
	MEAN	0.0	1.7	0.0	1.1	18.4	0.0
	RANGE	0 - 0	0 - 5	0 - 0	0 - 1.5	16.6 - 21.2	0 - 0

Notes:
Highlighted text indicates summary statistic
NR = not read
NC = not calculated
ppm = parts per million
LEL = Lower Explosive Limit

Table 4
Field Monitoring Results for Landfill Gas
Rose Hill Landfill
Rose Hill Road
South Kingstown, Rhode Island
Year 5

WELL ID	DATE	VOC	H2S	METHANE (%)	CARBON DIOXIDE (%)	OXYGEN (%)	LEL (%)
GP-40A	Q1	0.0	1	0.0	2.4	18.6	0.0
	Q2	0.0	0	0.0	2.4	17.6	0.0
	Q3	0.0	NR	0.0	5.8	13.8	0.0
	Q4	0.0	0	0.0	0.0	20.7	0.0
	MEAN	0.0	0.3	0.0	2.7	17.7	0.0
	RANGE	0 - 0	0 - 1	0 - 0	0 - 5.8	13.8 - 20.7	0 - 0
GP-40B	Q1	0.0	4	0.0	0.1	21.6	0.0
	Q2	0.0	0	0.0	0.1	20.8	0.0
	Q3	0.0	NR	0.0	3.2	17.6	0.0
	Q4	0.0	0	0.0	0.4	19.3	0.0
	MEAN	0.0	1.3	0.0	1.0	19.8	0.0
	RANGE	0 - 0	0 - 4	0 - 0	0.1 - 3.2	17.6 - 21.6	0 - 0
GP-40C	Q1	0.0	3	0.0	0.1	21.2	0.0
	Q2	0.0	0	0.0	0.1	20.8	0.0
	Q3	0.0	NR	0.0	1.3	16.5	0.0
	Q4	0.0	0	0.0	0.0	20.4	0.0
	MEAN	0.0	1.0	0.0	0.4	19.7	0.0
	RANGE	0 - 0	0 - 3	0 - 0	0 - 1.3	16.5 - 21.2	0 - 0
GP-40D	Q1	0.1	8	0.0	0.0	21.2	0.0
	Q2	0.0	0	0.0	0.0	20.6	0.0
	Q3	0.0	NR	0.0	1.6	19.8	0.0
	Q4	0.0	0	0.0	0.0	17.6	0.0
	MEAN	0.0	2.7	0.0	0.4	19.8	0.0
	RANGE	0 - 0.1	0 - 8	0 - 0	0 - 1.6	17.6 - 21.2	0 - 0
GP-40E	Q1	0.0	1	0.0	0.0	21.3	0.0
	Q2	0.0	0	0.0	0.0	21.1	0.0
	Q3	0.0	NR	0.0	2.2	17.2	0.0
	Q4	0.0	0	0.0	0.0	18.8	0.0
	MEAN	0.0	0.3	0.0	0.6	19.6	0.0
	RANGE	0 - 0	0 - 1	0 - 0	0 - 2.2	17.2 - 21.3	0 - 0
GP-41A	Q1	0.0	1	0.0	2.3	19.0	0.0
	Q2	NR	NR	NR	NR	NR	NC
	Q3	0.0	NR	0.0	2.7	17.4	NC
	Q4	0.0	0	0.0	0.6	19.9	0.0
	MEAN	0.0	0.5	0.0	1.9	18.8	0.0
	RANGE	0 - 0	0 - 1	0 - 0	0.6 - 2.7	17.4 - 19.9	0 - 0
GP-41B	Q1	0.0	0	0.0	0.0	16.3	0.0
	Q2	0.0	0	0.0	0.8	19.5	0.0
	Q3	0.0	NR	0.0	1.3	18.3	0.0
	Q4	0.0	0	0.0	0.9	19.5	0.0
	MEAN	0.0	0.0	0.0	0.8	18.4	0.0
	RANGE	0 - 0	0 - 0	0 - 0	0 - 1.3	16.3 - 19.5	0 - 0
GP-41C	Q1	0.0	10	0.1	0.8	20.1	2.0
	Q2	0.0	0	0.0	0.7	20.9	0.0
	Q3	0.0	NR	0.0	2.5	18.6	0.0
	Q4	NR	NR	NR	NR	NR	NC
	MEAN	0.0	5.0	0.0	1.3	19.9	0.7
	RANGE	0 - 0	0 - 10	0 - 0.1	0.7 - 2.5	18.6 - 20.9	0 - 2
GF	Q1	4.2	2	45.7	30.7	0.5	>100
	Q2	0.0	0	47.9	30.7	0.7	>100
	Q3	0.2	NR	55.8	42.2	0.2	>100
	Q4	0.0	1	34.0	30.8	2.6	>100
	MEAN	1.1	1.0	45.9	33.6	1.0	>100
	RANGE	0 - 4.2	0 - 2	34 - 55.8	30.7 - 42.2	0.2 - 2.6	>100

Notes:
Highlighted text indicates summary statistic
NR = not read
NC = not calculated
ppm = parts per million
LEL = Lower Explosive Limit

Table 5
Positive Laboratory Analytical Results for Groundwater
Rose Hill Landfill
Rose Hill Road
South Kingstown, Rhode Island
Year 5

SAMPLE IDENTIFICATION		MW-03-S			MW-03-BR			MW-03-BR (DUP)			MW-04-S			MW-04-DO			MW-05-S			MW-06-DO		
SCREEN LOCATION		Shallow Overburden			Bedrock			Bedrock			Shallow Overburden			Deep Overburden			Shallow Overburden			Deep Overburden		
WELL TYPE		Monitoring			Monitoring			Monitoring			Monitoring			Monitoring			Monitoring			Monitoring		
	Project Action Limit	Q1	Q2	Mean*	Q1	Q2	Mean	Q1	Q2	Mean	Q1	Q2	Mean	Q1	Q2	Mean	Q1	Q2	Mean	Q1	Q2	Mean
ANALYTE																						
Total Metals (mg/L)																						
Aluminum	3.7	0.01	<0.01	0.008	<0.01	<0.01	0.005	<0.01	<0.01	0.005	<0.01	<0.01	0.005	<0.01	<0.01	0.005	<0.01	<0.01	0.005	<0.01	<0.01	0.005
Antimony	0.0060	<0.0005	<0.0005	0.0003	0.0006	<0.0005	0.0004	0.0006	<0.0005	0.0004	0.0013	0.0006	0.0010	<0.0005	0.0007	0.0005	<0.0005	0.0015	0.0009	<0.0005	0.0024	0.0013
Arsenic	0.0100	<0.0005	<0.0005	0.0003	<0.0005	<0.0005	0.0003	<0.0005	<0.0005	0.0003	0.0007	0.0008	0.0008	0.0005	0.001	0.0008	<0.0005	<0.0005	0.0003	<0.0005	0.0007	0.0005
Barium	2.0	0.0023	0.0022	0.0023	0.0006	0.0006	0.0006	0.0005	<0.0005	0.0004	0.0138	0.0139	0.0139	0.0258	0.025	0.0254	0.0017	0.0014	0.0014	0.0355	0.0383	0.0369
Beryllium	0.0040	<0.0005	<0.0005	0.0003	<0.0005	<0.0005	0.0003	<0.0005	<0.0005	0.0003	<0.0005	<0.0005	0.0003	<0.0005	<0.0005	0.0003	<0.0005	<0.0005	0.0003	<0.0005	<0.0005	0.0003
Cadmium	0.0050	<0.0002	<0.0005	0.0002	<0.0002	<0.0005	0.0002	<0.0002	<0.0005	0.0002	<0.0002	<0.0005	0.0002	<0.0002	<0.0005	0.0002	<0.0002	<0.0005	0.0002	<0.0002	<0.0005	0.0002
Chromium	0.1100	<0.001	<0.001	0.0005	<0.001	<0.001	0.0005	<0.001	<0.001	0.0005	<0.001	<0.001	0.0005	<0.001	<0.001	0.0005	<0.001	<0.001	0.0005	<0.001	<0.001	0.0005
Lead	0.0150	<0.001	<0.001	0.0005	<0.001	<0.001	0.0005	<0.001	<0.001	0.0005	<0.001	<0.001	0.0005	<0.001	<0.001	0.0005	<0.001	<0.001	0.0005	<0.001	<0.001	0.0005
Manganese	0.3000	0.0197	0.0107	0.0152	0.0186	**0.4248**	0.2217	0.0224	**0.4545**	0.2385	**3.678**	**3.628**	**3.653**	**1.403**	**2.466**	**1.935**	0.0015	0.0008	0.0012	**1.52**	**1.613**	**1.567**
Sodium	NE	12.0	10.4	11.2	16.0	14.4	15.2	17.0	15.1	16.1	8.1	8	7.9	12.0	11	11.5	13.0	15	13.8	15.0	15.9	15.5
Thallium	0.0020	<0.0002	<0.0005	0.0002	<0.0002	<0.0005	0.0002	<0.0002	<0.0005	0.0002	<0.0002	<0.0005	0.0002	<0.0002	<0.0005	0.0002	<0.0002	<0.0005	0.0002	<0.0002	<0.0005	0.0002
Vanadium	0.2600	<0.005	<0.005	0.0025	<0.005	<0.005	0.0025	<0.005	<0.005	0.0025	<0.005	<0.005	0.0025	<0.005	<0.005	0.0025	<0.005	<0.005	0.0025	<0.005	<0.005	0.0025
Zinc	11	0.0104	0.019	0.0147	0.0111	0.0311	0.0211	0.0172	0.0186	0.0179	0.0113	0.0171	0.0142	0.0109	0.0174	0.0142	<0.01	0.0199	0.0125	0.0113	0.0201	0.0157
Volatile Organic Compounds (µg/L)																						
1,1-Dichloroethane	800	<0.75	<0.75	0.38	<0.75	<0.75	0.38	<0.75	<0.75	0.38	<0.75	<0.75	0.38	1.3	1.4	1.35	<0.75	<0.75	0.38	<0.75	2	1.2
Benzene	5	<0.5	<0.5	0.25	<0.5	<0.5	0.25	<0.5	<0.5	0.25	<0.5	<0.5	0.25	<0.5	<0.5	0.25	<0.5	<0.5	0.25	<0.5	0.58	0.4
Chlorobenzene	100	<0.5	<0.5	0.25	<0.5	<0.5	0.25	<0.5	<0.5	0.25	<0.5	<0.5	0.25	<0.5	<0.5	0.25	<0.5	<0.5	0.25	<0.5	<0.5	0.3
Chloroethane	21,000	<1	<1	0.50	<1	<1	0.50	<1	<1	0.50	<1	<1	0.50	<1	2.1	1.30	<1	<1	0.50	<1	3	1.8
cis-1,2-Dichloroethene	70	<0.5	<0.5	0.25	<0.5	<0.5	0.25	<0.5	<0.5	0.25	<0.5	<0.5	0.25	5.1	4.5	4.80	<0.5	<0.5	0.25	<0.5	<0.5	0.3
Ethyl ether	1,200	<2.5	<2.5	1.25	<2.5	<2.5	1.25	<2.5	<2.5	1.25	<2.5	<2.5	1.25	<2.5	<2.5	1.25	<2.5	<2.5	1.25	<2.5	<2.5	1.3
Methyl tert butyl ether	12.00	<1	<1	0.50	<1	<1	0.50	<1	<1	0.50	<1	<1	0.50	<1	<1	0.50	<1	<1	0.50	<1	<1	0.5
n-Propylbenzene	NE	<0.5	<0.5	0.25	<0.5	<0.5	0.25	<0.5	<0.5	0.25	<0.5	<0.5	0.25	<0.5	<0.5	0.25	<0.5	<0.5	0.25	<0.5	<0.5	0.3
Vinyl chloride	2	<1	<1	0.50	<1	<1	0.50	<1	<1	0.50	<1	<1	0.50	**7**	**7.5**	**7.25**	<1	<1	0.50	<1	<1	0.5
Semi Volatile Organic Compounds (µg/L)																						
Bis(2-ethylhexyl)phthalate	6	<3	<3	1.50	<2.9	<3	1.48	<3	<3	1.50	<3	<3	1.50	<3	<3	1.50	<3	<3	1.50	<3	<3	1.5

Notes:
Q1 - first quarter, Q2 - second quarter
bold, highlighted text indicates equals or exceeds the Project Action Limit (PAL)
bold, patterned text indicates PAL lower than method quantification limit
Highlighted text indicates summary statistic
mg/L = milligrams per liter
µg/L - micrograms per liter
NE - none established
< - not detected above the method quantitation limit
*1/2 value of Method Quantitation Limit used in calculation of mean where analyte detected in a single sample

Table 5
Positive Laboratory Analytical Results for Groundwater
Rose Hill Landfill
Rose Hill Road
South Kingstown, Rhode Island
Year 5

SAMPLE IDENTIFICATION		MW-06-DO (DUP)			MW-07-DO			MW-07-BR			MW-11-S			MW-11-DO			MW-11-BR			MW-12-S		
SCREEN LOCATION		Deep Overburden			Deep Overburden			Bedrock			Shallow Overburden			Deep Overburden			Bedrock			Shallow Overburden		
WELL TYPE		Monitoring			Monitoring			Monitoring			Monitoring			Monitoring			Monitoring			Monitoring		
	Project Action Limit	Q1	Q2	Mean	Q1	Q2	Mean	Q1	Q2	Mean	Q1	Q2	Mean	Q1	Q2	Mean	Q1	Q2	Mean	Q1	Q2	Mean
ANALYTE																						
Total Metals (mg/L)																						
Aluminum	3.7	<0.01	<0.01	0.005	0.438	NA	0.438	<0.01	<0.01	0.005	0.037	0.012	0.025	0.013	<0.01	0.009	<0.01	<0.01	0.005	0.038	0.025	0.032
Antimony	0.0060	<0.0005	0.0022	0.0012	0.0008	NA	0.0008	<0.0005	0.0012	0.0007	<0.0005	0.0036	0.0019	<0.0005	0.0025	0.0014	<0.0005	0.0016	0.0009	<0.0005	<0.0005	0.0003
Arsenic	0.0100	0.0007	0.0008	0.0008	<0.0005	NA	0.0003	0.0009	0.0006	0.0008	0.0016	0.0017	0.0017	<0.0005	<0.0005	0.0003	<0.0005	<0.0005	0.0003	0.0006	0.0006	0.0006
Barium	2.0	0.0388	0.0383	0.0386	0.0369	NA	0.0369	0.0162	0.0146	0.0154	0.0802	0.079	0.0796	0.0404	0.0443	0.0424	0.0426	0.0431	0.0429	0.0244	0.0338	0.0291
Beryllium	0.0040	<0.0005	<0.0005	0.0003	<0.0005	NA	0.0003	<0.0005	<0.0005	0.0003	<0.0005	<0.0005	0.0003	<0.0005	<0.0005	0.0003	<0.0005	<0.0005	0.0003	<0.0005	<0.0005	0.0003
Cadmium	0.0050	<0.0002	<0.0005	0.0002	0.0004	NA	0.0004	<0.0002	<0.0005	0.0002	<0.0002	<0.0005	0.0002	<0.0002	<0.0005	0.0002	<0.0002	<0.0005	0.0002	<0.0002	0.0009	0.0005
Chromium	0.1100	<0.001	<0.001	0.0005	0.0017	NA	0.0017	<0.001	<0.001	0.0005	<0.001	<0.001	0.0005	<0.001	<0.001	0.0005	<0.001	<0.001	0.0005	<0.001	<0.001	0.0005
Lead	0.0150	<0.001	<0.001	0.0005	0.0017	NA	0.0017	<0.001	<0.001	0.0005	<0.001	<0.001	0.0005	<0.001	<0.001	0.0005	<0.001	<0.001	0.0005	<0.001	<0.001	0.0005
Manganese	0.3000	**1.588**	**1.613**	**1.601**	**0.9777**	NA	**0.9777**	0.0025	0.0044	0.0035	**3.067**	**2.726**	**2.897**	**1.379**	**1.556**	**1.468**	0.0051	0.0007	0.0029	**2.342**	**2.552**	**2.447**
Sodium	NE	16.0	16	16.0	19.0	NA	19.0	54.0	54	54.1	19.0	20.1	19.6	17.0	18.1	17.6	67.0	71.0	69.0	6.8	7.0	6.9
Thallium	0.0020	<0.0002	<0.0005	0.0002	<0.0002	NA	0.0001	<0.0002	<0.0005	0.0002	<0.0002	<0.0005	0.0002	<0.0002	<0.0005	0.0002	<0.0002	<0.0005	0.0002	<0.0002	<0.0005	0.0002
Vanadium	0.2600	<0.005	<0.005	0.0025	<0.005	NA	0.0025	<0.005	<0.005	0.0025	<0.005	<0.005	0.0025	<0.005	<0.005	0.0025	<0.005	<0.005	0.0025	<0.005	<0.005	0.0025
Zinc	11	0.0119	0.0165	0.0142	0.0299	NA	0.0299	0.0125	0.0259	0.0192	0.0119	0.0173	0.0146	0.0223	0.0288	0.0256	<0.01	0.0166	0.0108	0.0201	0.0224	0.0213
Volatile Organic Compounds (µg/L)																						
1,1-Dichloroethane	800	0.76	1.9	1.3	<0.75	NA	0.38	2.3	2.2	2.3	2.2	2.9	2.6	<0.75	1	0.69	<0.75	<0.75	0.38	<0.75	<0.75	0.38
Benzene	5	<0.5	0.58	0.4	<0.5	NA	0.25	<0.5	<0.5	0.3	0.91	0.89	0.9	<0.5	<0.5	0.25	<0.5	<0.5	0.25	<0.5	<0.5	0.25
Chlorobenzene	100	<0.5	<0.5	0.3	1	NA	1.00	<0.5	<0.5	0.3	0.92	0.89	0.9	<0.5	<0.5	0.25	<0.5	<0.5	0.25	1.2	1.2	1.20
Chloroethane	21,000	<1	2.9	1.7	<1	NA	0.50	<1	<1	0.5	4	4.5	4.3	<1	2.2	1.35	<1	<1	0.50	<1	<1	0.50
cis-1,2-Dichloroethene	70	<0.5	<0.5	0.3	33	NA	33.00	1.1	0.51	0.8	<0.5	<0.5	0.3	<0.5	<0.5	0.25	<0.5	<0.5	0.25	<0.5	<0.5	0.25
Ethyl ether	1,200	<2.5	<2.5	1.3	<2.5	NA	1.25	8.1	2.5	5.3	2.5	<2.5	1.9	<2.5	<2.5	1.25	<2.5	<2.5	1.25	<2.5	<2.5	1.25
Methyl tert butyl ether	12.00	<1	<1	0.5	<1		0.50	<1	<1	0.5	<1	<1	0.5	<1	<1	0.50	<1	<1	0.50	<1	<1	0.50
n-Propylbenzene	NE	<0.5	<0.5	0.3	2.2		2.20	<0.5	<0.5	0.3	<3	<3	1.5	<3	<3	1.50	<3	<3	1.50	<0.5	<0.5	0.25
Vinyl chloride	2	<1	<1	0.5	**26**	NA	**26**	<1	<1	0.5	<1	<1	0.5	<1	<1	0.50	<1	<1	0.50	<1	<1	0.50
Semi Volatile Organic Compounds (µg/L)																						
Bis(2-ethylhexyl)phthalate	6	**22**	<3	**11.8**	<3	<3	1.50	<3	<3	1.5	4	<3	2.8	<2.9	<3	1.48	<2.9	<3	1.48	<3	<3	1.50

Notes:
Q1 - first quarter, Q2 - second quarter
bold, highlighted text indicates equals or exceeds the P
bold, patterned text indicates PAL lower than method d
Highlighted text indicates summary statistic
mg/L = milligrams per liter
µg/L - micrograms per liter
NE - none established
< - not detected above the method quantitation limit
*1/2 value of Method Quantitation Limit used in calculat

Table 5
Positive Laboratory Analytical Results for Groundwater
Rose Hill Landfill
Rose Hill Road
South Kingstown, Rhode Island
Year 5

SAMPLE IDENTIFICATION		MW-12-DO			MW-13-S			RES #7			RES #10			RES #11			RES #11 (DUP)			RES #12		
SCREEN LOCATION		Deep Overburden			Shallow Overburden			(Residential)			(Residential)			(Residential)			(Residential)			(Residential)		
WELL TYPE		Monitoring			Monitoring			Residential			Residential			Residential			Residential			Residential		
	Project Action Limit	Q1	Q2	Mean	Q1	Q2	Mean	Q1	Q2	Mean	Q1	Q2	Mean	Q1	Q2	Mean	Q1	Q2	Mean	Q1	Q2	Mean
ANALYTE																						
Total Metals (mg/L)																						
Aluminum	3.7	<0.01	<0.01	0.005	0.128	0.362	0.245	<0.01	NA	0.005	<0.01	<0.01	0.005	0.04	<0.01	0.02	0.016	<0.01	0.011	<0.01	<0.01	0.005
Antimony	0.0060	<0.0005	<0.0005	0.0003	<0.0005	0.0011	0.0007	<0.0005	NA	0.0003	<0.0005	0.0016	0.0009	<0.0005	0.0015	0.0009	<0.0005	0.0011	0.0007	<0.0005	0.0005	0.0004
Arsenic	0.0100	0.001	0.0008	0.0009	<0.0005	<0.0005	0.0003	<0.0005	NA	0.0003	<0.0005	<0.0005	0.0003	<0.0005	<0.0005	0.0003	<0.0005	<0.0005	0.0003	<0.0005	<0.0005	0.0003
Barium	2.0	0.0057	0.0035	0.0046	0.0053	0.0061	0.0057	0.0014	NA	0.0014	<0.0005	<0.0005	0.0003	0.0082	0.0082	0.0082	0.0083	0.0084	0.0084	0.0016	<0.0005	0.0009
Beryllium	0.0040	<0.0005	<0.0005	0.0003	<0.0005	<0.0005	0.0003	<0.0005	NA	0.0003	<0.0005	<0.0005	0.0003	<0.0005	<0.0005	0.0003	<0.0005	<0.0005	0.0003	<0.0005	<0.0005	0.0003
Cadmium	0.0050	<0.0002	<0.0005	0.0002	<0.0002	<0.0005	0.0002	<0.0002	NA	0.0001	<0.0002	<0.0005	0.0002	<0.0002	<0.0005	0.0002	<0.0002	<0.0005	0.0002	<0.0002	<0.0005	0.0002
Chromium	0.1100	<0.001	<0.001	0.0005	<0.001	<0.001	0.0005	<0.001	NA	0.0005	<0.001	<0.001	0.0005	<0.001	<0.001	0.0005	<0.001	<0.001	0.0005	<0.001	<0.001	0.0005
Lead	0.0150	<0.001	<0.001	0.0005	<0.001	<0.001	0.0005	<0.001	NA	0.0005	<0.001	<0.001	0.0005	0.0012	0.0012	0.0012	0.0011	0.0013	0.0012	0.0018	<0.001	0.0012
Manganese	0.3000	**0.9128**	**2.722**	**1.817**	0.0304	0.2502	0.1403	<0.001	NA	0.0005	<0.001	0.0007	0.0006	0.059	0.0667	0.0629	0.0599	0.0678	0.0639	0.0013	<0.0005	0.0008
Sodium	NE	14.0	10.5	12.3	11.0	10.4	10.7	35.0	NA	35.0	33.0	30.7	31.9	6.3	7.1	6.7	6.8	6.2	6.5	9.7	<0.1	4.9
Thallium	0.0020	<0.0002	<0.0005	0.0002	<0.0002	<0.0005	0.0002	<0.0002	NA	0.0001	<0.0002	<0.0005	0.0002	<0.0002	<0.0005	0.0002	<0.0002	<0.0005	0.0002	<0.0002	<0.0005	0.0002
Vanadium	0.2600	<0.005	<0.005	0.0025	<0.005	<0.005	0.0025	<0.005	NA	0.0025	<0.005	<0.005	0.0025	<0.005	<0.005	0.0025	<0.005	<0.005	0.0025	<0.005	<0.005	0.0025
Zinc	11	0.0106	0.0182	0.0144	0.0142	0.0246	0.0194	<0.01	NA	0.0050	0.0219	0.0257	0.0238	0.0303	0.0386	0.0345	0.0286	0.0467	0.0377	0.0168	0.0183	0.0176
Volatile Organic Compounds (µg/L)																						
1,1-Dichloroethane	800	<0.75	<0.75	0.38	<0.75	<0.75	0.38	<0.75	NA	0.38	<0.75	<0.75	0.38	<0.75	<0.75	0.38	<0.75	<0.75	0.38	<0.75	<0.75	0.38
Benzene	5	<0.5	<0.5	0.25	<0.5	<0.5	0.25	<0.5	NA	0.25	<0.5	<0.5	0.25	<0.5	<0.5	0.25	<0.5	<0.5	0.25	<0.5	<0.5	0.25
Chlorobenzene	100	<0.5	<0.5	0.25	<0.5	<0.5	0.25	<0.5	NA	0.25	<0.5	<0.5	0.25	<0.5	<0.5	0.25	<0.5	<0.5	0.25	<0.5	<0.5	0.25
Chloroethane	21,000	<1	<1	0.50	<1	<1	0.50	<1	NA	0.50	<1	<1	0.50	<1	<1	0.50	<1	<1	0.50	<1	<1	0.50
cis-1,2-Dichloroethene	70	<0.5	<0.5	0.25	<0.5	<0.5	0.25	<0.5	NA	0.25	<0.5	<0.5	0.25	<0.5	<0.5	0.25	<0.5	<0.5	0.25	<0.5	<0.5	0.25
Ethyl ether	1,200	<2.5	<2.5	1.25	<2.5	<2.5	1.25	<2.5	NA	1.25	<2.5	<2.5	1.25	<2.5	<2.5	1.25	<2.5	<2.5	1.25	<2.5	<2.5	1.25
Methyl tert butyl ether	12.00	<1	<1	0.50	<1	<1	0.50	1.7		1.70	<1	<1	0.50	<1	<1	0.50	<1	<1	0.50	<1	<1	0.50
n-Propylbenzene	NE	<0.5	<0.5	0.25	<0.5	<0.5	0.25	<0.5		0.25	<0.5	<0.5	0.25	<0.5	<0.5	0.25	<0.5	<0.5	0.25	<0.5	<0.5	0.25
Vinyl chloride	2	<1	<1	0.50	<1	<1	0.50	<1	NA	0.50	<1	<1	0.50	<1	<1	0.50	<1	<1	0.50	<1	<1	0.50
Semi Volatile Organic Compounds (µg/L)																						
Bis(2-ethylhexyl)phthalate	6	<3	<3	1.50	<2.9	<3	1.48	<3	<3	1.50	<3	<3	1.50	<3	<3	1.50	<3	<3	1.50	<3	<3	1.50

Notes:
Q1 - first quarter, Q2 - second quarter
bold, highlighted text indicates equals or exceeds the P
bold, patterned text indicates PAL lower than method d
Highlighted text indicates summary statistic
mg/L = milligrams per liter
µg/L - micrograms per liter
NE - none established
< - not detected above the method quantitation limit
*1/2 value of Method Quantitation Limit used in calculat

Table 6
Positive Laboratory Analytical Results for Surface Water
Rose Hill Landfill
Rose Hill Road
South Kingstown, Rhode Island
Year 5

WATERBODY		Mitchell Brook															Saugatucket River											
SAMPLE IDENTIFICATION		SW-13			SW-01 (unnamed tributary)			SW-09			SW-09 (DUP)			SW-12			SW-02			SW-04			SW-17			SW-06		
	Project Action Limit*	Q1	Q2	Mean*	Q1	Q2	Mean	Q1	Q2	Mean	Q1	Q2	Mean	Q1	Q2	Mean	Q1	Q2	Mean	Q1	Q2	Mean	Q1	Q2	Mean	Q1	Q2	Mean
ANALYTE																												
Total Metals (µg/L)																												
Aluminum	87	**163**	**390**	**277**	24	65	45	82	73	78	80	86	83	**212**	12	**112**	**262**	**181**	**222**	**127**	**187**	**157**	83	82	83	72	**141**	**107**
Arsenic	150	<0.5	<0.5	0.25	0.8	1	0.90	<0.5	<0.5	0.25	<0.5	<0.5	0.25	<0.5	<0.5	0.25	0.5	<0.5	0.38	<0.5	<0.5	0.25	<0.5	<0.5	0.25	<0.5	<0.5	0.25
Cadmium	0.07	**<0.2**	**<0.5**	**0.25**	**<0.2**	**<0.5**	**0.25**	**<0.2**	**<0.5**	**0.25**	**<0.2**	**<0.5**	**0.25**	**<0.2**	**<0.5**	**0.25**	**<0.2**	**<0.5**	**0.25**	**<0.2**	**<0.5**	**0.25**	**<0.2**	**<0.5**	**0.25**	**<0.2**	**<0.5**	**0.25**
Chromium	16	<1	<1.0	0.50	<1	<1.0	0.50	<1	<1.0	0.50	<1	<1.0	0.50	1.2	<1.0	0.85	<1	<1.0	0.50	<1	<1.0	0.50	<1	<1.0	0.5	<1	<1.0	0.5
Copper	1.8	**3.5**	1.6	**2.6**	1.6	**3.8**	**2.7**	**2**	**3.4**	**2.7**	**1.9**	**3.1**	**2.5**	**2.7**	**4.4**	**3.6**	1.4	**2.5**	**2.0**	**2.7**	**2.1**	**2.4**	**3.5**	**3.2**	**3.4**	1	1.6	1.3
Iron	1000	264	704	484	516	**2,090**	**1303**	308	665	487	303	672	488	**2,840**	**1,490**	**2165**	371	396	384	439	**1,650**	**1045**	396	**3,420**	**1908**	630	**2,510**	**1570**
Lead	0.3	**2.5**	**2**	**2.3**	**7.8**	**24.2**	**16.0**	<1	<1.0	**0.50**	<1	**1.1**	**0.80**	**17.4**	<1.0	**9.0**	**2.1**	**2.3**	**2.2**	**1.1**	**4**	**2.6**	<1	**1.6**	**1.1**	<1	**1.5**	**1.0**
Manganese	300	23.8	97.6	61	97.2	**365.5**	231	47.8	185.5	117	42.6	183.1	113	194.9	**556.2**	**376**	80.5	197	139	272.1	**623.2**	**448**	173.2	**367**	270	145.8	**308**	227
Nickel	100	1.6	<0.5	0.93	<0.5	<0.5	0.25	2	0.6	1.3	2	0.6	1.30	1.4	1.3	1.35	0.6	<0.5	0.43	0.8	1.9	1.35	0.7	0.9	0.80	<0.5	0.5	0.38
Zinc	24	**97.3**	**30**	**63.7**	16.6	**31.1**	23.9	**75**	**209.3**	**142**	**29.6**	**61.7**	**45.7**	**142.7**	**59.2**	**101**	**29.4**	**29.1**	**29.3**	**816.2**	**84.6**	**450**	**57.7**	**52.4**	**55.1**	**64.1**	**125.4**	**94.8**
Dissolved Metals (µg/L)																												
Aluminum	87	**462**	**144**	**303**	16	26	21	63	27	45	69	26	48	40	<10	20	84	19	52	70	16	43	69	<10	35	52	11	32
Arsenic	150	<0.5	<0.5	0.25	0.6	0.7	0.65	<0.5	<0.5	0.25	<0.5	<0.5	0.25	<0.5	1	0.63	<0.5	<0.5	0.25	<0.5	<0.5	0.25	<0.5	<0.5	0.25	<0.5	<0.5	0.25
Cadmium	0.07	**<0.2**	**<0.5**	**0.18**	**<0.2**	**<0.5**	**0.18**	**<0.2**	**<0.5**	**0.18**	**<0.2**	**<0.5**	**0.18**	**<0.2**	**<0.5**	**0.18**	**<0.2**	**<0.5**	**0.18**	**<0.2**	**<0.5**	**0.18**	**<0.2**	**<0.5**	**0.3**	**<0.2**	**<0.5**	**0.2**
Chromium	16	<1	<1.0	0.50	<1	<1.0	0.50	<1	<1.0	0.50	<1	<1.0	0.50	<1	<1.0	0.50	<1	<1.0	0.50	<1	<1.0	0.50	<1	<1.0	0.50	<1	<1.0	0.50
Copper	1.8	**5.8**	1.2	**3.5**	1.4	1.7	1.6	**2.2**	**2.6**	**2.4**	**2.2**	1.5	**1.9**	1.4	**4.1**	**2.8**	1.4	1.5	1.5	**2.4**	**1.8**	**2.1**	**3.7**	1.6	**2.7**	<1	1.6	1.1
Iron	1000	292	352	322	397	**1210**	804	231	155	193	252	174	213	442	148	295	175	58	117	207	151	179	314	322	318	447	279	363
Lead	0.3	**15.5**	<1.0	**8.0**	**4.8**	**9.5**	**7.2**	<1	<1.0	**0.50**	<1	<1.0	**0.50**	**1.1**	<1.0	**0.8**	<1	<1.0	**0.50**	<1	<1.0	**0.50**	<1	<1.0	**0.5**	<1	<1.0	**0.5**
Manganese	300	251.6	36.7	144.2	78.8	103.8	91.3	39.1	94.3	66.7	40.6	88.3	64.5	116.5	**513**	**315**	33.5	2.7	18.1	245.1	**408.9**	**327**	129.6	197.6	163.6	132.3	204.2	168.3
Nickel	100	2.5	<1.0	1.5	0.5	<1.0	0.50	2.1	0.7	1.4	2.1	<1.0	1.3	0.9	1.4	1.2	0.7	<1.0	0.60	0.9	1.1	1.0	1	0.6	0.8	0.6	<1.0	0.6
Zinc	24	**125.8**	**28.9**	**77.4**	12.5	17.1	14.8	**39.1**	**49.8**	**44.5**	**40.6**	**24.9**	**32.8**	**38.4**	**41.5**	**40.0**	14.4	<10	7.5	**665.5**	19.2	**342**	**48.9**	18.3	**33.6**	**54**	**38.1**	**46.1**
Total Organic Carbon, Ammonia, Nitrate (mg/L)																												
Cyanide	0.0052	<0.005	<0.005	0.00025	<0.005	<0.005	0.00025	<0.005	<0.005	0.00025	<0.005	<0.005	0.00025	<0.005	<0.005	0.00025	<0.005	<0.005	0.00025	<0.005	<0.005	0.00025	<0.005	<0.005	0.00025	<0.005	<0.005	0.00025
Nitrogen, Ammonia	NE	0.09	0.298	0.19	0.087	0.12	0.10	<0.075	0.158	0.10	<0.075	0.12	0.08	0.196	0.717	0.46	0.134	0.111	0.12	0.271	0.188	0.23	0.204	0.247	0.23	0.352	0.602	0.48
Nitrogen, Nitrate	10	0.93	1	0.97	0.11	0.24	0.18	<0.1	0.39	0.22	<0.1	0.17	0.11	0.21	0.94	0.58	0.73	0.9	0.82	0.83	0.94	0.89	1	0.84	0.92	0.7	0.94	0.82
Phosphorus	NE	0.04	0.14	0.09	0.018	0.101	0.06	0.011	0.025	0.02	0.014	0.053	0.03	0.074	0.016	0.05	0.067	0.063	0.07	0.045	0.086	0.07	0.034	0.058	0.05	0.029	0.051	0.04
Sulfide	0.11	<0.1	<0.1	0.05	<0.1	<0.1	0.05	<0.1	<0.1	0.05	<0.1	<0.1	0.05	<0.1	<0.1	0.05	<0.1	<0.1	0.05	<0.1	<0.1	0.05	<0.1	<0.1	0.05	<0.1	<0.1	0.05
Total Organic Carbon	NE	6.6	5.6	6.1	4.4	7.6	6.0	4	3.6	3.8	4	3.5	3.8	4	4	4.0	4.9	3	4.0	6.1	3.3	4.7	5.5	3.7	4.6	4.5	3.4	4.0
Hardness	NE	12	11	12	20	16	18	12	12	12	11	12	12	15	45	30	19	24	22	21	32	27	21	27	24	21	27	24

Notes;
Q1 - first quarter, Q2 - second quarter
bold, highlighted text indicates equals or exceeds the Project Action Limit (PAL)
Highlighted text indicates summary statistic
bold, pattened text indicates PAL lower than method quantitation limit
µg/L - micrograms per liter
mg/L - milligrams per liter
NE - none established
< - not detected above the Method Quantitation Limit
*1/2 value of MQL used in calculation of mean where analyte detected in a single sample,

Table 7
Comparison of Positive Laboratory Analytical Results for Landfill Gas (VOCs, First through Fourth Quarters)
Rose Hill Landfill
Rose Hill Road
South Kingstown, Rhode Island
Year 5

SAMPLE IDENTIFICATION		GP-11						GP-11 (DUP)					
		ppbv						ppbv					
	*Project Action Limit (ppbv)	Q1	Q2	Q3	Q4	RANGE	MEAN	Q1	Q2	Q3	Q4	RANGE	MEAN
Volatile Organic Compounds in Air													
1,1,1-Trichloroethane	700	<0.2	<0.2	<0.2	<0.4	<0.2-<0.4	0.125	<0.2	<0.2	<0.2	<0.4	<0.2-<0.4	0.125
1,1-Dichloroethane	0.1	**<0.2**	**<0.2**	**<0.2**	**<0.4**	**<0.2-<0.4**	**0.125**	**<0.2**	<0.2	**<0.2**	**<0.4**	<0.2-<0.4	**0.125**
1,1-Dichloroethene	50	<0.2	<0.2	<0.2	<0.4	<0.2-<0.4	0.125	<0.2	<0.2	<0.2	<0.4	<0.2-<0.4	0.125
1,2,4-Trimethylbenzene	60	8.54	<0.2	0.423	<0.4	<0.2-8.54	2.32	0.242	<0.2	<0.2	<0.4	<0.2-0.242	0.161
1,3,5-Trimethylbenzene	60	1.84	<0.2	<0.2	<0.4	<0.2-1.84	0.560	<0.2	<0.2	<0.2	<0.4	<0.2-<0.4	0.125
2-Butanone	1,000	31.3	11.4	2.66	4.33	2.66 - 31.3	12.4	19.9	33.6	10.6	1.41	1.41 - 33.6	8.00
Benzene	9	0.484	0.539	0.472	<0.4	<0.4-0.539	0.424	1.15	0.632	0.323	<0.4	0.323 - 1.15	0.443
Carbon disulfide	200	0.585	2.93	0.231	<0.4	0.231-2.93	0.987	1.43	2.08	0.38	<0.4	0.38-2.08	0.528
Chloroethane	4000	<0.2	0.27	<0.2	<0.4	0.27 - 0.27	0.168	<0.2	0.302	<0.2	<0.4	<0.2-<0.4	0.125
Chloroform	0.04	**<0.2**	**0.571**	**<0.2**	**<0.4**	**<0.2-0.571**	**0.243**	**<0.2**	**0.584**	**<0.2**	**<0.4**	**<0.2-0.584**	**0.125**
Chloromethane	200	1.51	2.1	0.536	0.656	0.536 - 2.1	1.20	1.57	1.98	0.715	0.41	0.41 - 1.98	0.699
cis-1,2-Dichloroethene	200	<0.2	<0.2	<0.2	<0.4	<0.2-<0.4	0.125	<0.2	<0.2	<0.2	<0.4	<0.2-<0.4	8.50
Cyclohexane	2,000	<0.2	1.04	<0.2	<0.4	<0.2-1.04	0.360	<0.2	2.45	<0.2	<0.4	<0.2-2.45	0.125
Dichlorodifluoromethane	100	0.457	0.568	0.934	1.23	0.457 - 1.23	0.797	0.359	0.415	1.31	1.57	0.359 - 1.57	0.835
Ethylbenzene	200	1.59	<0.2	<0.2	<0.4	<0.2-1.59	0.498	<0.2	<0.2	<0.2	<0.4	<0.2-<0.4	0.620
Freon-113	NE	<0.2	<0.2	<0.2	<0.4	<0.2-<0.4	0.125	0.231	<0.2	<0.2	<0.4	<0.2-<0.4	0.158
Freon-114	NE	<0.2	<0.2	0.613	0.682	<0.2 - 0.682	0.374	<0.2	<0.2	0.613	0.83	<0.2-0.83	0.411
Methylene chloride	300	<1	<1	<1	<2	<1-<2	0.625	<1	<1	<1	<2	<1-<2	0.995
n-Hexane	50	0.322	0.266	0.288	<0.4	0.266-<0.4	0.269	0.583	0.437	0.23	<0.4	0.23 - 0.583	0.278
o-Xylene	700	2.46	<0.2	0.239	<0.4	<0.2-2.46	0.750	<0.2	<0.2	<0.2	<0.4	<0.2-<0.4	0.125
p/m-Xylene	700	2.84	<0.4	0.492	<0.8	<0.4-2.84	0.983	<0.4	<0.4	<0.4	<0.8	<0.4-<0.8	0.813
Propylene	2,000	10.9	5.05	1.25	2.71	1.25 - 10.9	4.98	12.7	7.55	4.96	2.44	2.44 - 12.7	5.13
Styrene	200	0.691	<0.2	<0.2	<0.4	<0.2-0.691	0.273	<0.2	<0.2	<0.2	<0.4	<0.2-<0.4	0.125
Tetrachloroethene	0.03	**<0.2**	**<0.2**	**<0.2**	**<0.4**	**<0.2-<0.4**	**0.125**	**<0.2**	**<0.2**	**<0.2**	**<0.4**	**<0.2-<0.4**	**0.125**
Toluene	100	3.79	0.559	2.41	<0.4	0.559 - 3.79	1.74	1.03	0.673	0.635	<0.4	<0.4-1.03	0.491
trans-1,2-Dichloroethene	20	<0.2	<0.2	<0.2	<0.4	<0.2-<0.4	0.125	<0.2	<0.2	<0.2	<0.4	<0.2-<0.4	0.125
Trichloroethene	90	<0.2	<0.2	<0.2	<0.4	<0.2-<0.4	0.125	<0.2	<0.2	<0.2	<0.4	<0.2-<0.4	0.225
Trichlorofluoromethane	200	<0.2	0.243	0.309	0.406	<0.2-0.406	0.265	0.259	<0.2	0.205	0.400	<0.2-0.400	0.325
Vinyl chloride	40	<0.2	0.233	<0.2	<0.4	<0.2-0.233	0.158	<0.2	<0.2	<0.2	<0.4	<0.2-<0.4	0.125

SAMPLE IDENTIFICATION		GP-16						GP-18					
		ppbv						ppbv					
	*Project Action Limit (ppbv)	Q1	Q2	Q3	Q4	RANGE	MEAN	Q1	Q2	Q3	Q4	RANGE	MEAN
Volatile Organic Compounds in Air													
1,1,1-Trichloroethane	700	<0.2	<0.2	<0.2	<0.2	<0.2	0.100	<0.2	<0.2	0.396	<0.2	<0.2-0.396	0.174
1,1-Dichloroethane	0.1	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**0.100**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**0.100**
1,1-Dichloroethene	50	<0.2	<0.2	<0.2	<0.2	<0.2	0.100	<0.2	<0.2	<0.2	<0.2	<0.2	0.100
1,2,4-Trimethylbenzene	60	<0.2	<0.2	0.791	<0.2	<0.2-0.791	0.273	0.206	0.215	<0.2	<0.2	<0.2-0.215	0.155
1,3,5-Trimethylbenzene	60	<0.2	<0.2	<0.2	<0.2	<0.2	0.100	<0.2	<0.2	<0.2	<0.2	<0.2	0.100
2-Butanone	1,000	180	68.4	38.4	8.25	8.25 - 180	73.8	159	41.7	33.5	10.8	10.8 - 159	61.3
Benzene	9	0.921	0.679	0.356	<0.2	<0.2-0.921	0.514	0.656	0.506	0.203	0.207	0.203 - 0.656	0.393
Carbon disulfide	200	1.09	2.3	0.304	<0.2	<0.2-2.3	0.949	4.19	<0.2	1.55	<0.2	<0.2-4.19	1.49
Chloroethane	4000	0.517	0.821	<0.2	<0.2	<0.2-0.821	0.385	<0.2	<0.2	<0.2	<0.2	<0.2	0.100
Chloroform	0.04	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**0.100**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**0.100**
Chloromethane	200	0.52	1.88	0.789	0.589	0.52 - 1.88	0.945	1.73	0.841	0.628	0.554	0.6 - 1.73	0.938
cis-1,2-Dichloroethene	200	<0.2	<0.2	<0.2	<0.2	<0.2	0.100	<0.2	<0.2	<0.2	<0.2	<0.2	0.100
Cyclohexane	2,000	<0.2	3.96	<0.2	<0.2	<0.2-3.96	1.07	0.544	3.23	<0.2	<0.2	<0.2-3.23	0.994
Dichlorodifluoromethane	100	<0.2	0.333	0.498	0.333	<0.2-0.498	0.316	0.241	0.453	0.46	0.37	<0.2-0.46	0.381
Ethylbenzene	200	<0.2	<0.2	<0.2	<0.2	<0.2	0.100	<0.2	<0.2	<0.2	<0.2	<0.2	0.100
Freon-113	NE	<0.2	<0.2	<0.2	<0.2	<0.2	0.100	<0.2	<0.2	<0.2	<0.2	<0.2	0.100
Freon-114	NE	<0.2	<0.2	<0.2	<0.2	<0.2	0.100	<0.2	<0.2	<0.2	<0.2	<0.2	0.100
Methylene chloride	300	<1	1.3	<1	<1	<1-1.3	0.700	<1	<1	<1	<1	1.0	0.500
n-Hexane	50	1.18	0.669	0.456	<0.2	<0.2-1.18	0.601	0.982	0.47	0.266	<0.2	0.3 - 0.982	0.455
o-Xylene	700	<0.2	<0.2	0.258	<0.2	<0.2-0.258	0.140	<0.2	<0.2	<0.2	<0.2	<0.2	0.100
p/m-Xylene	700	<0.4	<0.4	0.467	<0.4	<0.4-0.467	0.267	0.416	<0.4	<0.4	<0.4	<0.4-0.416	0.254
Propylene	2,000	15.6	11.6	12.2	3.58	3.58 - 15.6	10.7	22.8	9.58	6.65	4.64	4.64 - 22.8	10.9
Styrene	200	<0.2	<0.2	<0.2	<0.2	<0.2	0.100	<0.2	<0.2	<0.2	<0.2	0.2	0.100
Tetrachloroethene	0.03	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**0.100**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**0.100**
Toluene	100	0.916	0.796	1.63	<0.2	<0.2-1.63	0.861	0.902	0.57	0.329	<0.2	0.2-0.902	0.475
trans-1,2-Dichloroethene	20	<0.2	<0.2	<0.2	<0.2	<0.2	0.100	<0.2	<0.2	<0.2	<0.2	<0.2	0.100
Trichloroethene	90	<0.2	<0.2	<0.2	<0.2	<0.2	0.100	<0.2	<0.2	<0.2	<0.2	<0.2	0.100
Trichlorofluoromethane	200	<0.2	<0.2	0.236	0.25	<0.2-0.25	0.172	<0.2	0.235	0.219	0.259	0.2 - 0.259	0.203
Vinyl chloride	40	<0.2	0.205	<0.2	<0.2	<0.2-0.205	0.126	<0.2	<0.2	<0.2	<0.2	0.2	0.100

SAMPLE IDENTIFICATION		GP-21						GF					
		ppbv						ppbv					
	*Project Action Limit (ppbv)	Q1	Q2	Q3	Q4	RANGE	MEAN	Q1	Q2	Q3	Q4	RANGE	MEAN
Volatile Organic Compounds in Air													
1,1,1-Trichloroethane	700	<0.2	0.944	<0.4	<0.2	<0.2-0.944	0.336	<0.2	356	0.944	<0.2	<0.2-356	89.3
1,1-Dichloroethane	0.1	**<0.2**	**0.738**	**<0.4**	**<0.2**	**<0.2-0.738**	**0.285**	**<0.2**	**154**	**0.738**	**<0.2**	<0.2-154	**38.7**
1,1-Dichloroethene	50	<0.2	<0.4	<0.4	<0.2	<0.2-<0.4	0.150	<0.2	38.8	<0.4	<0.2	<0.2-38.8	9.80
1,2,4-Trimethylbenzene	60	0.713	<0.4	<0.4	<0.2	<0.2-0.713	0.303	<0.2	<33.1	<0.4	<0.2	<0.2-<33.1	4.24
1,3,5-Trimethylbenzene	60	<0.2	<0.4	<0.4	<0.2	<0.2-<0.4	0.150	<0.2	<33.1	<0.4	<0.2	<0.2-<33.1	4.24
2-Butanone	1,000	215	111	203	23.7	23.7 - 215	138	13.9	138	111	<0.2	<0.2-138	65.8
Benzene	9	0.818	0.672	0.808	<0.2	<0.2-0.818	0.600	<0.2	**124**	0.672	<0.2	<0.2-124	**31.2**
Carbon disulfide	200	2.55	0.428	1.46	<0.2	<0.2-2.55	1.13	<0.2	<33.1	0.428	<0.2	<0.2-<33.1	4.29
Chloroethane	4000	0.211	10.1	<0.4	<0.2	<0.2-10.1	2.65	<0.2	1,220	10.1	<0.2	<0.2-1,220	308
Chloroform	0.04	**<0.2**	**<0.4**	**<0.4**	**<0.2**	**<0.2-<0.4**	**0.150**	**<0.2**	**<33.1**	**<0.4**	**<0.2**	<0.2-<33.1	**4.24**
Chloromethane	200	1.37	1.01	2.13	0.421	0.421 - 2.13	1.23	0.21	<33.1	1.01	0.601	<0.21-<33.1	4.59
cis-1,2-Dichloroethene	200	<0.2	7.06	<0.4	<0.2	<0.2-7.06	1.87	<0.2	**8,630**	7.06	<0.2	<0.2-8,630	**2,159**
Cyclohexane	2,000	<0.2	2.08	<0.4	<0.2	<0.2-2.08	0.620	<0.2	315	2.08	<0.2	<0.2-315	79.3
Dichlorodifluoromethane	100	0.35	2.82	0.42	0.395	0.35 - 2.82	0.996	<0.2	**170**	2.82	0.361	<0.2-170	43.3
Ethylbenzene	200	0.259	<0.4	<0.4	<0.2	<0.2-<0.4	0.190	<0.2	<33.1	<0.4	<0.2	<0.2-<33.1	4.24
Freon-113	NE	<0.2	<0.4	<0.4	<0.2	<0.2-<0.4	0.150	<0.2	<33.1	<0.4	<0.2	<0.2-<33.1	4.24
Freon-114	NE	<0.2	1.31	<0.4	<0.2	<0.2-1.31	0.428	<0.2	114	1.31	<0.2	<0.2-114	28.9
Methylene chloride	300	<1	<2	<2	<1	<1-<2	0.750	<1	<166	<2	<1	<0.1-<166	0.642
n-Hexane	50	1.45	6.93	1.56	0.274	0.274 - 6.93	2.55	<0.2	**753**	6.93	<0.2	<0.2-753	**190**
o-Xylene	700	0.346	<0.4	<0.4	<0.2	<0.2-<0.4	0.212	<0.2	<33.1	<0.4	<0.2	<0.2-<33.1	4.24
p/m-Xylene	700	0.637	<0.8	<0.8	<0.4	<0.2-<0.8	0.409	<0.4	<66.2	<0.8	<0.4	<0.4-<66.2	8.48
Propylene	2,000	25.7	46.1	52.1	9.36	9.36 - 52.1	33.3	7.9	616	46.1	<0.5	<0.5-616	223
Styrene	200	<0.2	<0.4	<0.4	<0.2	<0.2-<0.4	0.150	<0.2	<33.1	<0.4	<0.2	<0.2-<33.1	4.24
Tetrachloroethene	0.03	**<0.2**	**<0.4**	**<0.4**	**<0.2**	**<0.2-<0.4**	**0.150**	**<0.2**	**<33.1**	**<0.4**	**<0.2**	**<0.2-<33.1**	**4.24**
Toluene	100	1.56	0.506	0.768	0.205	0.205 - 1.56	0.760	<0.2	49	0.506	<0.2	<0.2-49	12.4
trans-1,2-Dichloroethene	20	<0.2	<0.4	<0.4	<0.2	<0.2-<0.4	0.150	<0.2	**42.2**	<0.4	<0.2	<0.2-42.2	10.7
Trichloroethene	90	<0.2	<0.4	<0.4	<0.2	<0.2-<0.4	0.150	<0.2	**6,650**	<0.4	<0.2	<0.2-6,650	**1,663**
Trichlorofluoromethane	200	<0.2	<0.4	<0.4	0.257	<0.2-<0.4	0.189	<0.2	<33.1	<0.4	0.235	<0.2-<33.1	4.27
Vinyl chloride	40	<0.2	**120**	<0.4	<0.2	<0.2-120	30.1	0.973	**11,300**	**120**	<0.2	<0.2-11,300	**2,855**

Notes:

Q1 - first quarter, Q2 - second quarter, Q3 - third quarter, Q4 - fourth quarter

bold, highlighted text indicates equals or exceeds the Project Action Limit (PAL)

bold, patterned text indicates PAL lower than method quantitation limit

Highlighted text indicates summary statistic

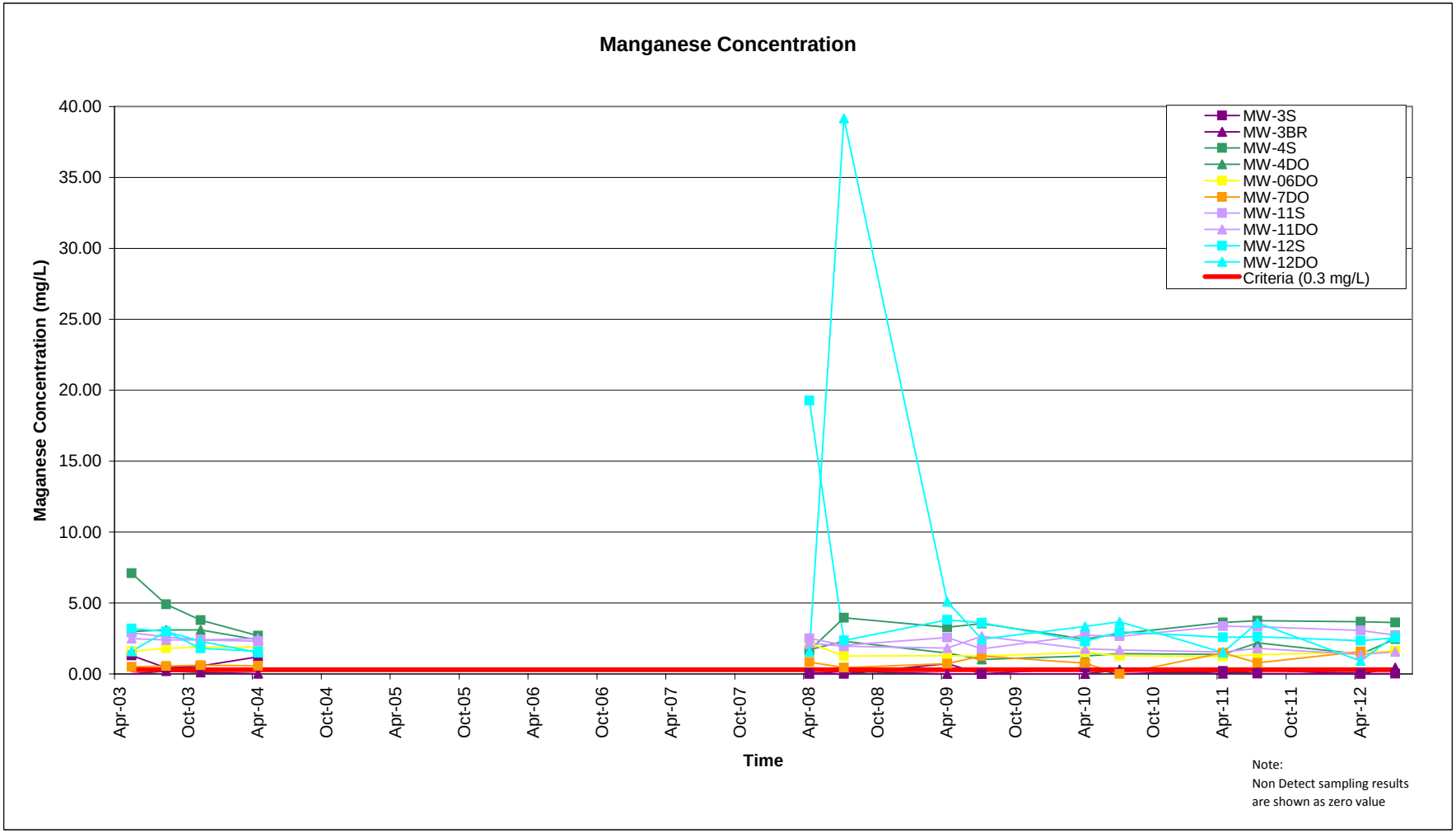
NE - none established

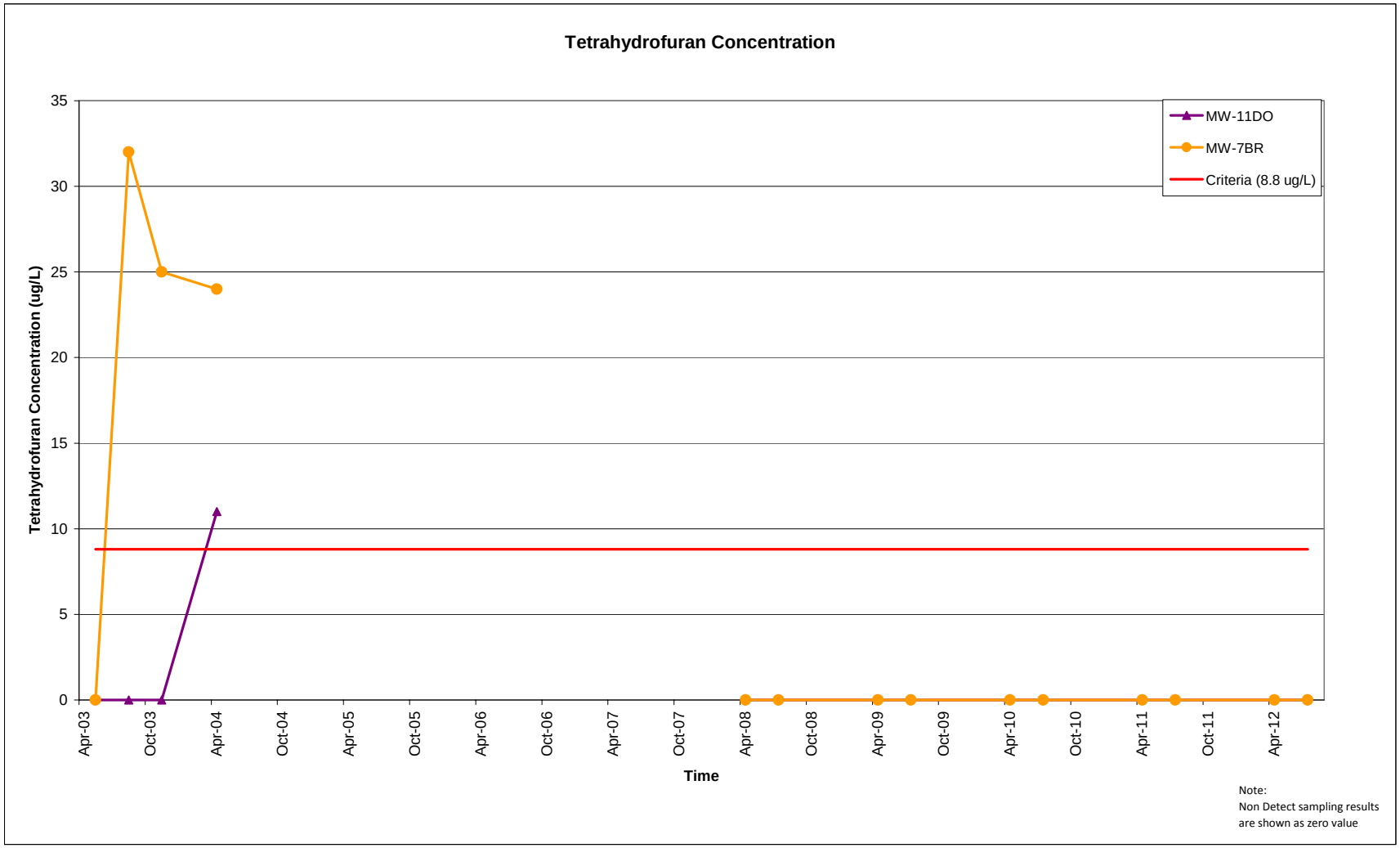
ppbv - parts per billion by volume

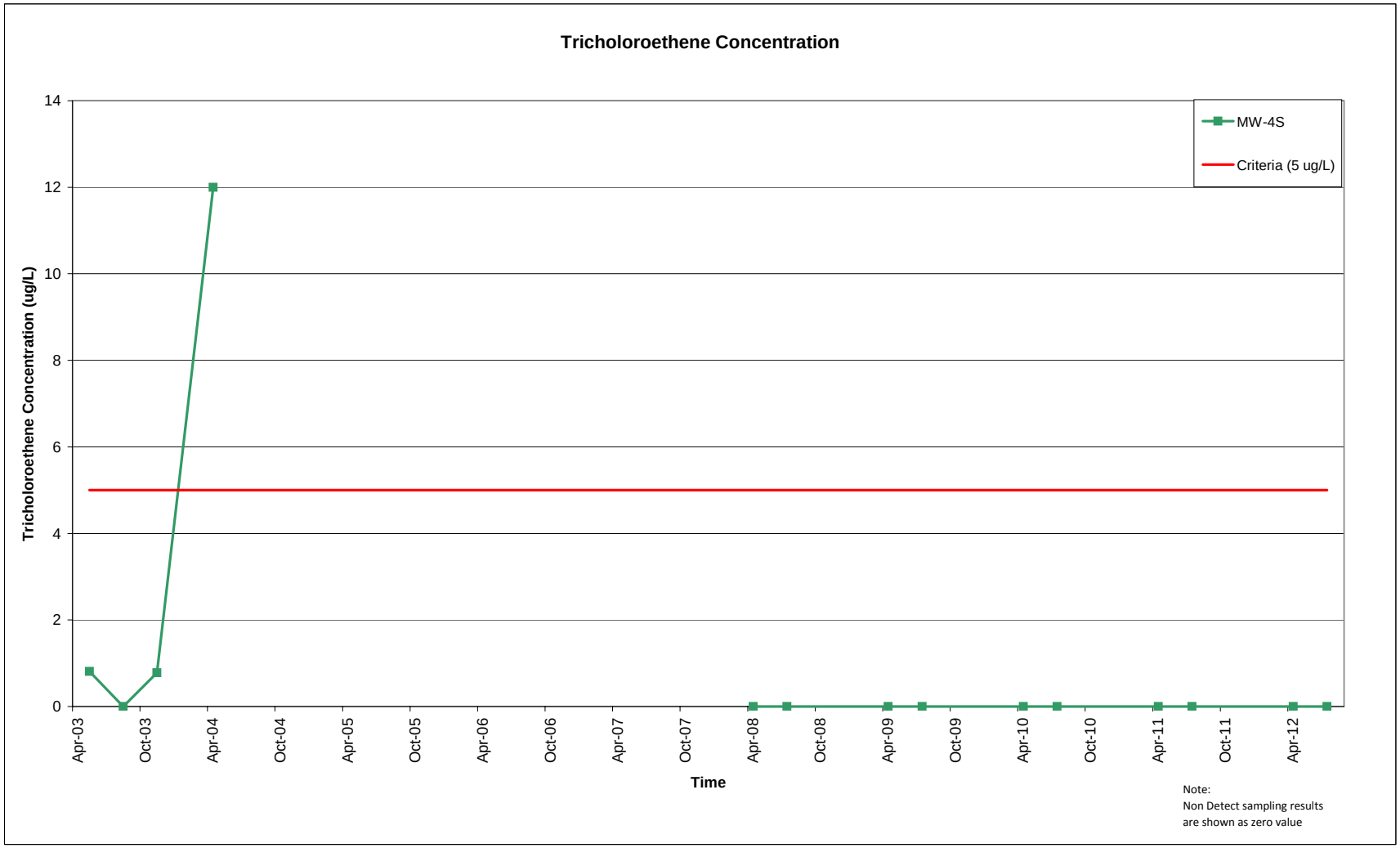
< - not detected above the Method Quantitation Limit

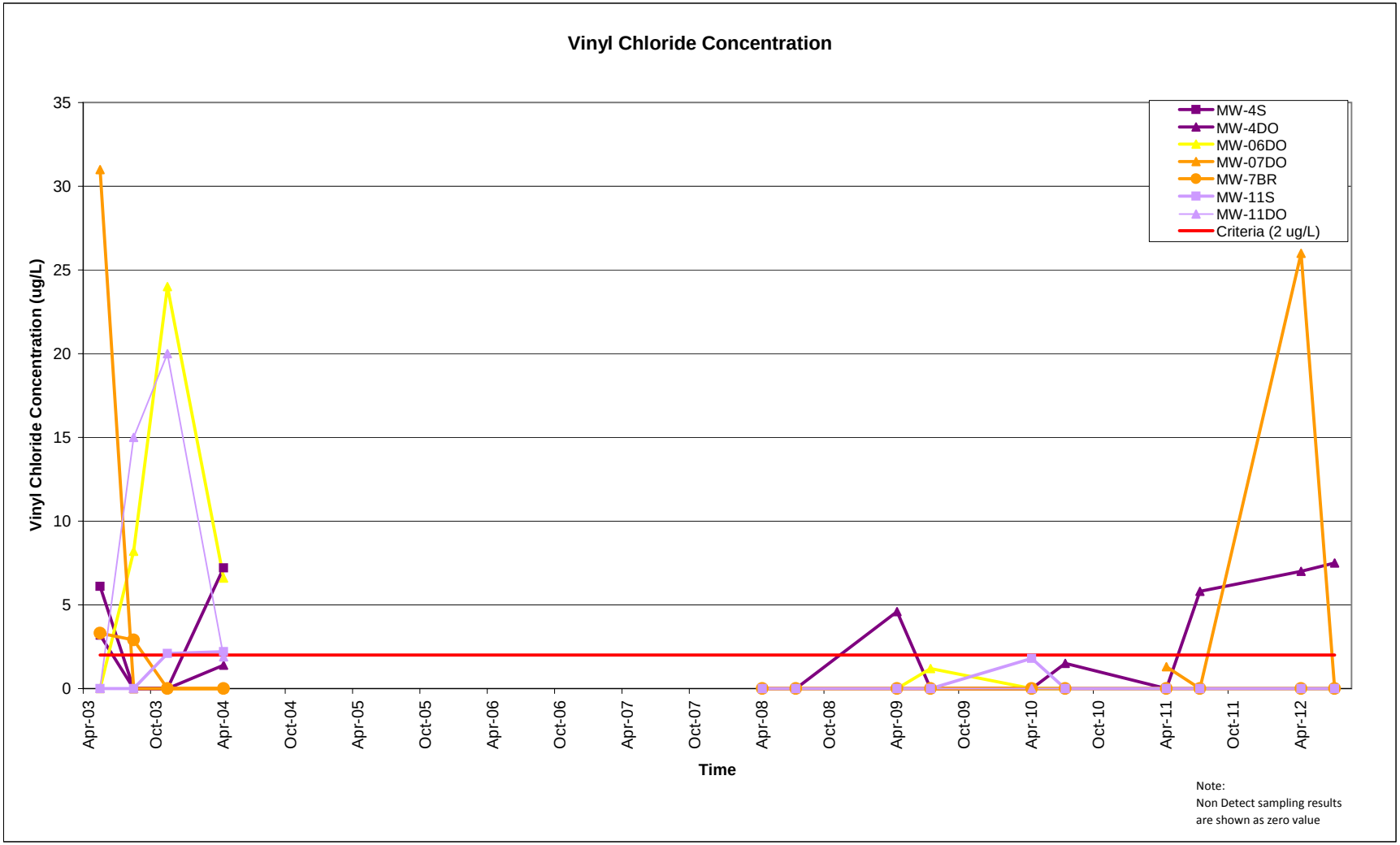
*1/2 value of MQL used in calculation of mean where analyte detected in a single sample,

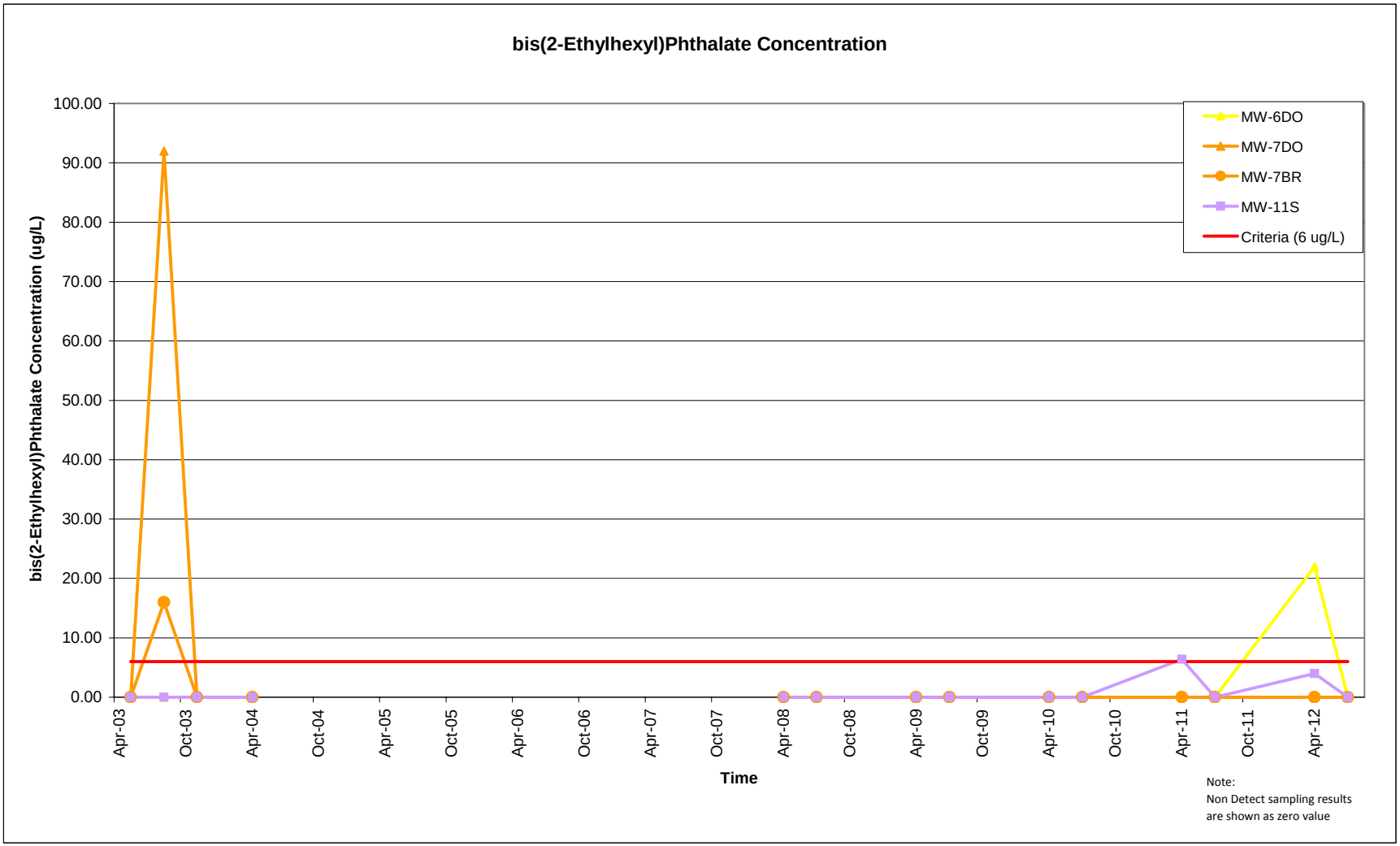
APPENDIX C
TREND ANALYSIS GRAPHS


Manganese Concentration
Maganese Concentration (mg/L)
40.00
35.00
30.00
25.00
20.00
15.00
10.00
5.00
0.00
Apr-03
Oct-03
Apr-04
Oct-04
Apr-05
Oct-05
Apr-06
Oct-06
Apr-07
Oct-07
Apr-08
Oct-08
Apr-09
Oct-09
Apr-10
Oct-10
Apr-11
Oct-11
Apr-12
Time
MW-3S
MW-3BR
MW-4S
MW-4DO
MW-06DO
MW-7DO
MW-11S
MW-11DO
MW-12S
MW-12DO
Criteria (0.3 mg/L)
Note:
Non Detect sampling results
are shown as zero value

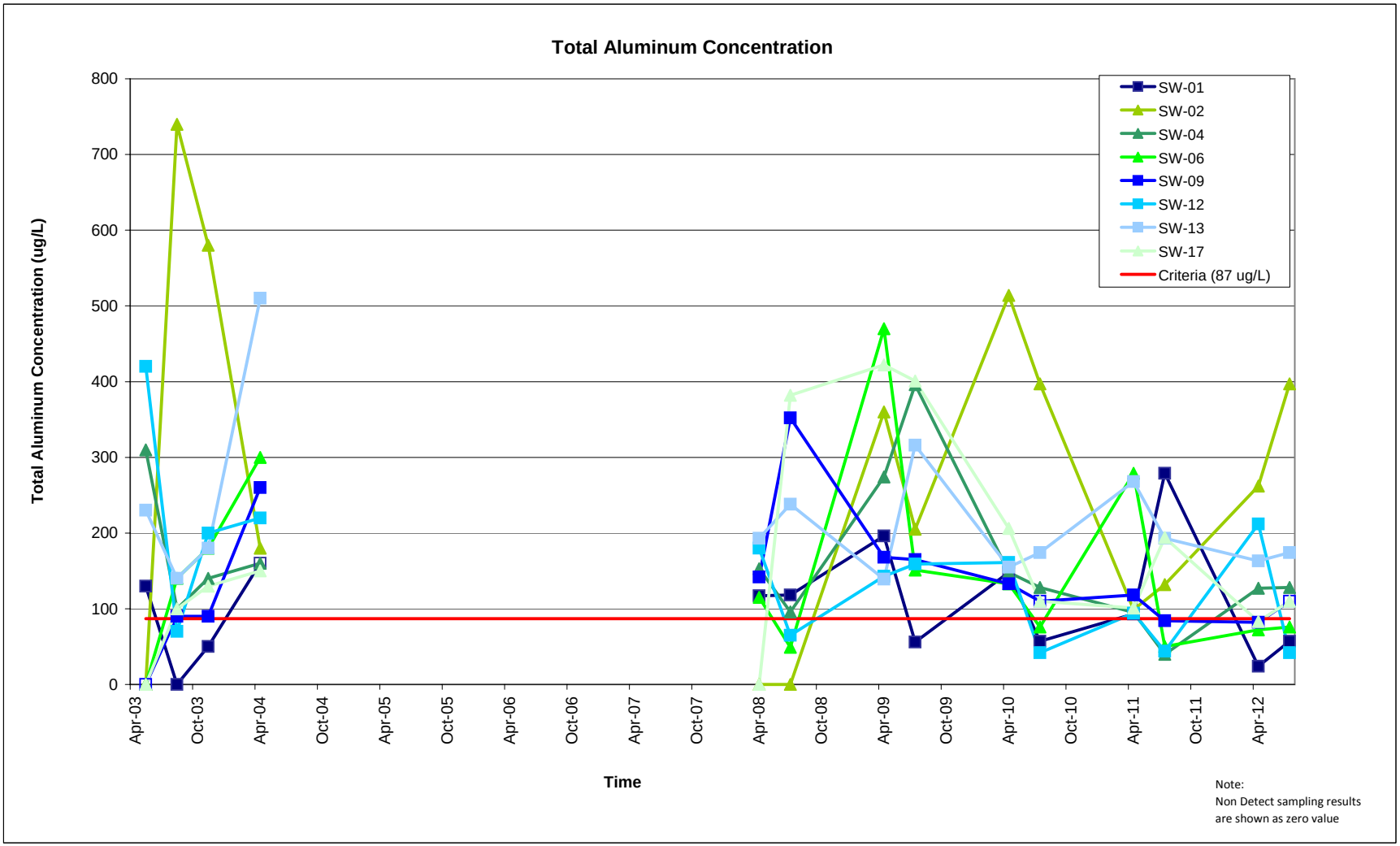

Tetrahydrofuran Concentration
Tetrahydrofuran Concentration (ug/L)
35
30
25
20
15
10
5
0
Apr-03
Oct-03
Apr-04
Oct-04
Apr-05
Oct-05
Apr-06
Oct-06
Apr-07
Oct-07
Apr-08
Oct-08
Apr-09
Oct-09
Apr-10
Oct-10
Apr-11
Oct-11
Apr-12
Time
MW-11DO
MW-7BR
Criteria (8.8 ug/L)
Note:
Non Detect sampling results
are shown as zero value

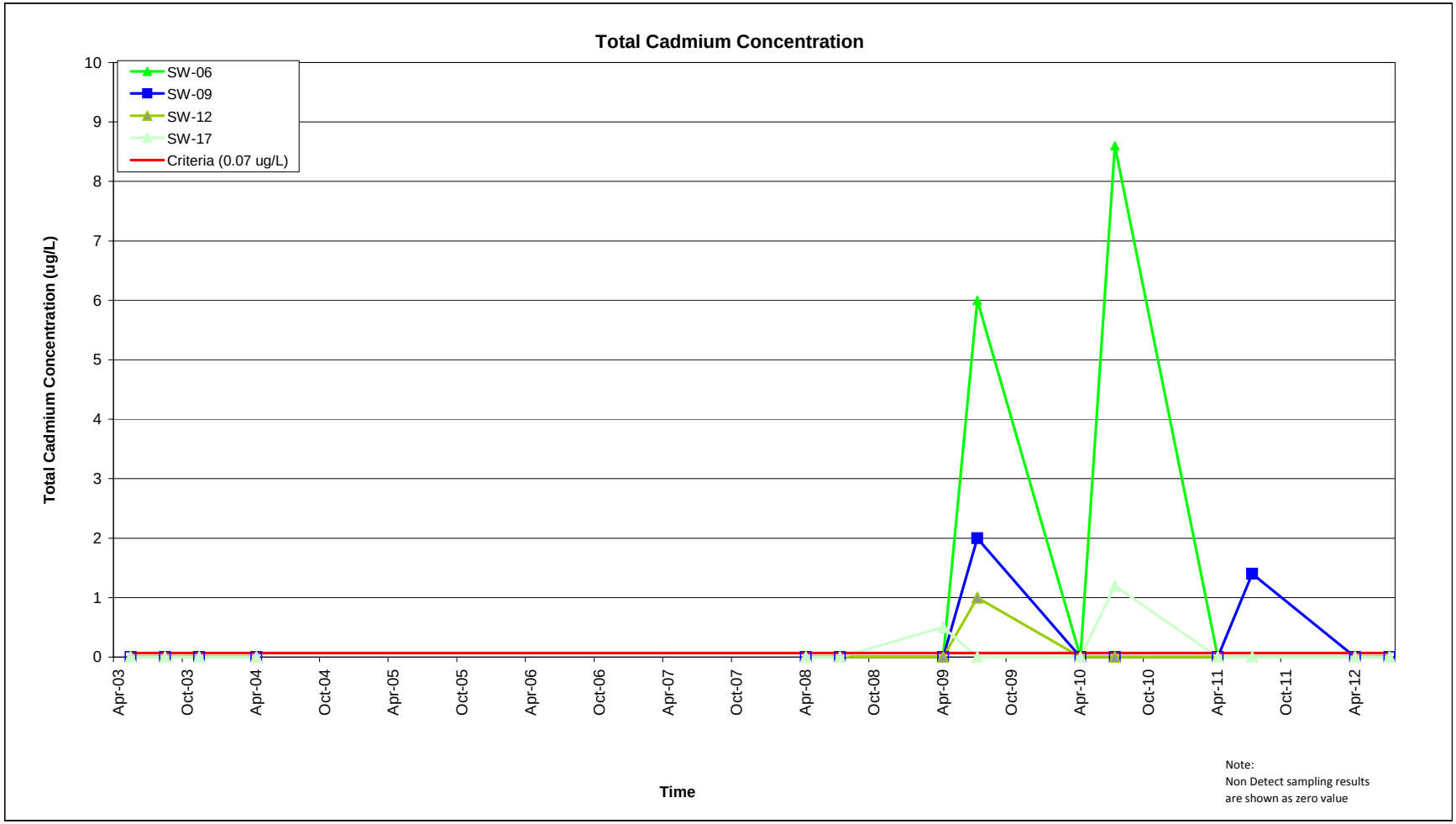

Tricholoroethene Concentration
Tricholoroethene Concentration (ug/L)
14
12
10
8
6
4
2
0
Apr-03
Oct-03
Apr-04
Oct-04
Apr-05
Oct-05
Apr-06
Oct-06
Apr-07
Oct-07
Apr-08
Oct-08
Apr-09
Oct-09
Apr-10
Oct-10
Apr-11
Oct-11
Apr-12
Time
MW-4S
Criteria (5 ug/L)
Note:
Non Detect sampling results
are shown as zero value

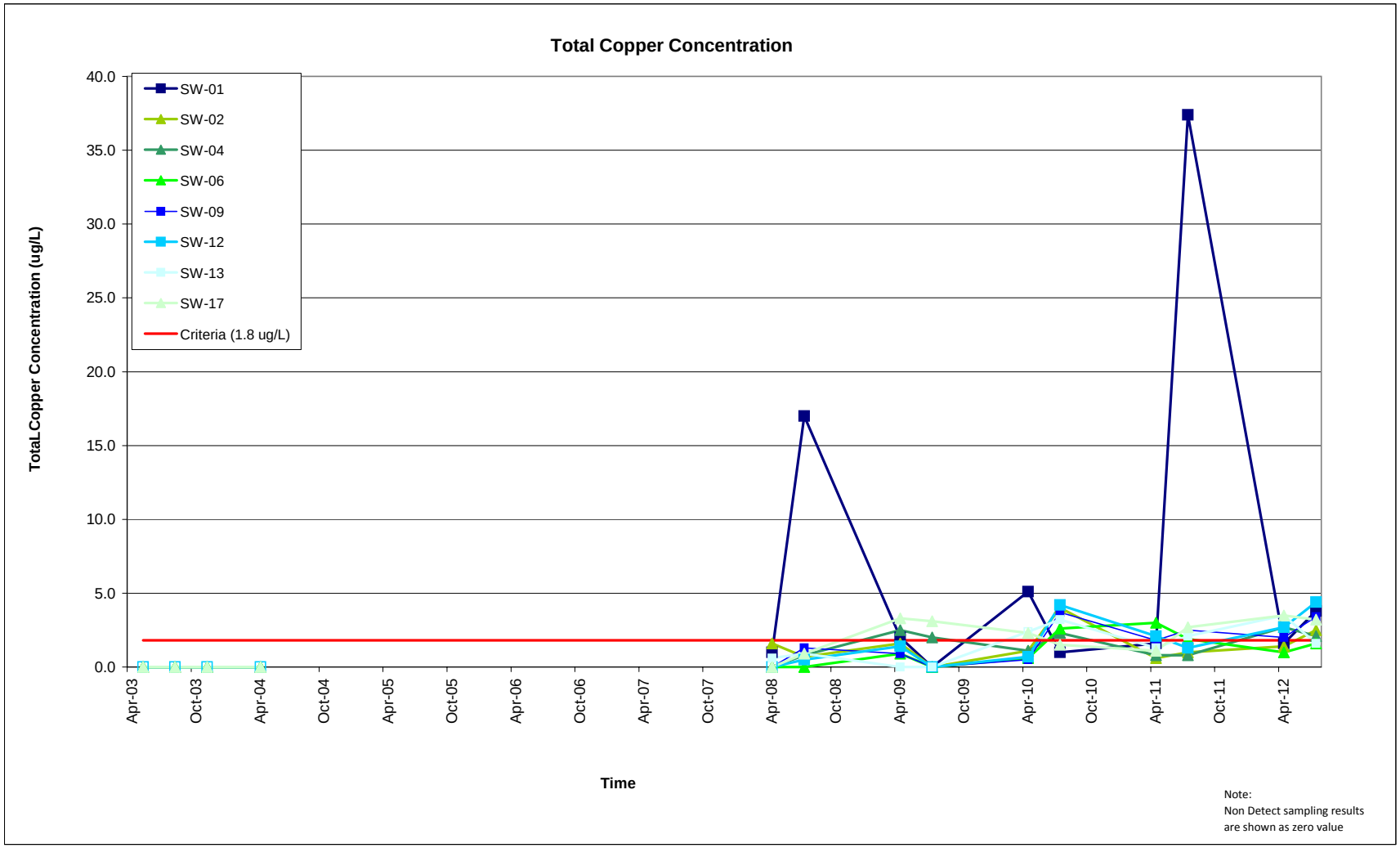

Vinyl Chloride Concentration
Vinyl Chloride Concentration (ug/L)
35
30
25
20
15
10
5
0
Apr-03
Oct-03
Apr-04
Oct-04
Apr-05
Oct-05
Apr-06
Oct-06
Apr-07
Oct-07
Apr-08
Oct-08
Apr-09
Oct-09
Apr-10
Oct-10
Apr-11
Oct-11
Apr-12
Time
MW-4S
MW-4DO
MW-06DO
MW-07DO
MW-7BR
MW-11S
MW-11DO
Criteria (2 ug/L)
Note:
Non Detect sampling results
are shown as zero value

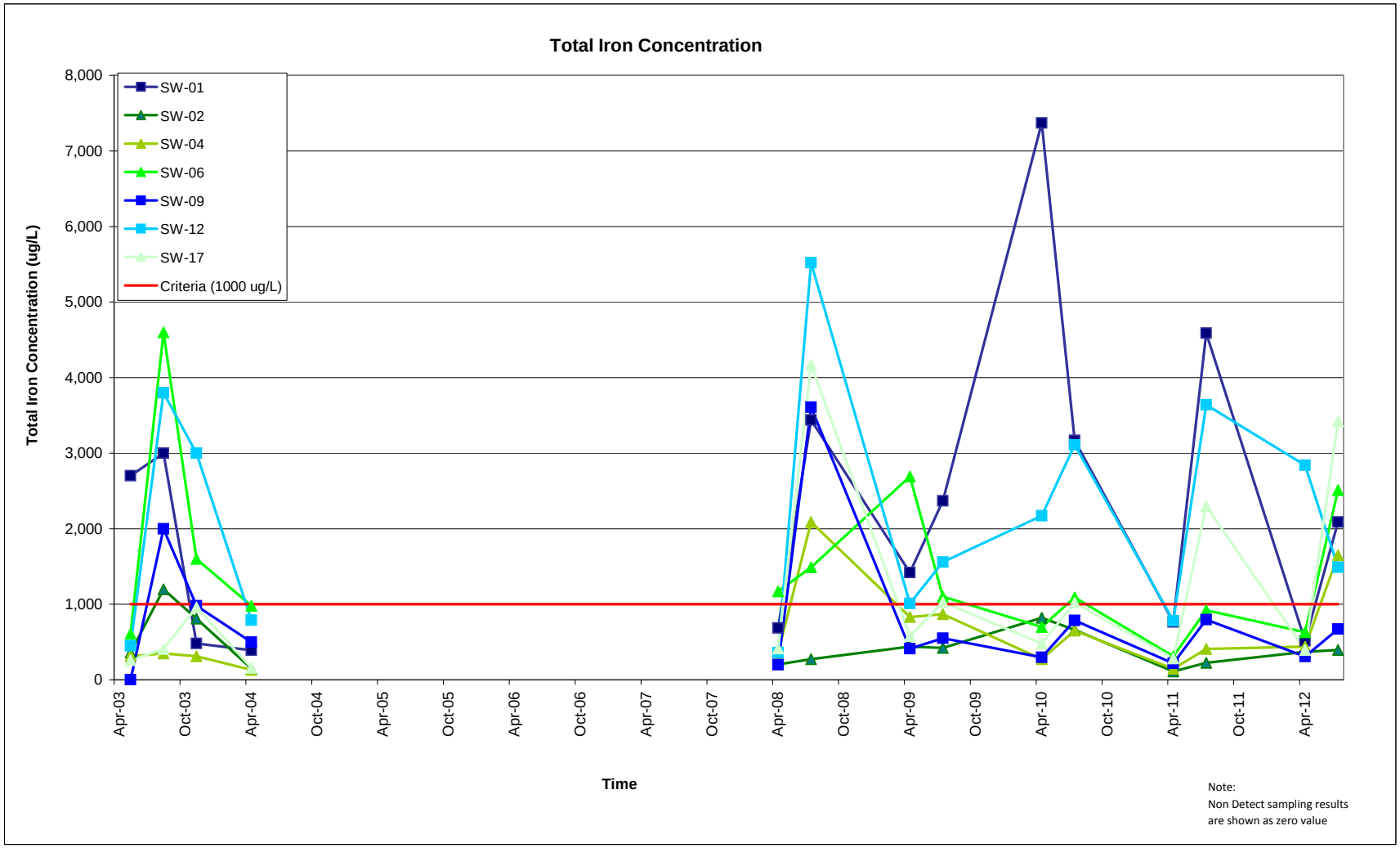

bis(2-Ethylhexyl)Phthalate Concentration
bis(2-Ethylhexyl)Phthalate Concentration (ug/L)
100.00
90.00
80.00
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
Apr-03
Oct-03
Apr-04
Oct-04
Apr-05
Oct-05
Apr-06
Oct-06
Apr-07
Oct-07
Apr-08
Oct-08
Apr-09
Oct-09
Apr-10
Oct-10
Apr-11
Oct-11
Apr-12
Time
MW-6DO
MW-7DO
MW-7BR
MW-11S
Criteria (6 ug/L)
Note:
Non Detect sampling results
are shown as zero value

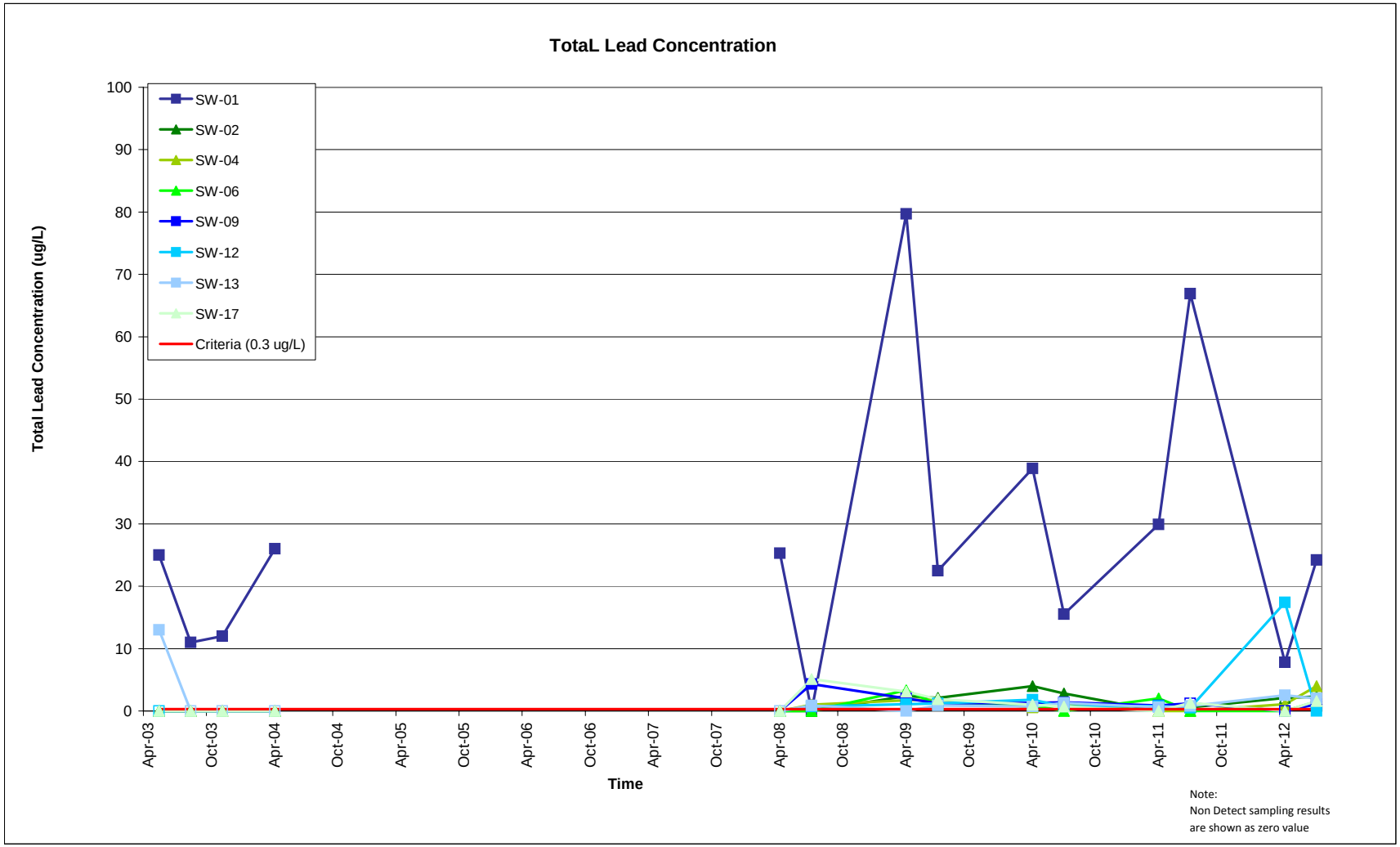
Surface Water Trends

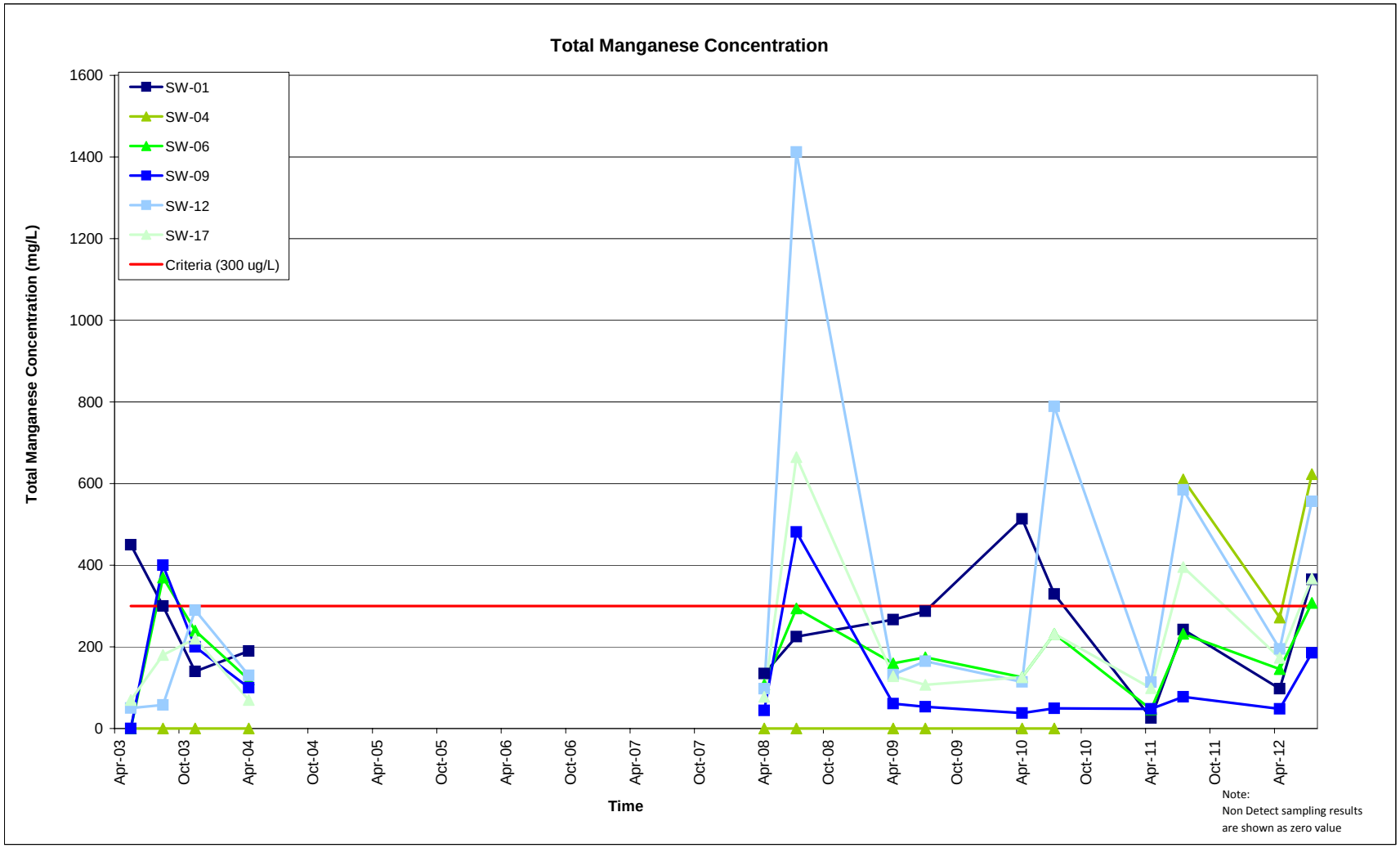


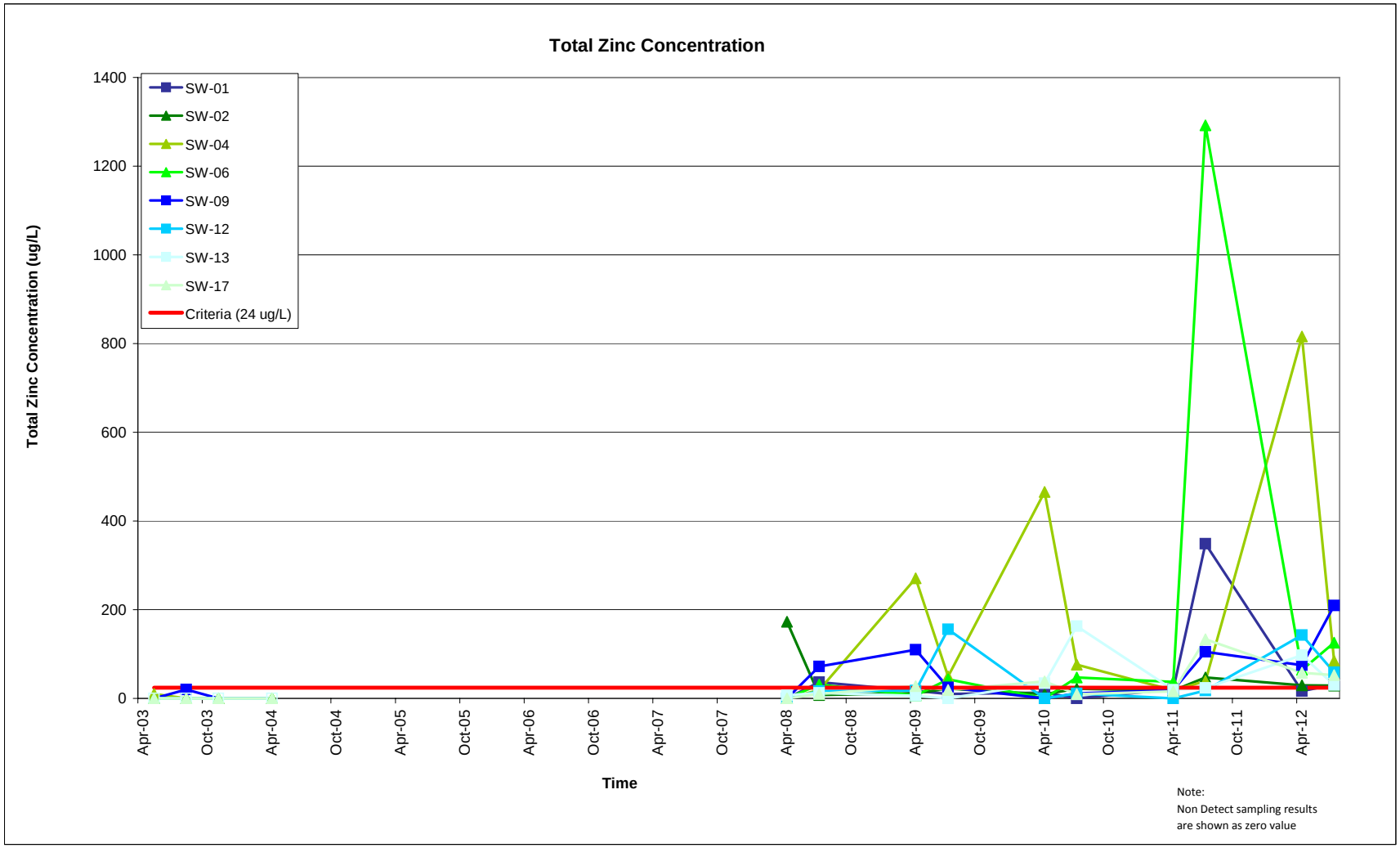

Total Cadmium Concentration
SW-06
SW-09
SW-12
SW-17
Criteria (0.07 ug/L)
Total Cadmium Concentration (ug/L)
10
9
8
7
6
5
4
3
2
1
0
Apr-03
Oct-03
Apr-04
Oct-04
Apr-05
Oct-05
Apr-06
Oct-06
Apr-07
Oct-07
Apr-08
Oct-08
Apr-09
Oct-09
Apr-10
Oct-10
Apr-11
Oct-11
Apr-12
Time
Note:
Non Detect sampling results
are shown as zero value

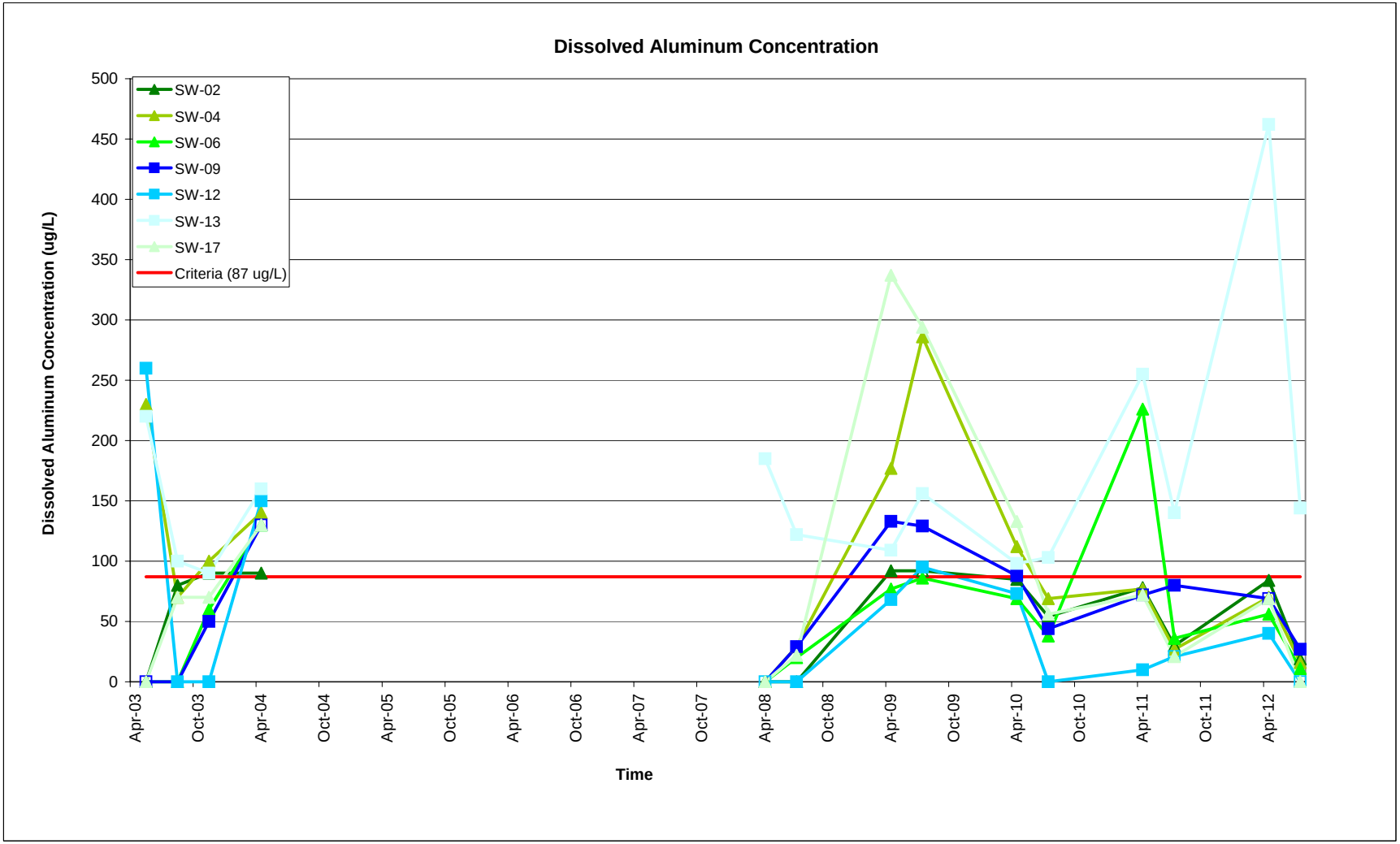

Total Copper Concentration
TotaLCopper Concentration (ug/L)
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
SW-01
SW-02
SW-04
SW-06
SW-09
SW-12
SW-13
SW-17
Criteria (1.8 ug/L)
Apr-03
Oct-03
Apr-04
Oct-04
Apr-05
Oct-05
Apr-06
Oct-06
Apr-07
Oct-07
Apr-08
Oct-08
Apr-09
Oct-09
Apr-10
Oct-10
Apr-11
Oct-11
Apr-12
Time
Note:
Non Detect sampling results
are shown as zero value


Total Iron Concentration
Total Iron Concentration (ug/L)
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
SW-01
SW-02
SW-04
SW-06
SW-09
SW-12
SW-17
Criteria (1000 ug/L)
Apr-03
Oct-03
Apr-04
Oct-04
Apr-05
Oct-05
Apr-06
Oct-06
Apr-07
Oct-07
Apr-08
Oct-08
Apr-09
Oct-09
Apr-10
Oct-10
Apr-11
Oct-11
Apr-12
Time
Note:
Non Detect sampling results
are shown as zero value

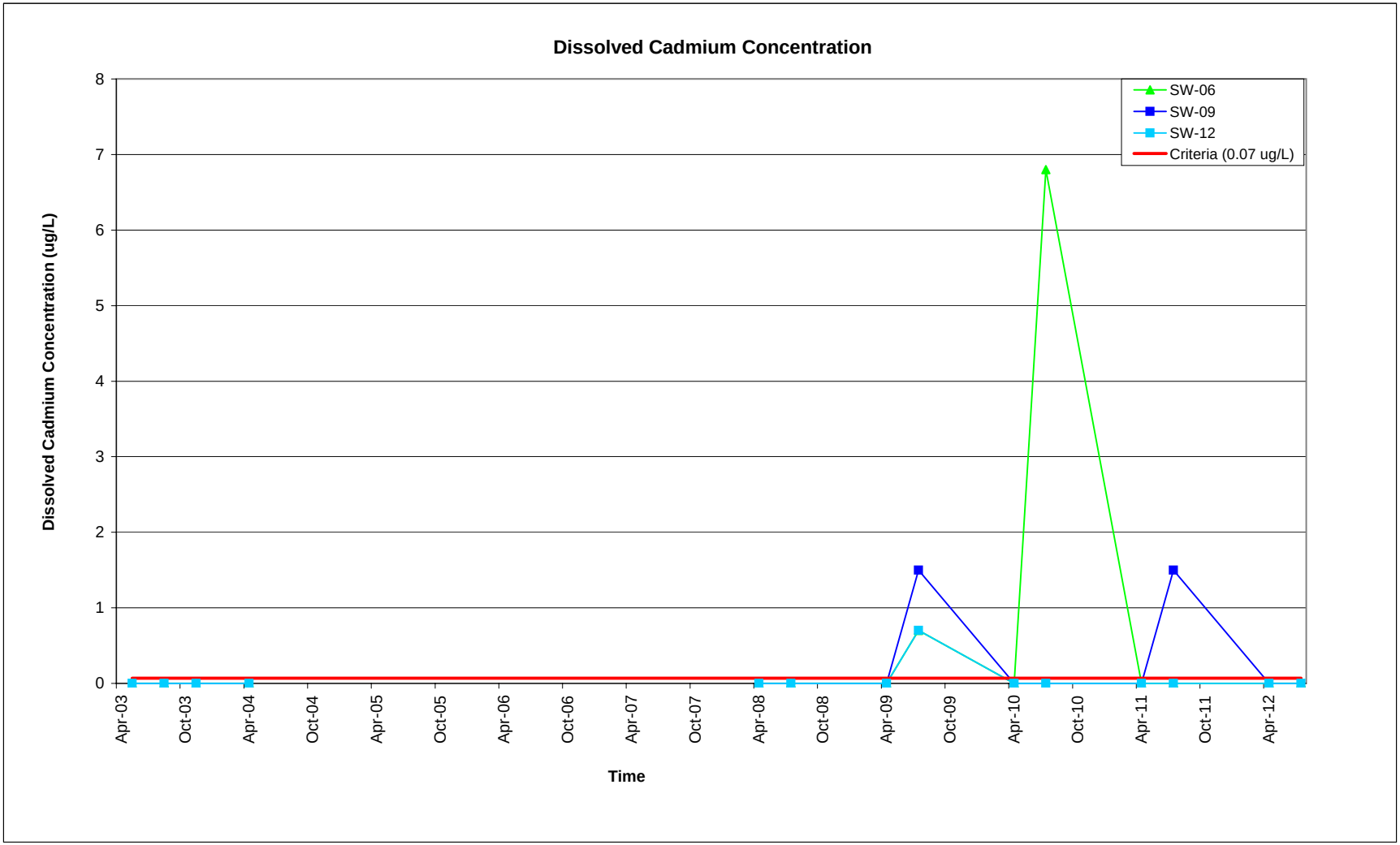

TotaL Lead Concentration
Total Lead Concentration (ug/L)
100
90
80
70
60
50
40
30
20
10
0
SW-01
SW-02
SW-04
SW-06
SW-09
SW-12
SW-13
SW-17
Criteria (0.3 ug/L)
Apr-03
Oct-03
Apr-04
Oct-04
Apr-05
Oct-05
Apr-06
Oct-06
Apr-07
Oct-07
Apr-08
Oct-08
Apr-09
Oct-09
Apr-10
Oct-10
Apr-11
Oct-11
Apr-12
Time
Note:
Non Detect sampling results
are shown as zero value

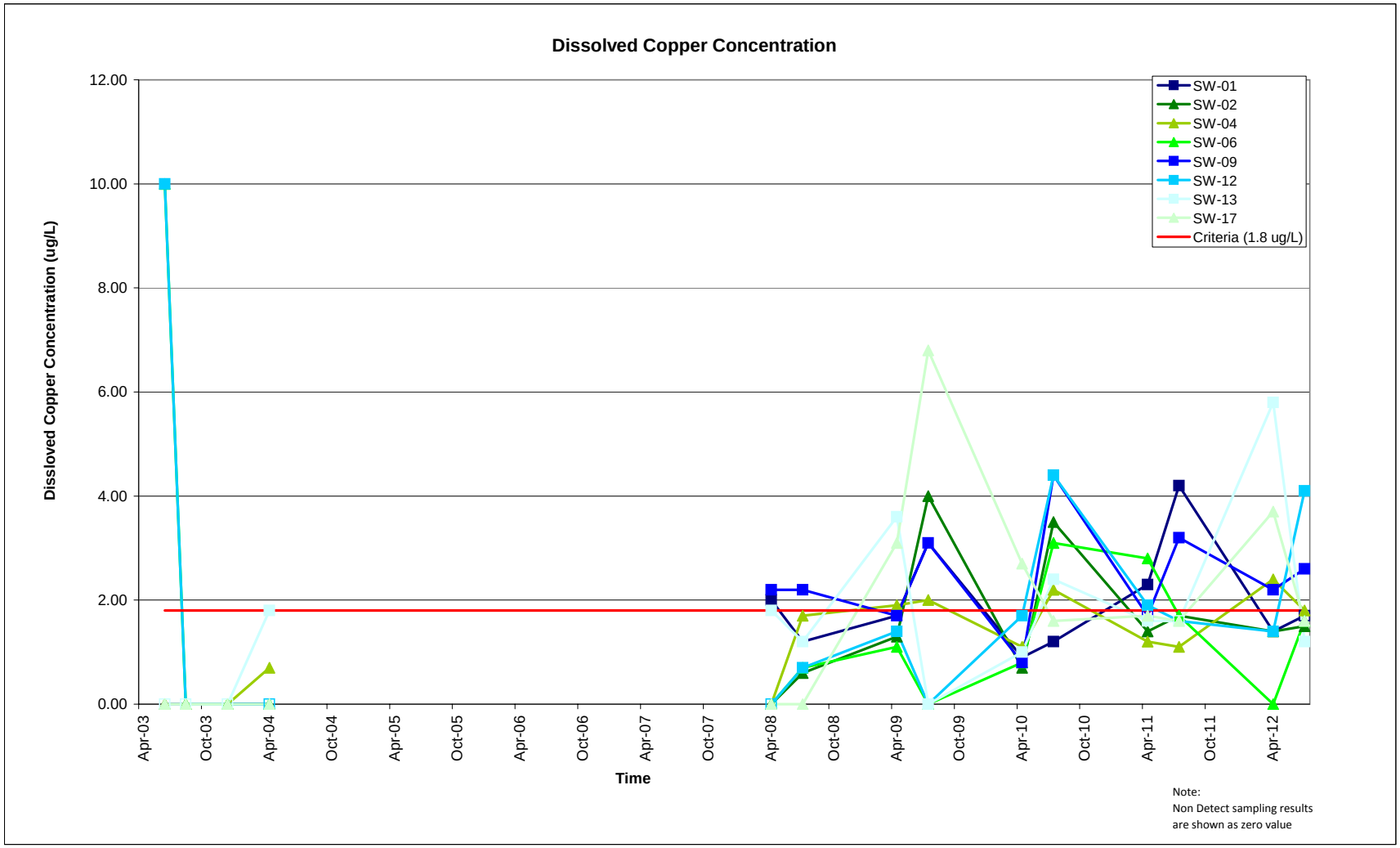

Total Manganese Concentration
SW-01
SW-04
SW-06
SW-09
SW-12
SW-17
Criteria (300 ug/L)
Total Manganese Concentration (mg/L)
1600
1400
1200
1000
800
600
400
200
0
Apr-03
Oct-03
Apr-04
Oct-04
Apr-05
Oct-05
Apr-06
Oct-06
Apr-07
Oct-07
Apr-08
Oct-08
Apr-09
Oct-09
Apr-10
Oct-10
Apr-11
Oct-11
Apr-12
Time
Note:
Non Detect sampling results
are shown as zero value

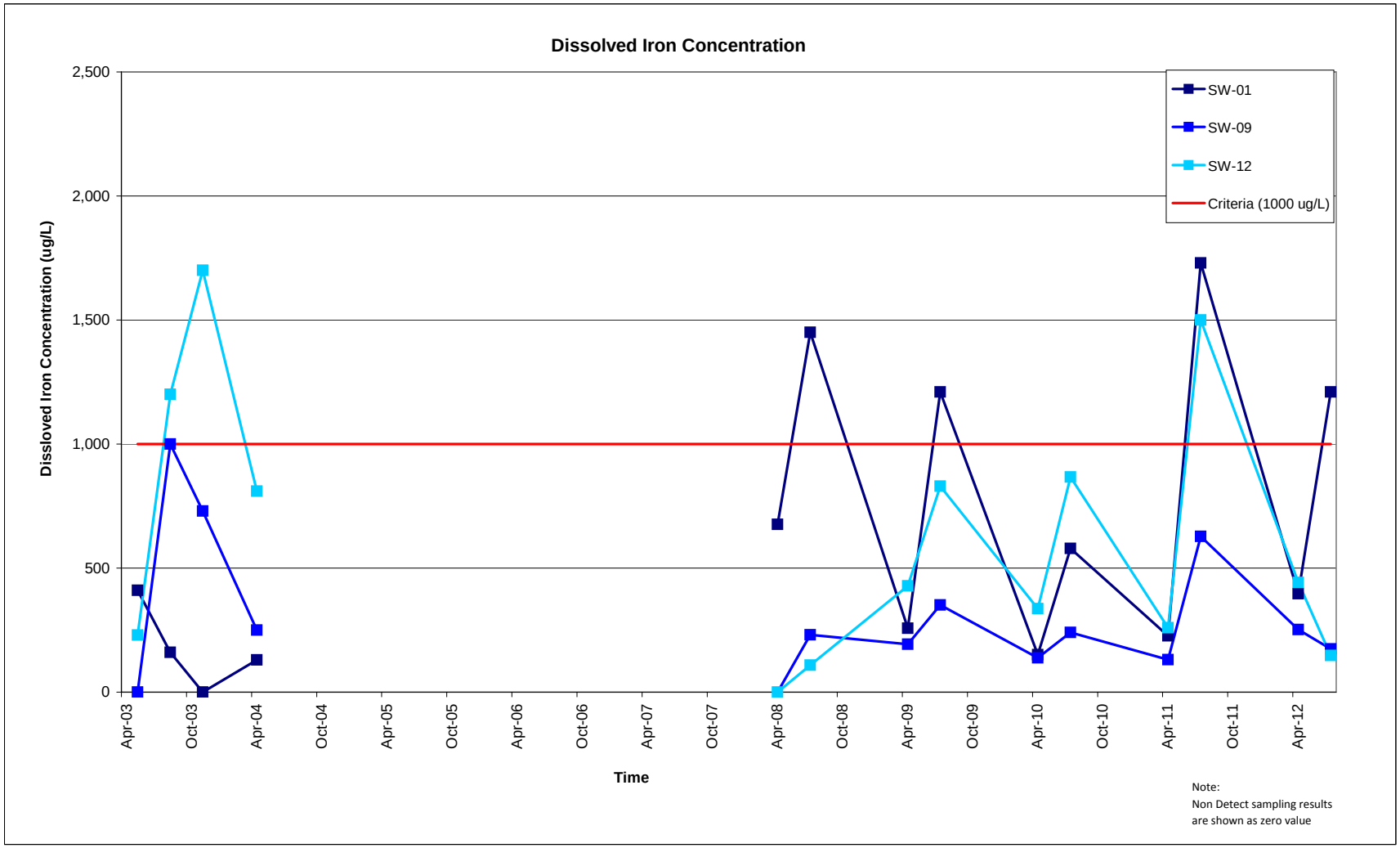

Total Zinc Concentration
Total Zinc Concentration (ug/L)
1400
1200
1000
800
600
400
200
0
SW-01
SW-02
SW-04
SW-06
SW-09
SW-12
SW-13
SW-17
Criteria (24 ug/L)
Apr-03
Oct-03
Apr-04
Oct-04
Apr-05
Oct-05
Apr-06
Oct-06
Apr-07
Oct-07
Apr-08
Oct-08
Apr-09
Oct-09
Apr-10
Oct-10
Apr-11
Oct-11
Apr-12
Time
Note:
Non Detect sampling results
are shown as zero value

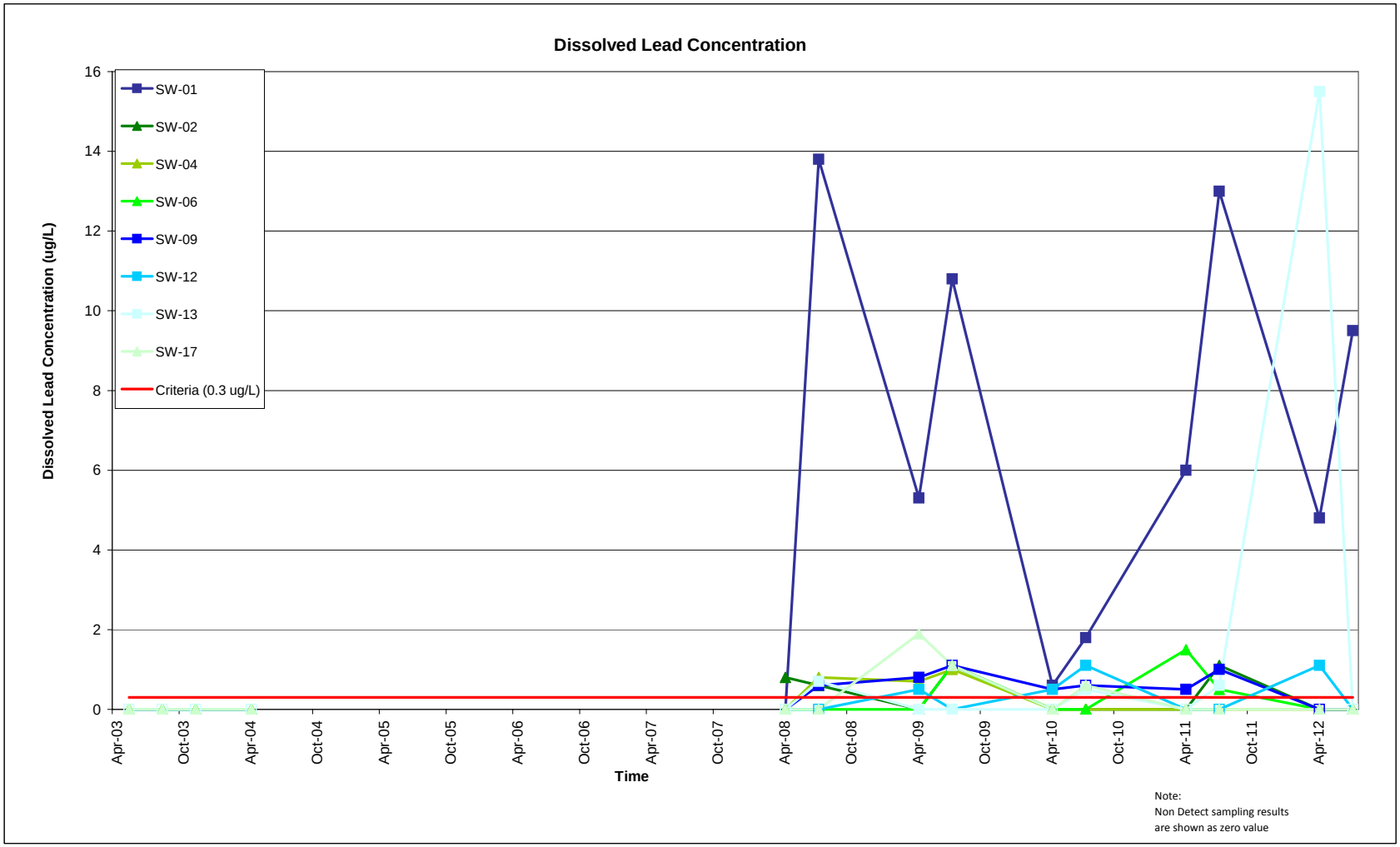


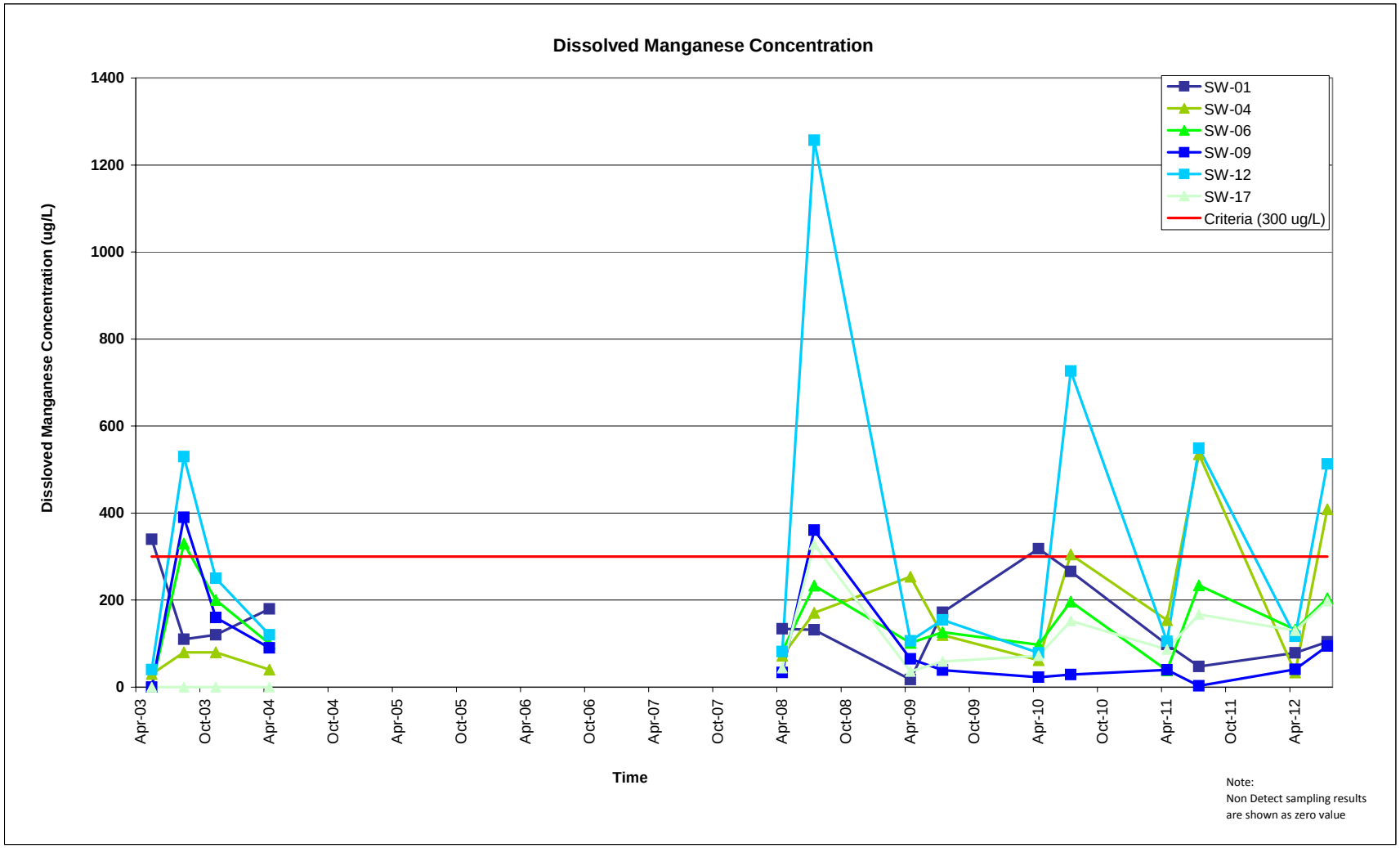
Note:
Non Detect sampling results
are shown as zero value

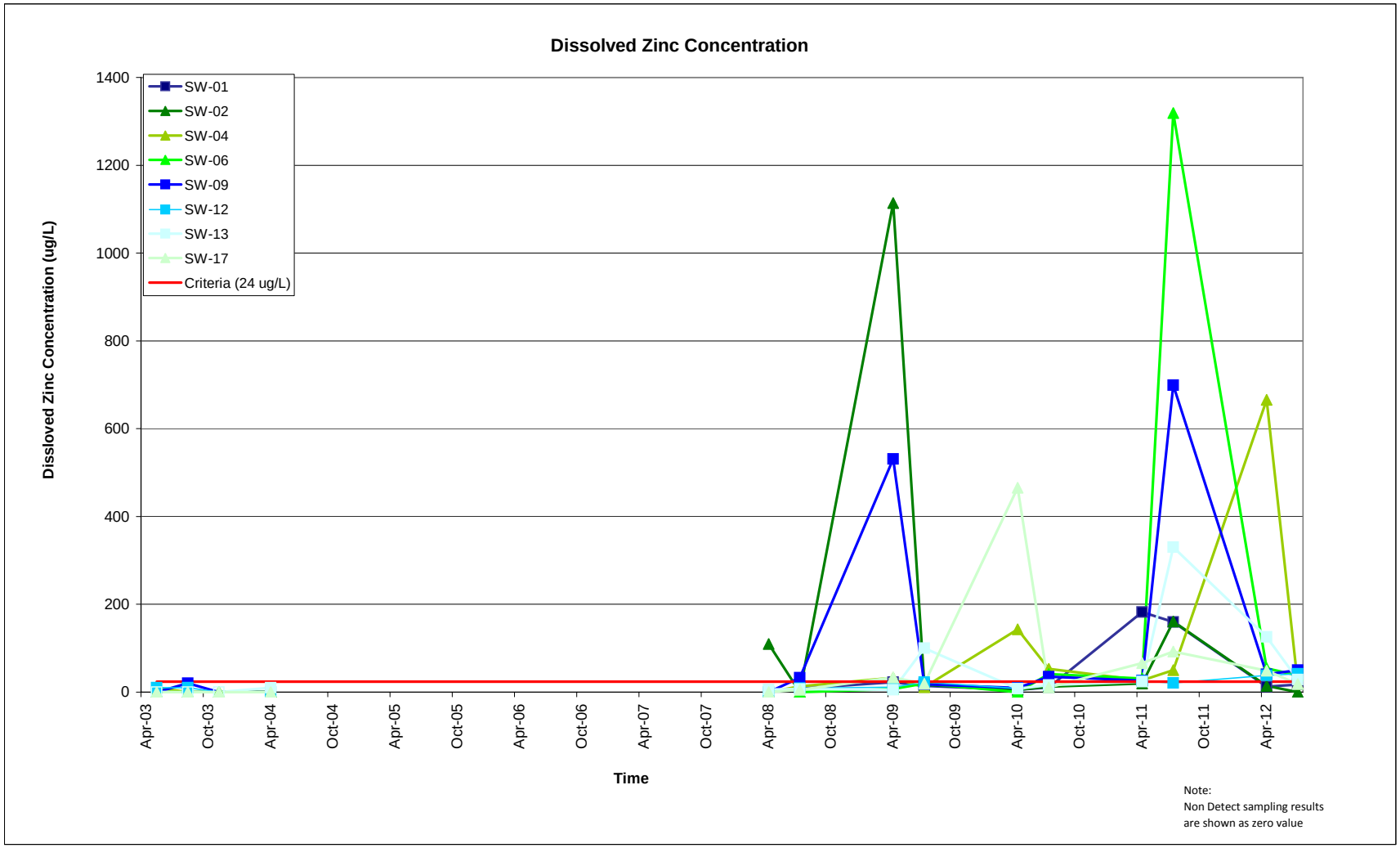

Dissolved Cadmium Concentration
Dissolved Cadmium Concentration (ug/L)
8
7
6
5
4
3
2
1
0
SW-06
SW-09
SW-12
Criteria (0.07 ug/L)
Apr-03
Oct-03
Apr-04
Oct-04
Apr-05
Oct-05
Apr-06
Oct-06
Apr-07
Oct-07
Apr-08
Oct-08
Apr-09
Oct-09
Apr-10
Oct-10
Apr-11
Oct-11
Apr-12
Time

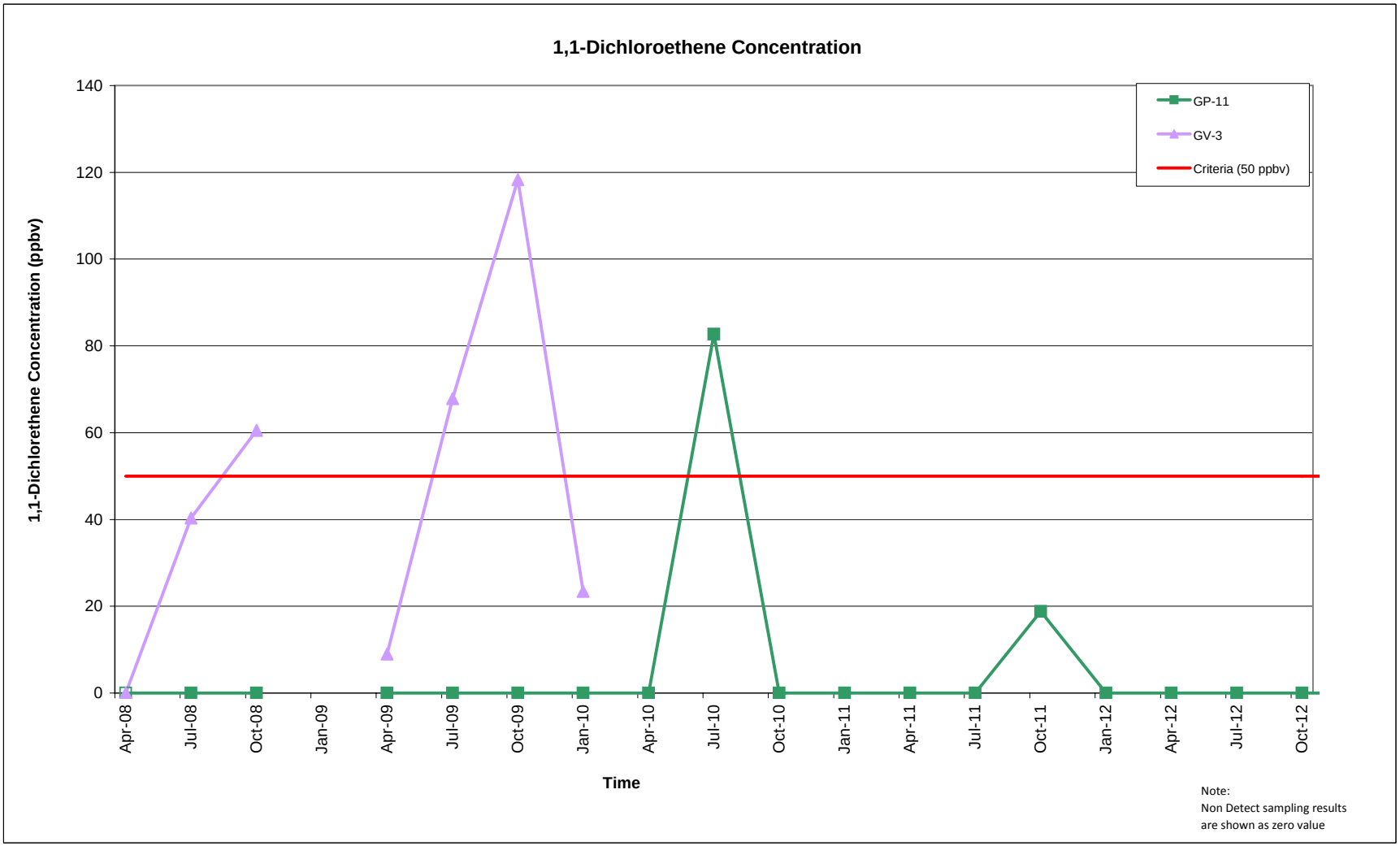

Dissolved Copper Concentration
Dissloved Copper Concentration (ug/L)
12.00
10.00
8.00
6.00
4.00
2.00
0.00
Apr-03
Oct-03
Apr-04
Oct-04
Apr-05
Oct-05
Apr-06
Oct-06
Apr-07
Oct-07
Apr-08
Oct-08
Apr-09
Oct-09
Apr-10
Oct-10
Apr-11
Oct-11
Apr-12
Time
SW-01
SW-02
SW-04
SW-06
SW-09
SW-12
SW-13
SW-17
Criteria (1.8 ug/L)
Note:
Non Detect sampling results
are shown as zero value

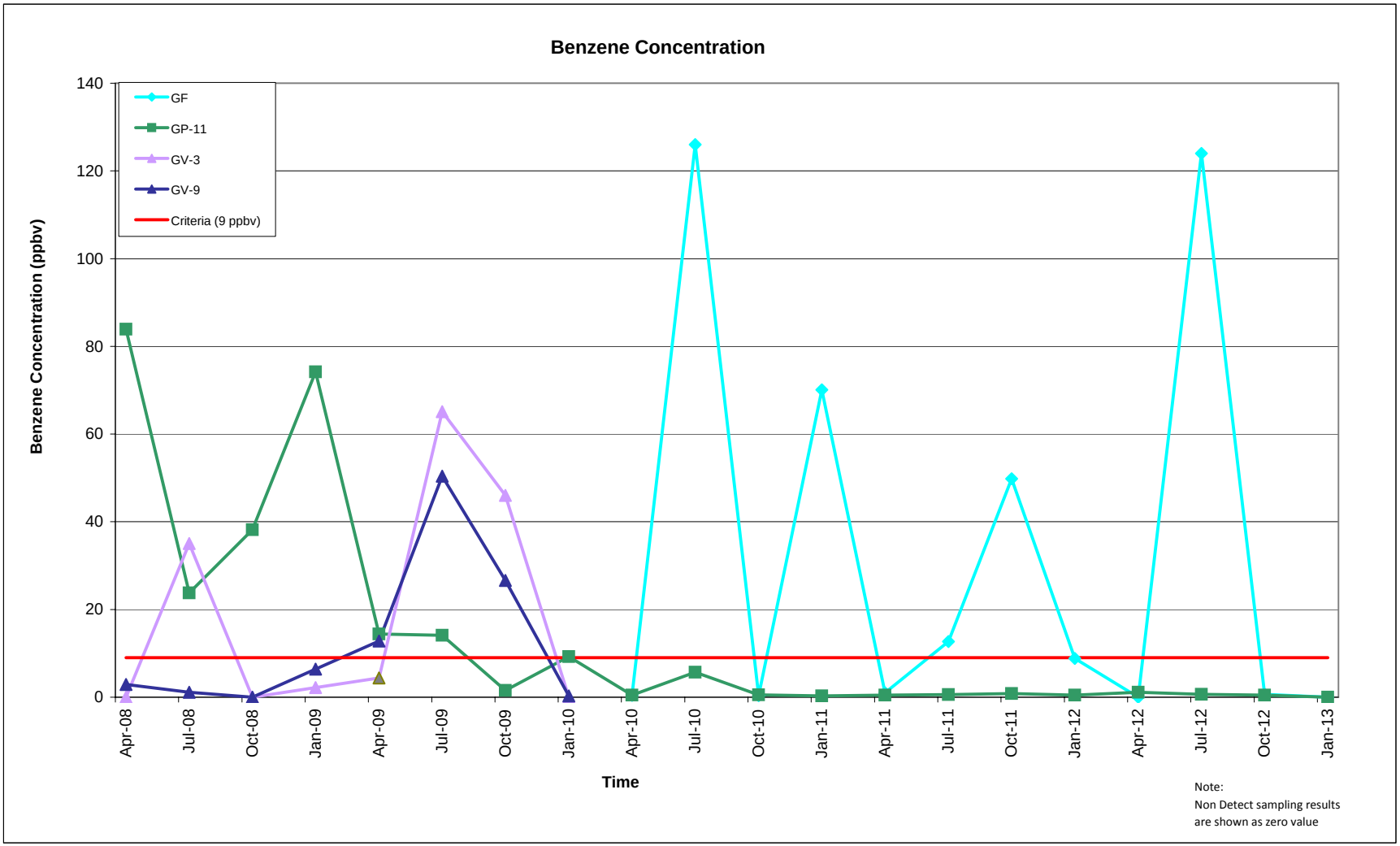

Dissolved Iron Concentration
Dissloved Iron Concentration (ug/L)
2,500
2,000
1,500
1,000
500
0
Apr-03
Oct-03
Apr-04
Oct-04
Apr-05
Oct-05
Apr-06
Oct-06
Apr-07
Oct-07
Apr-08
Oct-08
Apr-09
Oct-09
Apr-10
Oct-10
Apr-11
Oct-11
Apr-12
Time
SW-01
SW-09
SW-12
Criteria (1000 ug/L)
Note:
Non Detect sampling results
are shown as zero value

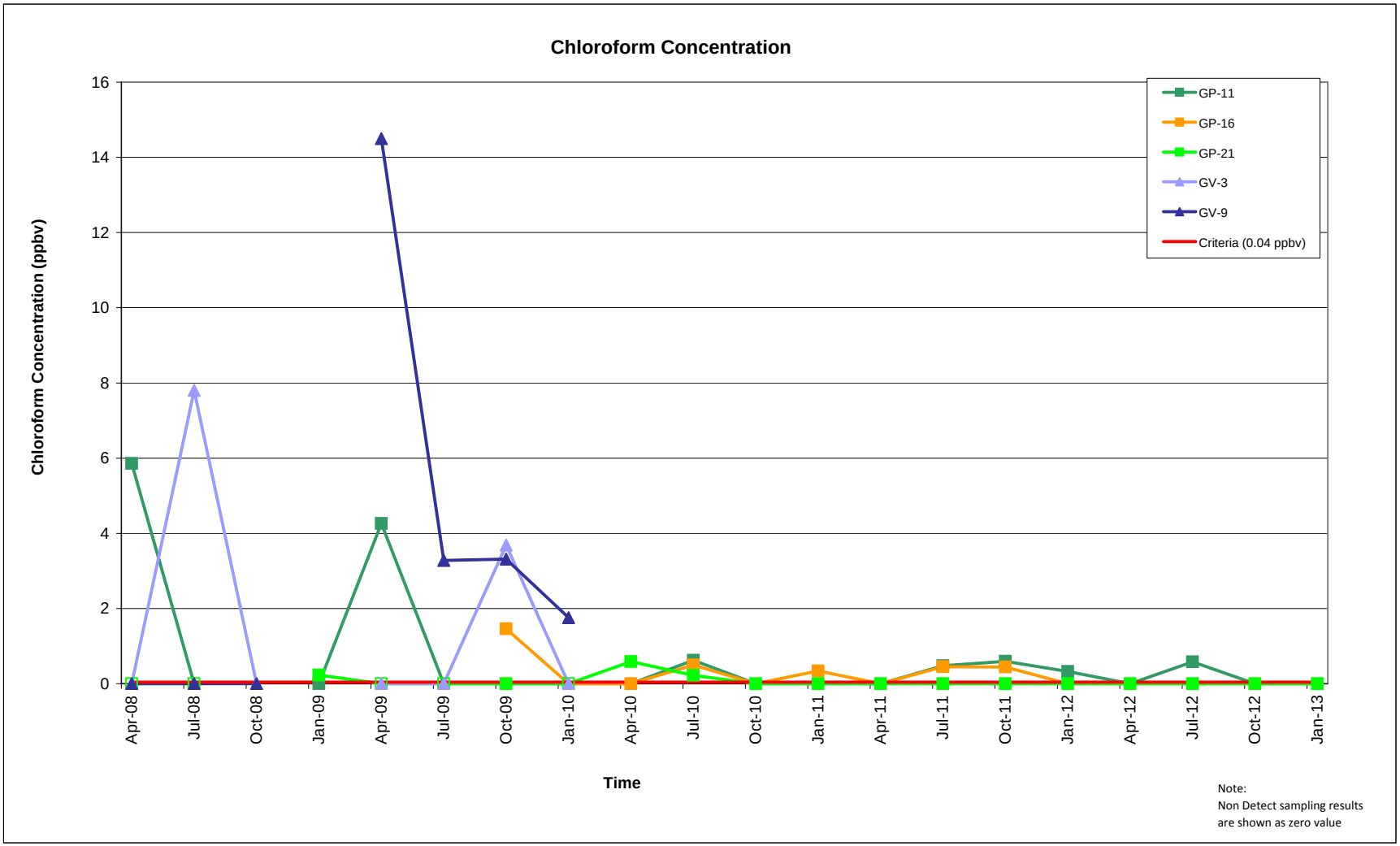

Dissolved Lead Concentration
Dissolved Lead Concentration (ug/L)
16
14
12
10
8
6
4
2
0
SW-01
SW-02
SW-04
SW-06
SW-09
SW-12
SW-13
SW-17
Criteria (0.3 ug/L)
Apr-03
Oct-03
Apr-04
Oct-04
Apr-05
Oct-05
Apr-06
Oct-06
Apr-07
Oct-07
Apr-08
Oct-08
Apr-09
Oct-09
Apr-10
Oct-10
Apr-11
Oct-11
Apr-12
Time
Note:
Non Detect sampling results
are shown as zero value

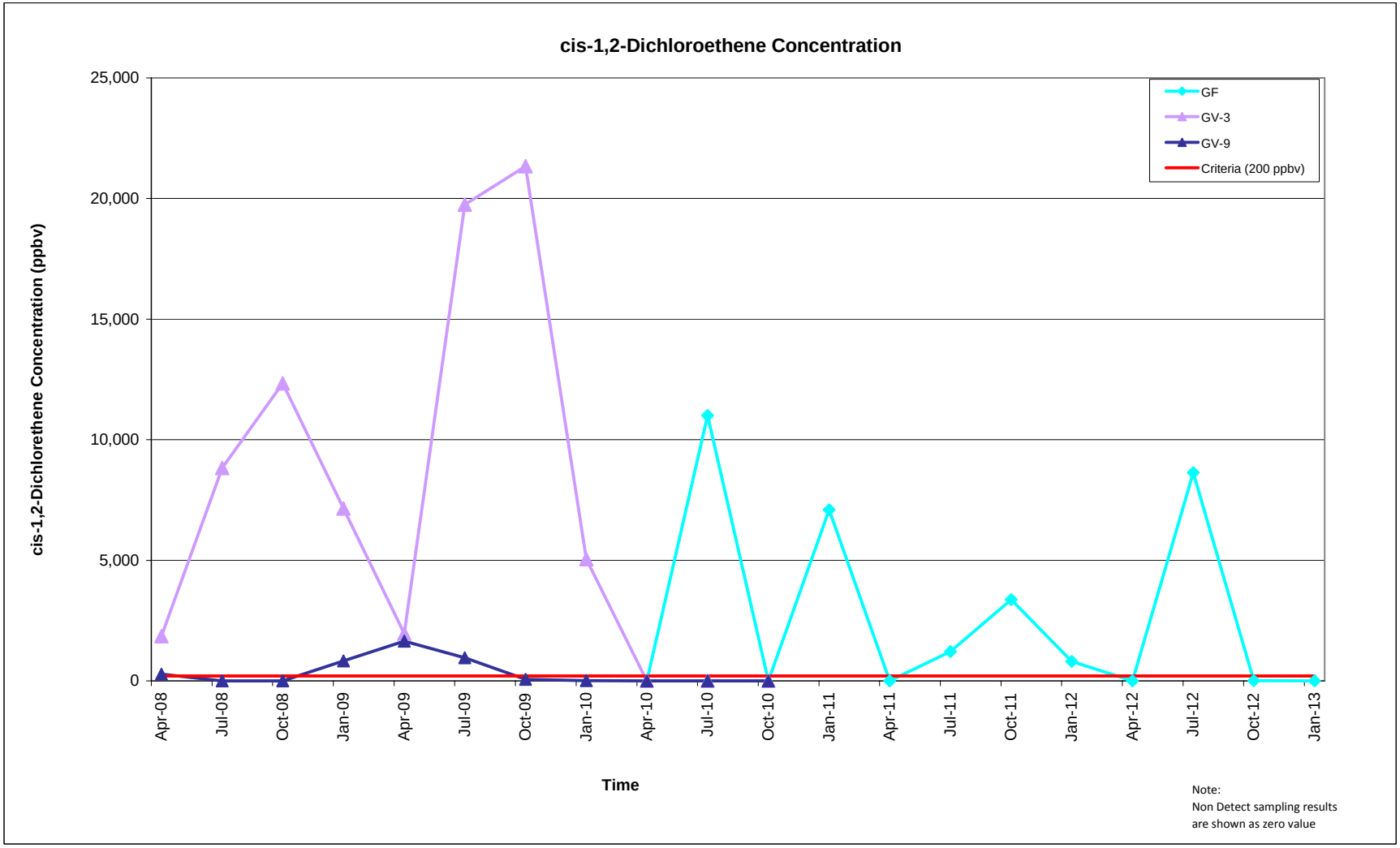

Dissolved Manganese Concentration
Dissloved Manganese Concentration (ug/L)
1400
1200
1000
800
600
400
200
0
Apr-03
Oct-03
Apr-04
Oct-04
Apr-05
Oct-05
Apr-06
Oct-06
Apr-07
Oct-07
Apr-08
Oct-08
Apr-09
Oct-09
Apr-10
Oct-10
Apr-11
Oct-11
Apr-12
Time
SW-01
SW-04
SW-06
SW-09
SW-12
SW-17
Criteria (300 ug/L)
Note:
Non Detect sampling results
are shown as zero value

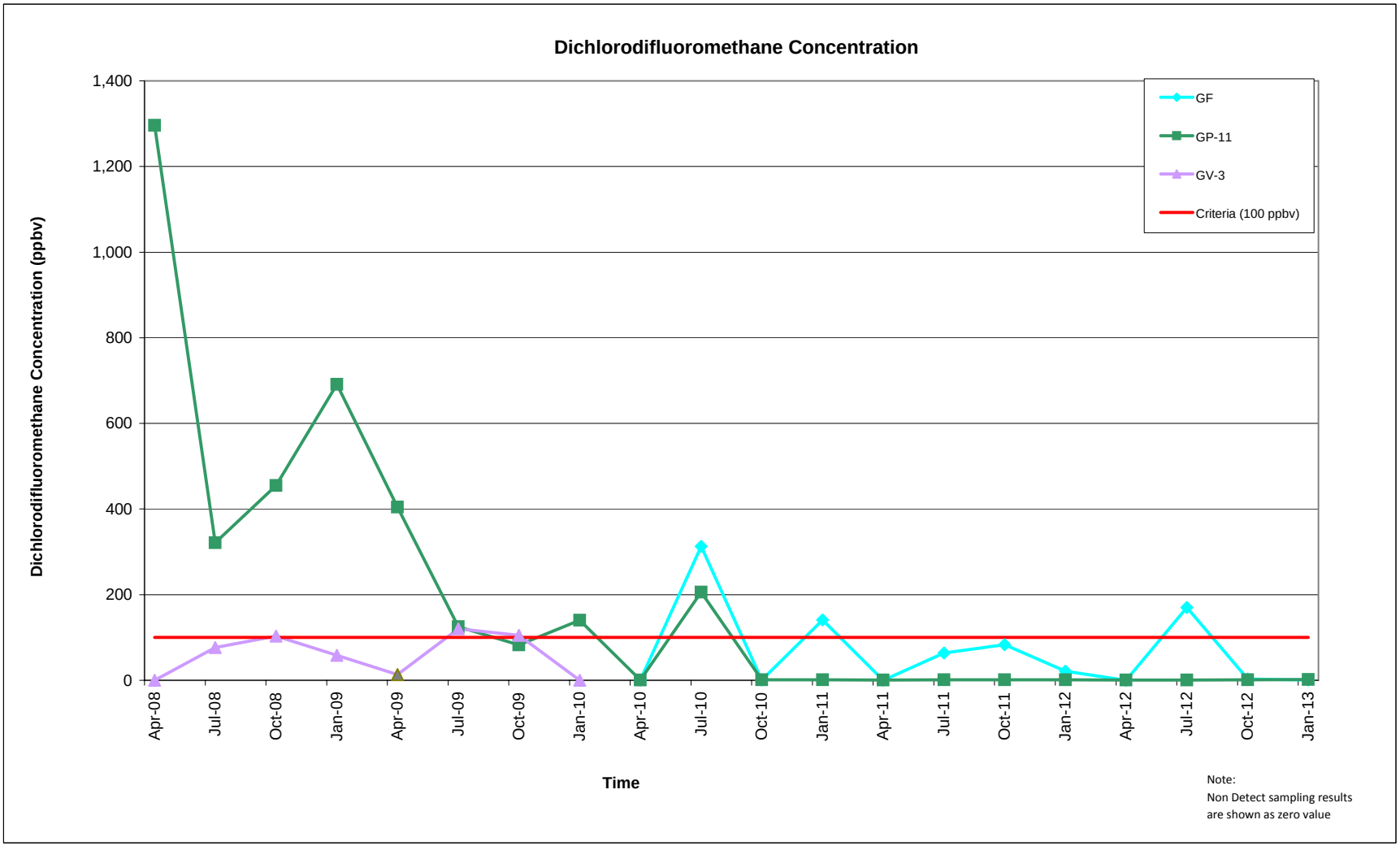

Dissolved Zinc Concentration
Dissloved Zinc Concentration (ug/L)
1400
1200
1000
800
600
400
200
0
SW-01
SW-02
SW-04
SW-06
SW-09
SW-12
SW-13
SW-17
Criteria (24 ug/L)
Apr-03
Oct-03
Apr-04
Oct-04
Apr-05
Oct-05
Apr-06
Oct-06
Apr-07
Oct-07
Apr-08
Oct-08
Apr-09
Oct-09
Apr-10
Oct-10
Apr-11
Oct-11
Apr-12
Time
Note:
Non Detect sampling results
are shown as zero value


1,1-Dichloroethene Concentration
1,1-Dichlorethene Concentration (ppbv)
140
120
100
80
60
40
20
0
GP-11
GV-3
Criteria (50 ppbv)
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Time
Note:
Non Detect sampling results
are shown as zero value

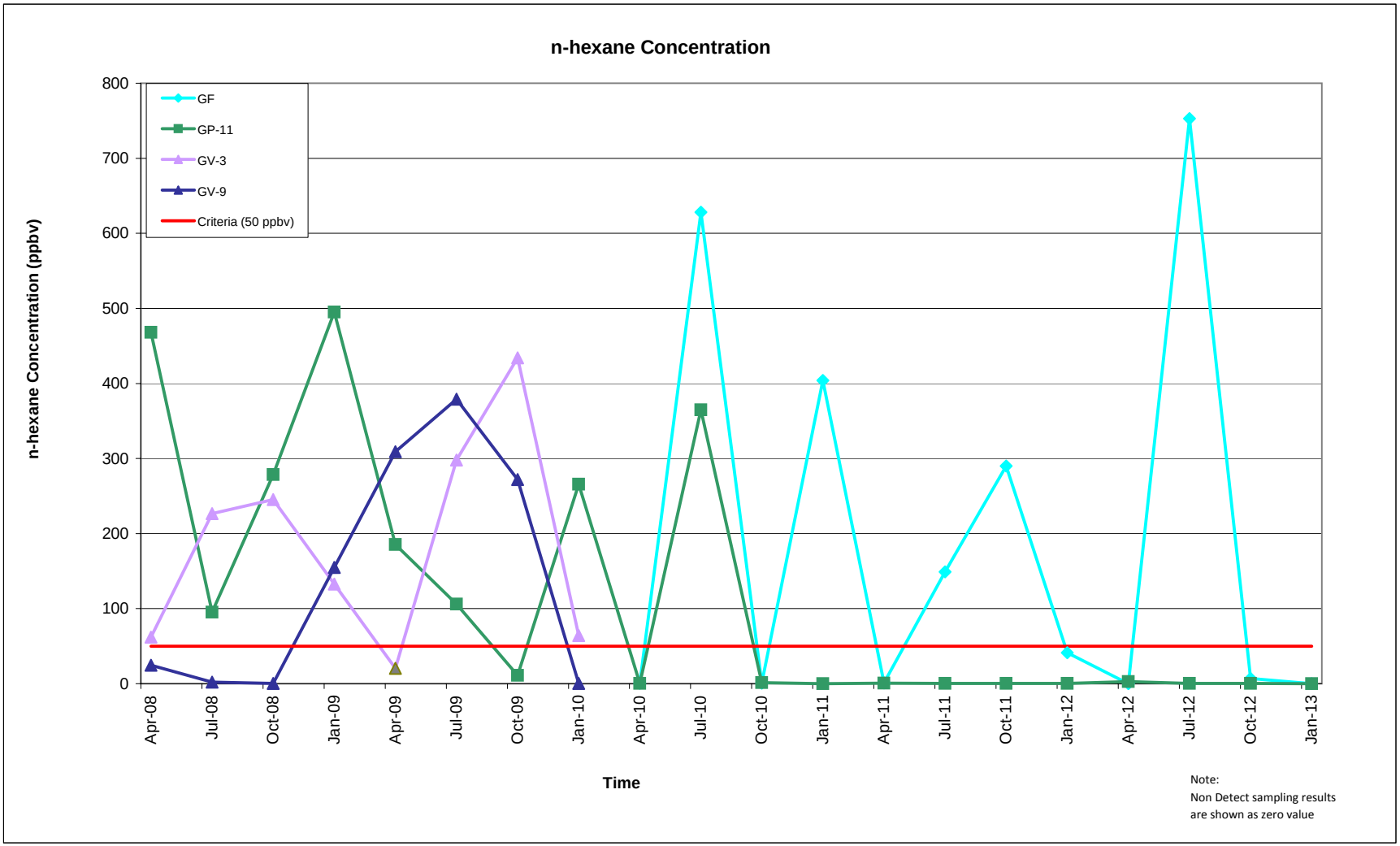

Benzene Concentration
Benzene Concentration (ppbv)
140
120
100
80
60
40
20
0
GF
GP-11
GV-3
GV-9
Criteria (9 ppbv)
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Time
Note:
Non Detect sampling results
are shown as zero value

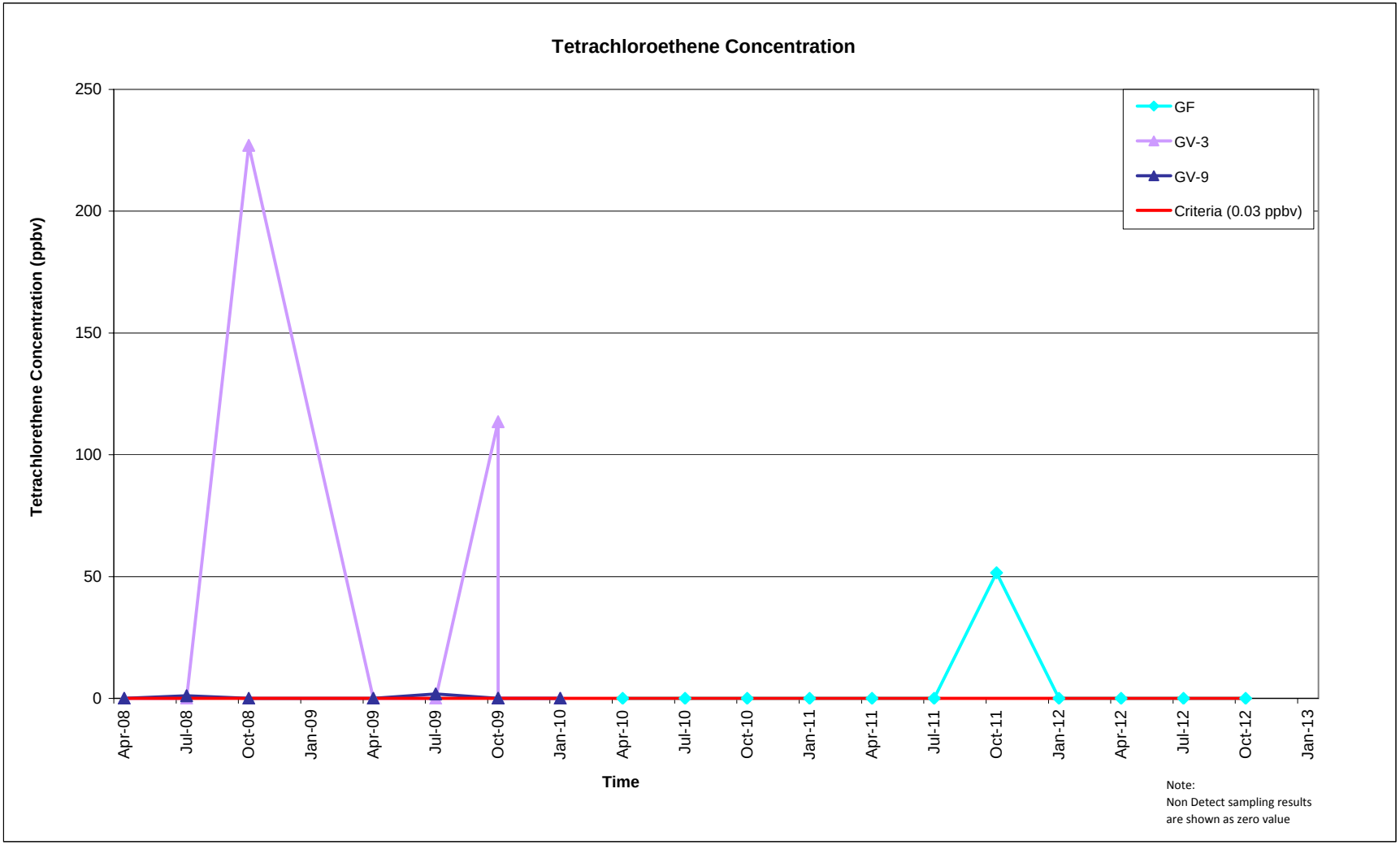

Chloroform Concentration
Chloroform Concentration (ppbv)
16
14
12
10
8
6
4
2
0
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Time
GP-11
GP-16
GP-21
GV-3
GV-9
Criteria (0.04 ppbv)
Note:
Non Detect sampling results
are shown as zero value

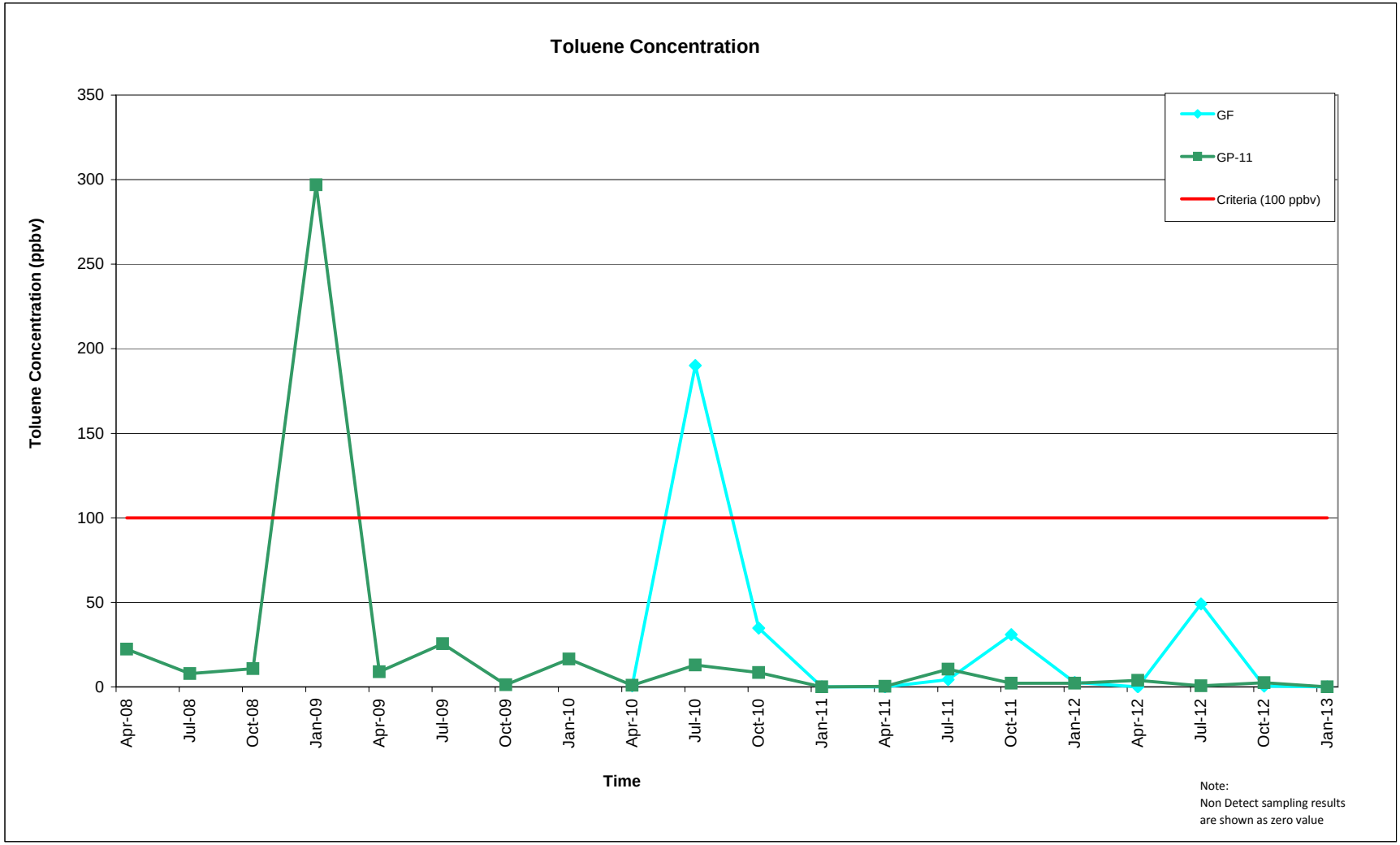

cis-1,2-Dichloroethene Concentration
cis-1,2-Dichlorethene Concentration (ppbv)
25,000
20,000
15,000
10,000
5,000
0
GF
GV-3
GV-9
Criteria (200 ppbv)
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Time
Note:
Non Detect sampling results
are shown as zero value

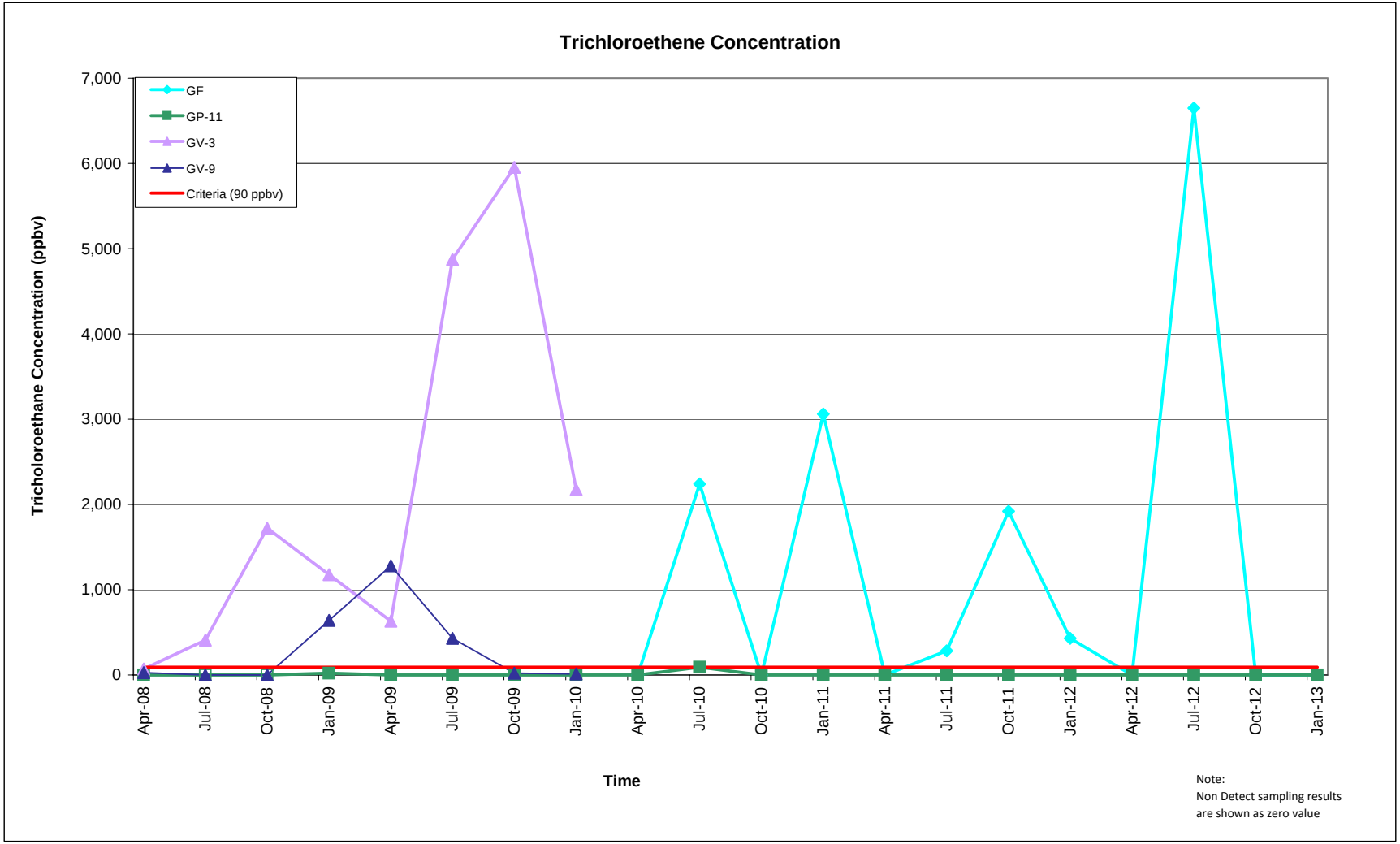

Dichlorodifluoromethane Concentration
Dichlorodifluoromethane Concentration (ppbv)
1,400
1,200
1,000
800
600
400
200
0
GF
GP-11
GV-3
Criteria (100 ppbv)
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Time
Note:
Non Detect sampling results
are shown as zero value

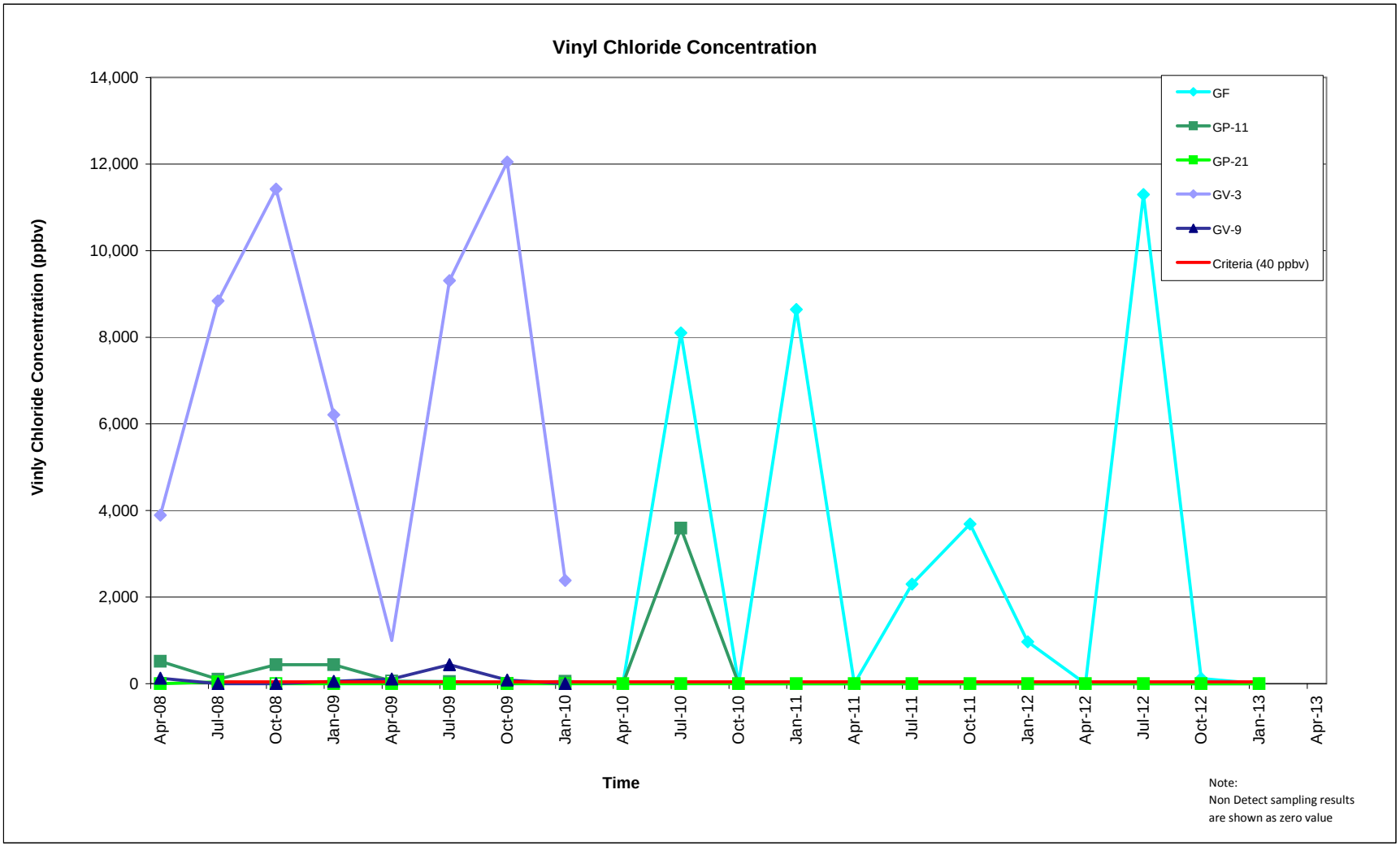
Landfill Gas Trends




Tetrachloroethene Concentration
Tetrachlorethene Concentration (ppbv)
250
200
150
100
50
0
GF
GV-3
GV-9
Criteria (0.03 ppbv)
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Time
Note:
Non Detect sampling results
are shown as zero value


Toluene Concentration
Toluene Concentration (ppbv)
350
300
250
200
150
100
50
0
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Time
GF
GP-11
Criteria (100 ppbv)
Note:
Non Detect sampling results
are shown as zero value


Trichloroethene Concentration
GF
GP-11
GV-3
GV-9
Criteria (90 ppbv)
Tricholoroethane Concentration (ppbv)
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Time
Note:
Non Detect sampling results
are shown as zero value


Vinyl Chloride Concentration
Vinly Chloride Concentration (ppbv)
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Apr-13
Time
GF
GP-11
GP-21
GV-3
GV-9
Criteria (40 ppbv)
Note:
Non Detect sampling results
are shown as zero value

APPENDIX D
SCREEN3 DISPERSION MODELING RESULTS

SCREEN 3 ASSUMPTIONS		
Parameter	**Number**	**Description**
Source Type	Area	Used for landfills
Dispersion Area	Urban	**Changed from Rural to URBAN on 9/18/2008 per DEM request**
Flagpole Receptor (ft)	0	when left at 0, model assumes receptor at ground level
Emission Rate (g/s)	1.00E+00	Assume unity emission rate of 1 g/s to provide max 1 hour concentrations
Flare Stack Height (ft)	15	
Total Heat Release Rate (BTU/min)	31000	Very Conservative Estimate. If done per EPA guidelines, this number would be 14856 BTU//min
Full meteorology	Yes	All stability classes and wind speeds
Simple Flat Terrain	Yes	Terrain Heights don't exceed stack base
Automated Distances	Yes	Min Distance: 1m (road is close to landfill), Max Distance 3000 meters (generic assumption)
Building Downwash	Nho	No buildings next to the flare

LandGEM ASSUMPTIONS		
Parameter	**Number**	**Description**
Open Year	1967	From EPA case study
Closure Year	1982	From EPA case study
Methane Generation Rate, k	.04 (1/yr)	**Changed from Model default (.5) to Model Run #3 per Final RD Report 10/16/2008**
Potential Methane Generation Capacity, Lo	100 m^3/Mg	**Changed from Model default (170) to Model Run #3 per Final RD Report 10/16/2008**
NMOC concentration	4500 ppmV	**Changed from Model Default (4000) to value found in EPA case study 10/16/2008**
Methane Content	50% by volume	**Changed from Model default to Model Run #3 per Final RD Report 10/16/2008**
Waste Acceptance Rates	13179 Mg/yr	From EPA case study
Pollutants	-	90th Percentile Values from Year 1 and 2 lab data (GV 3 and 9) and Year 2 lab data (GF)

		SPRING DATA (Q1 08)		SUMMER DATA (Q2 08)		FALL DATA (Q3 08)		SPRING DATA (Q1 09)		SUMMER DATA (Q2 09)		FALL DATA (Q3 09)		WINTER DATA (Q4 09)		SUMMER DATA (Q2 10)	FALL DATA (Q3 10)	WINTER DATA (Q4 11)	SPRING DATA (Q1 11)	SUMMER DATA (Q2 11)	FALL DATA (Q3 11)	WINTER DATA (Q4 12)	SPRING DATA (Q1 12)	SUMMER DATA (Q2 12)	FALL DATA (Q3 12)		
		GV-3 (4/30/08)	GV-9 (4/30/08)	GV-3 (7/7/08)	GV-9 (7/8/08)	GV-3 (10/21/08)	GV-9 (10/21/08)	GV-3 (4/23/09)	GV-9 (4/23/09)	GV-3 (7/23/09)	GV-9 (7/23/09)	GV-3 (10/21/09)	GV-9 (10/21/09)	GV-3 (1/27/10)	GV-9 (1/27/10)	GF (7/20/10)	GF (10/26/10)	GF (1/25/11)	GF	GF (7/21/11)	GF (10/25/11)	GF (1/24/12)				90th Percentile Values	
Volatile Organic Compounds in Air	**PAL**	**ppbv**	**ppbv**	**ppbv**	**ppbv**	**ppbv**	**ppbv**	**ppbv**	**ppbv**	**ppbv**	**ppbv**	**ppbv**	**ppbv**	**ppbv**	**ppbv**											**ppbv**	**ppmv**
1,1,1-Trichloroethane	700	30.0	18.0	102	0.2	64.1	0.20	90	56.5	58	127	119	63.9	25.4	5.47	169	0.1	241	0.25	68.6	184	10.6	0.1	356	0.9	179.5	0.180
1,1-Dichloroethane	0.1	**37.4**	**10.4**	**303**	**0.2**	**70.2**	**0.20**	**15**	**33.2**	**47**	**173**	**65.8**	**64.1**	**11.2**	**2.27**	**97.5**	**0.1**	**135**	**0.25**	**35.3**	**86.5**	**14.8**	**0.1**	**154**	**0.738**	148.3	0.148
1,1-Dichloroethene	50.00	46.8	4.0	40	0.2	**60.6**	0.20	9	2.8	**68**	5	**118**	1	23.4	0.1	19.75	0.1	31	0.25	8.18	18.8	3.92	0.1	38.8	0.2	56.46	0.056
1,2,4-Trimethylbenzene	60.00	2.5	0.2	12	1.0	29.1	0.20	1	1.0	10	1	1	1	11.2	0.1	**75.9**	0.1	11.35	0.25	0.25	6.8	1	0.1	16.6	0.2	15.125	0.015
1,3,5-Trimethylbenzene	60.00	2.5	0.2	12	1.0	29.1	0.20	1	1.0	10	1	1	1	11.2	0.1	45.3	0.1	11.35	0.25	0.25	6.8	1	0.1	16.6	0.2	15.125	0.015
2-Butanone	1,000	11.8	12.0	444	86.8	29.1	6.77	19	77.8	10	24	44.9	45.2	11.2	3.7	73.1	46.6	11.35	72.2	242	53.1	46.4	0.1	138	111	129.9	0.130
Benzene	9	**11.8**	2.9	**35**	1.1	**29.1**	0.20	4	**12.8**	**65**	**50**	**45.9**	**26.6**	**11.2**	0.287	**126**	0.351	**70.1**	0.992	**12.7**	**49.8**	8.84	0.1	**124**	0.672	68.6	0.069
Carbon disulfide	200	11.8	1.0	3	0.9	29.1	0.53	1	1.0	10	2	2.1	3.4	11.2	0.1	19.75	0.837	11.35	0.25	1.08	6.8	1	0.1	16.6	0.428	15.16	0.015
Chloroethane	4000	251.0	43.3	1040	0.6	588.0	0.20	63	192.0	368	489	547	309	78.1	2.45	1060	0.1	836	0.25	294	471	80.3	0.1	1220	10.1	978.8	0.979
Chloroform	0.04	**57.5**	**1.0**	**8**	**0.2**	**29.1**	**0.20**	**1**	**14.5**	**10**	**3**	**3.7**	**3.31**	**11.2**	**1.76**	**19.75**	**0.727**	**11.35**	**0.25**	**0.25**	**6.8**	**1**	**0.1**	**16.6**	**0.2**	18.79	0.019
Chloromethane	200	11.8	1.0	3	2.3	29.1	1.12	1	5.2	10	1	4.12	3.01	11.2	0.443	19.75	1.06	11.35	1.28	3.4	6.8	1	0.212	16.6	1.0	15.125	0.015
cis-1,2-Dichloroethene	200	**1850.0**	**277.0**	**8830**	4.9	**12300.0**	0.69	**1960**	**1650.0**	**19800**	**959**	**13500**	69.8	**5060**	12.4	**11000**	0.1	**7100**	0.25	**1220**	**3370**	**810**	0.1	**8630**	7.06	11910	11.910
Cyclohexane	2,000	37.1	14.2	120	0.5	130.0	0.20	22	185.0	156	175	232	123	42	0.972	292	0.1	185	0.25	54	139	20.2	0.1	315	2.08	217.9	0.218
Dichlorodifluoromethane	100	11.8	11.4	77	0.4	**103.0**	0.48	14	85.3	**120**	21	**105**	57.6	11.2	0.739	**313**	0.622	**141**	0.53	64	83	21	0.1	**170**	2.82	134.7	0.135
Ethyl Benzene	200	11.8	1.0	12	1.0	29.1	0.20	1	2.1	10	10	1	1	11.2	0.1	**473**	0.274	11.35	0.25	0.25	28	1	0.1	16.6	0.2	24.565	0.025
Freon 113	NE	2.5	0.2	12	1.0	29.1	0.20	1	1.0	10	1	5.09	1	11.2	0.1	19.75	0.866	24.8	0.25	0.25	6.8	1	0.1	16.6	0.2	18.79	0.019
Freon-114	NE	11.8	3.6	38	0.2	29.1	0.20	6	77.5	75	30	59.9	125	11.2	0.268	54.8	**<0.2**	94	0.25	30.5	67.8	10.5	0.1	114	1.41	90.7	0.091
Methyl tert butyl ether	800	2.5	0.2	12	1.0	29.1	0.20	1	1.0	10	1	1	1	11.2	0.1	197.5	1.23	11.35	0.25	0.25	6.8	1	0.5	16.6	0.2	15.125	0.015
Methylene chloride	300.0	11.8	1.0	24	1.1	72.5	0.50	3	2.5	25	6	9.74	2.5	28	0.25	**890**	0.1	11.35	1.25	1.25	34	5	0.1	83	1	60.95	0.061
p/m-Xylene	700	23.7	2.0	5	3.2	58.0	0.40	2	2.0	20	4	2	2	22.4	0.2	598	0.732	22.7	0.5	0.5	18.6	2	0.1	33.1	0.4	30.265	0.030
o-Xylene	700	11.8	1.0	3	0.9	29.1	0.20	1	1.0	10	1	1	1	11.2	0.291	127	0.266	11.35	0.25	0.25	6.8	1	0.1	16.6	0.2	15.125	0.015
n-Hexane	50	**61.9**	24.6	**227**	2.0	**245.0**	0.45	21	**309.0**	**298**	**379**	**436**	**272**	**64.1**	0.375	**628**	0.761	**404**	0.918	**149**	**290**	41.3	0.1	**753**	6.93	426.4	0.426
Propylene	2,000	2.5	0.2	3	31.6	29.1	3.63	16	262.0	180	121	192	274	42	1.84	158	7.91	449	20.6	210	243	74.5	7.9	616	46.1	270.4	0.270
Tetrachloroethene	0.03	**2.5**	**0.2**	**3**	**1.1**	**227.0**	**0.20**	**1**	**1.0**	**10**	**2**	**1**	**1**	**11.2**	**0.1**	**19.75**	**0.1**	**11.35**	**0.25**	**0.25**	**51.6**	**1**	**0.1**	**16.6**	**0.2**	18.79	0.019
Toluene	100	11.8	7.9	84	3.7	60.9	96.40	18	42.2	68	25	42.6	5.86	11.2	0.237	**190**	34.7	26.3	0.752	4.29	30.9	2.62	0.1	49	0.506	79.12	0.079
trans-1,2-Dichloroethene	20	11.8	1.0	**30**	0.2	**29.1**	0.20	7	13.0	**55**	7	**144**	1	11.2	0.1	19.75	0.1	**33.9**	0.25	11.7	**21.2**	4.83	0.1	**42.2**	0.2	39.71	0.040
Trichloroethene	90	69.2	27.8	**410**	0.8	**1720.0**	0.54	**632**	**1280.0**	**4890**	**431**	**5880**	20.2	**2170**	11.5	**2240**	0.212	**3060**	0.25	**284**	**1920**	**430**	0.1	**6650**	0.2	4341	4.341
Trichlorofluoromethane	200	11.8	4.5	3	0.2	29.1	0.20	1	6.6	10	7	3.08	9.56	11.2	0.279	19.75	0.392	11.35	0.25	2.12	6.8	1	0.1	16.6	0.2	15.125	0.015
Vinyl chloride	40	**3740.0**	**126.0**	**8860**	1.2	**11400.0**	0.51	**999**	**108.0**	**9320**	**440**	**8780**	**82.6**	**2390**	0.688	**8100**	0.1	**8640**	0.25	**2300**	**3690**	**966**	0.973	**11300**	**120**	9182	9.182

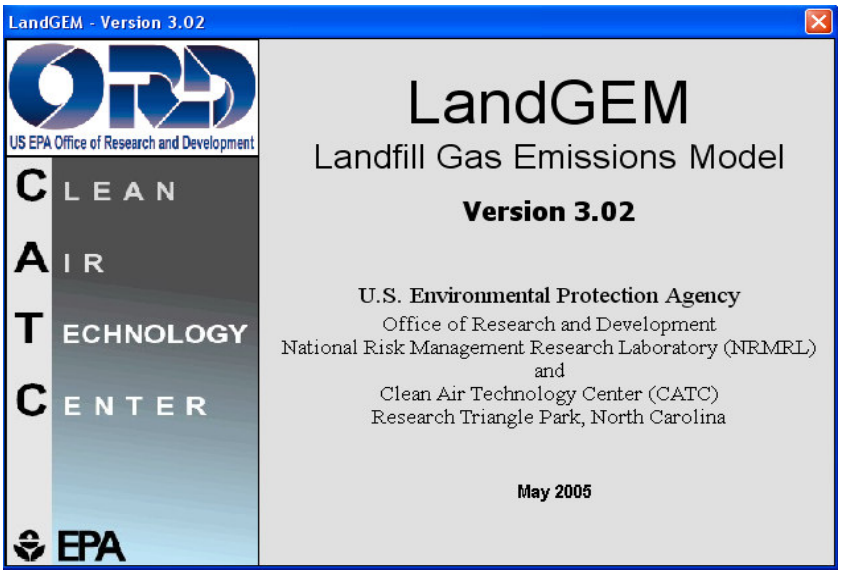
Bold Highlighted text indicates value exceeds PAL
Bold Patterned text indicates Laboratory Detection Limit exceeds PAL

SCREEN 3 - MAX 1 HOUR CONCENTRATION

Calculation Procedure	Max. Conc (micrograms/m^3)	Dist. To max (m)
Simple Terrain	**238.3**	37

NOTE: DECREASING THE SOURCE RELEASE HEIGHT TO **0** GREATLY INCREASES THE CONC (EPA has their source release at 0)

Results edited to reflect changes in URBAN option and anemometer height per request of DEM on 9/18/2008 old results were 188.2 conc at 777m



Summary Report

Landfill Name or Identifier: Rose Hill Landfill

Date: Tuesday, December 18, 2012

Description/Comments:

About LandGEM:

First-Order Decomposition Rate Equation:

$$Q_{CH_4} = \sum_{i=1}^{n} \sum_{j=0.1}^{1} k L_o \left(\frac{M_i}{10} \right) e^{-k t_{ij}}$$

Where,

Q_{CH_4} = annual methane generation in the year of the calculation (***m^3/year***)
i = 1-year time increment
n = (year of the calculation) - (initial year of waste acceptance)
j = 0.1-year time increment
k = methane generation rate (***$year^{-1}$***)
L_o = potential methane generation capacity (***m^3/Mg***)

M_i = mass of waste accepted in the ith year (***Mg***)
t_{ij} = age of the jth section of waste mass M_i accepted in the ith year (***decimal years***, e.g., 3.2 years)

LandGEM is based on a first-order decomposition rate equation for quantifying emissions from the decomposition of landfilled waste in municipal solid waste (MSW) landfills. The software provides a relatively simple approach to estimating landfill gas emissions. Model defaults are based on empirical data from U.S. landfills. Field test data can also be used in place of model defaults when available. Further guidance on EPA test methods, Clean Air Act (CAA) regulations, and other guidance regarding landfill gas emissions and control technology requirements can be found at http://www.epa.gov/ttnatw01/landfill/landflpg.html.

LandGEM is considered a screening tool — the better the input data, the better the estimates. Often, there are limitations with the available data regarding waste quantity and composition, variation in design and operating practices over time, and changes occurring over time that impact the emissions potential. Changes to landfill operation, such as operating under wet conditions through leachate recirculation or other liquid additions, will result in generating more gas at a faster rate. Defaults for estimating emissions for this type of operation are being developed to include in LandGEM along with defaults for convential landfills (no leachate or liquid additions) for developing emission inventories and determining CAA applicability. Refer to the Web site identified above for future updates.

Input Review

LANDFILL CHARACTERISTICS

Landfill Open Year	**1967**	
Landfill Closure Year (with 80-year limit)	**1982**	
Actual Closure Year (without limit)	***1982***	
Have Model Calculate Closure Year?	**No**	
Waste Design Capacity		***megagrams***

MODEL PARAMETERS

Methane Generation Rate, k	**0.040**	***$year^{-1}$***
Potential Methane Generation Capacity, L_o	**100**	***m^3/Mg***
NMOC Concentration	**4,500**	***ppmv as hexane***
Methane Content	**50**	***% by volume***

GASES / POLLUTANTS SELECTED

Gas / Pollutant #1:	**Total landfill gas**
Gas / Pollutant #2:	**Methane**
Gas / Pollutant #3:	**Carbon dioxide**
Gas / Pollutant #4:	**NMOC**

WASTE ACCEPTANCE RATES

Year	Waste Accepted		Waste-In-Place	
	(Mg/year)	*(short tons/year)*	*(Mg)*	*(short tons)*
1967	13,179	14,497	0	0
1968	13,179	14,497	13,179	14,497
1969	13,179	14,497	26,358	28,994
1970	13,179	14,497	39,537	43,491
1971	13,179	14,497	52,716	57,988
1972	13,179	14,497	65,895	72,485
1973	13,179	14,497	79,074	86,981
1974	13,179	14,497	92,253	101,478
1975	13,179	14,497	105,432	115,975
1976	13,179	14,497	118,611	130,472
1977	13,179	14,497	131,790	144,969
1978	13,179	14,497	144,969	159,466
1979	13,179	14,497	158,148	173,963
1980	13,179	14,497	171,327	188,460
1981	13,179	14,497	184,506	202,957
1982	13,179	14,497	197,685	217,454
1983	0	0	210,864	231,950
1984	0	0	210,864	231,950
1985	0	0	210,864	231,950
1986	0	0	210,864	231,950
1987	0	0	210,864	231,950
1988	0	0	210,864	231,950
1989	0	0	210,864	231,950
1990	0	0	210,864	231,950
1991	0	0	210,864	231,950
1992	0	0	210,864	231,950
1993	0	0	210,864	231,950
1994	0	0	210,864	231,950
1995	0	0	210,864	231,950
1996	0	0	210,864	231,950
1997	0	0	210,864	231,950
1998	0	0	210,864	231,950
1999	0	0	210,864	231,950
2000	0	0	210,864	231,950
2001	0	0	210,864	231,950
2002	0	0	210,864	231,950
2003	0	0	210,864	231,950
2004	0	0	210,864	231,950
2005	0	0	210,864	231,950
2006	0	0	210,864	231,950

WASTE ACCEPTANCE RATES (Continued)

Year	Waste Accepted		Waste-In-Place	
	(Mg/year)	*(short tons/year)*	*(Mg)*	*(short tons)*
2007	0	0	210,864	231,950
2008	0	0	210,864	231,950
2009	0	0	210,864	231,950
2010	0	0	210,864	231,950
2011	0	0	210,864	231,950
2012	0	0	210,864	231,950
2013	0	0	210,864	231,950
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2015	0	0	210,864	231,950
2016	0	0	210,864	231,950
2017	0	0	210,864	231,950
2018	0	0	210,864	231,950
2019	0	0	210,864	231,950
2020	0	0	210,864	231,950
2021	0	0	210,864	231,950
2022	0	0	210,864	231,950
2023	0	0	210,864	231,950
2024	0	0	210,864	231,950
2025	0	0	210,864	231,950
2026	0	0	210,864	231,950
2027	0	0	210,864	231,950
2028	0	0	210,864	231,950
2029	0	0	210,864	231,950
2030	0	0	210,864	231,950
2031	0	0	210,864	231,950
2032	0	0	210,864	231,950
2033	0	0	210,864	231,950
2034	0	0	210,864	231,950
2035	0	0	210,864	231,950
2036	0	0	210,864	231,950
2037	0	0	210,864	231,950
2038	0	0	210,864	231,950
2039	0	0	210,864	231,950
2040	0	0	210,864	231,950
2041	0	0	210,864	231,950
2042	0	0	210,864	231,950
2043	0	0	210,864	231,950
2044	0	0	210,864	231,950
2045	0	0	210,864	231,950
2046	0	0	210,864	231,950

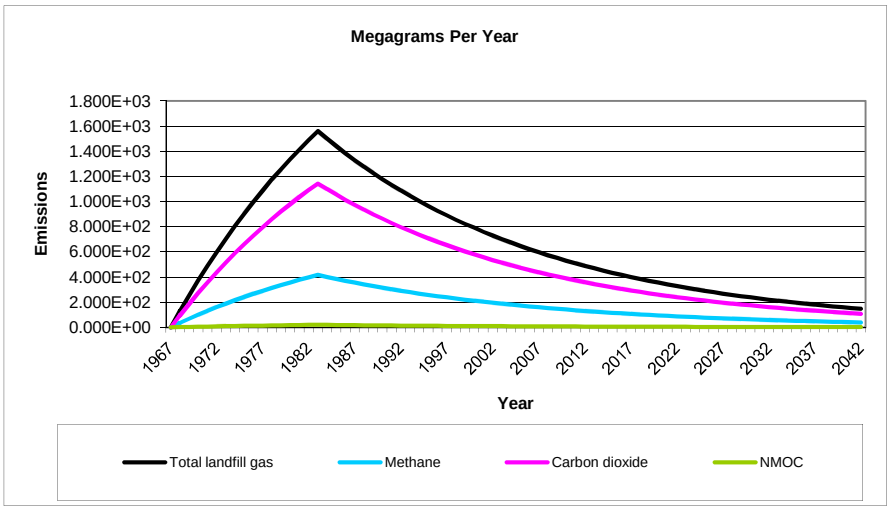
Pollutant Parameters

		Gas / Pollutant Default Parameters:		User-specified Pollutant Parameters:	
	Compound	Concentration (***ppmv***)	Molecular Weight	Concentration (***ppmv***)	Molecular Weight
Gases	Total landfill gas		0.00		
	Methane		16.04		
	Carbon dioxide		44.01		
	NMOC	4,000	86.18		
Pollutants	1,1,1-Trichloroethane (methyl chloroform) - HAP	0.48	133.41	0.18	133.41
	1,1,2,2-Tetrachloroethane - HAP/VOC	1.1	167.85		
	1,1-Dichloroethane (ethylidene dichloride) - HAP/VOC	2.4	98.97	0.15	98.97
	1,1-Dichloroethene (vinylidene chloride) - HAP/VOC	0.20	96.94	0.06	96.94
	1,2-Dichloroethane (ethylene dichloride) - HAP/VOC	0.41	98.96		
	1,2-Dichloropropane (propylene dichloride) - HAP/VOC	0.18	112.99		
	2-Propanol (isopropyl alcohol) - VOC	50	60.11		
	Acetone	7.0	58.08		
	Acrylonitrile - HAP/VOC	6.3	53.06		
	Benzene - No or Unknown Co-disposal - HAP/VOC	1.9	78.11	0.07	78.11
	Benzene - Co-disposal - HAP/VOC	11	78.11		
	Bromodichloromethane - VOC	3.1	163.83		
	Butane - VOC	5.0	58.12		
	Carbon disulfide - HAP/VOC	0.58	76.13	0.02	76.13
	Carbon monoxide	140	28.01		
	Carbon tetrachloride - HAP/VOC	4.0E-03	153.84		
	Carbonyl sulfide - HAP/VOC	0.49	60.07		
	Chlorobenzene - HAP/VOC	0.25	112.56		
	Chlorodifluoromethane	1.3	86.47		
	Chloroethane (ethyl chloride) - HAP/VOC	1.3	64.52	1.04	64.52
	Chloroform - HAP/VOC	0.03	119.39	0.02	119.39
	Chloromethane - VOC	1.2	50.49	0.02	50.49
	Dichlorobenzene - (HAP for para isomer/VOC)	0.21	147		
	Dichlorodifluoromethane	16	120.91	0.14	120.91
	Dichlorofluoromethane - VOC	2.6	102.92		
	Dichloromethane (methylene chloride) - HAP	14	84.94		
	Dimethyl sulfide (methyl sulfide) - VOC	7.8	62.13		
	Ethane	890	30.07		
	Ethanol - VOC	27	46.08		

Pollutant Parameters (Continued)

	Compound	Gas / Pollutant Default Parameters: Concentration (*ppmv*)	Molecular Weight	User-specified Pollutant Parameters: Concentration (*ppmv*)	Molecular Weight
Pollutants	Ethyl mercaptan (ethanethiol) - VOC	2.3	62.13		
	Ethylbenzene - HAP/VOC	4.6	106.16	0.03	106.16
	Ethylene dibromide - HAP/VOC	1.0E-03	187.88		
	Fluorotrichloromethane - VOC	0.76	137.38		
	Hexane - HAP/VOC	6.6	86.18	0.43	86.18
	Hydrogen sulfide	36	34.08		
	Mercury (total) - HAP	2.9E-04	200.61		
	Methyl ethyl ketone - HAP/VOC	7.1	72.11		
	Methyl isobutyl ketone - HAP/VOC	1.9	100.16		
	Methyl mercaptan - VOC	2.5	48.11		
	Pentane - VOC	3.3	72.15		
	Perchloroethylene (tetrachloroethylene) - HAP	3.7	165.83		
	Propane - VOC	11	44.09		
	t-1,2-Dichloroethene - VOC	2.8	96.94		
	Toluene - No or Unknown Co-disposal - HAP/VOC	39	92.13	0.08	92.13
	Toluene - Co-disposal - HAP/VOC	170	92.13		
	Trichloroethylene (trichloroethene) - HAP/VOC	2.8	131.40		131.40
	Vinyl chloride - HAP/VOC	7.3	62.50	9.18	62.50
	Xylenes - HAP/VOC	12	106.16	0.05	106.16
	2-Butanone			0.13	72.11
	cyclohexane			0.22	84.16
	Freon-114			0.09	170.92
	Methylene Chloride			0.06	84.93
	Propylene (Propene)			0.27	42.08
	Tetrachlorothene			0.02	165.80
	Trichlorofluoromethane			0.02	137.37
	o-xylene			0.02	106.17
	cis-1,2-Dichloroethene			11.91	96.95
	Freon-113			0.02	187.38

Graphs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1.200E+03
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8.000E+02
6.000E+02
4.000E+02
2.000E+02
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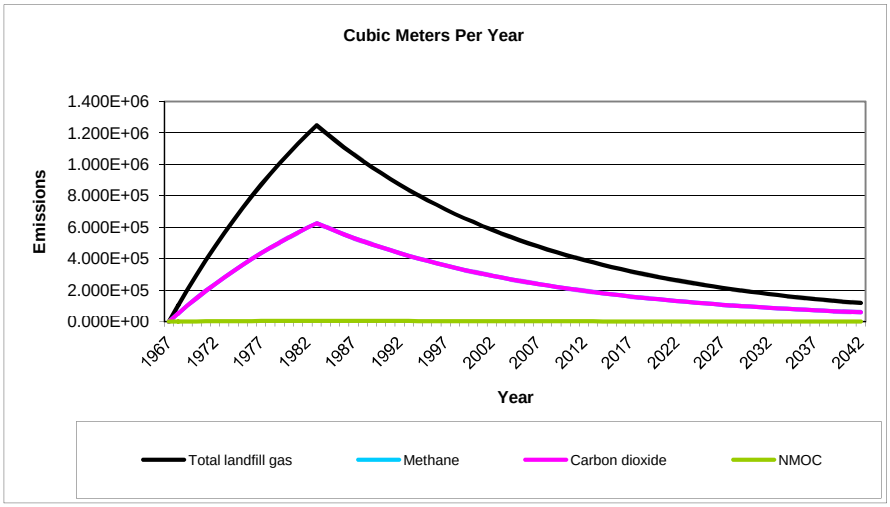
Year
Total landfill gas
Methane
Carbon dioxide
NMOC


Cubic Meters Per Year
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8.000E+05
6.000E+05
4.000E+05
2.000E+05
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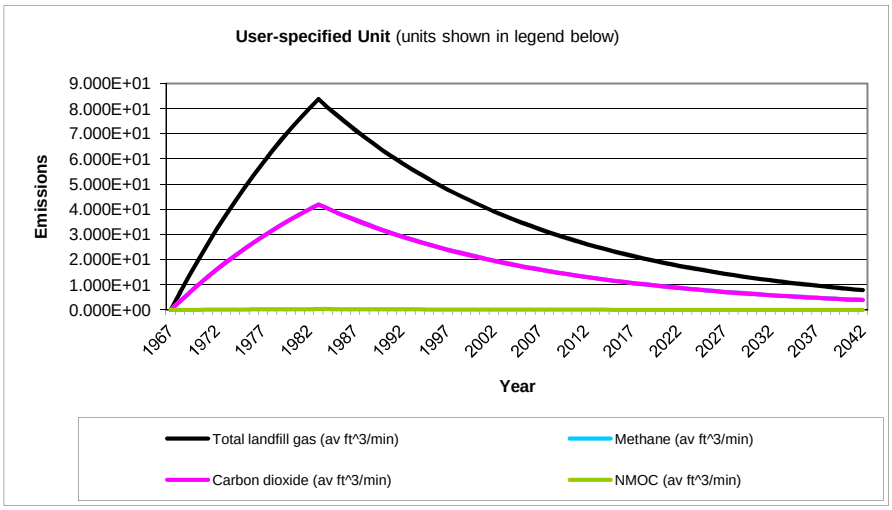
1967 1972 1977 1982 1987 1992 1997 2002 2007 2012 2017 2022 2027 2032 2037 2042
Year
Total landfill gas
Methane
Carbon dioxide
NMOC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Emissions
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7.000E+01
6.000E+01
5.000E+01
4.000E+01
3.000E+01
2.000E+01
1.000E+01
0.000E+00
1967 1972 1977 1982 1987 1992 1997 2002 2007 2012 2017 2022 2027 2032 2037 2042
Year
Total landfill gas (av ft^3/min)
Methane (av ft^3/min)
Carbon dioxide (av ft^3/min)
NMOC (av ft^3/min)

Results

Year	Total landfill gas			Methane		
	(Mg/year)	*(m^3/year)*	*(av ft^3/min)*	*(Mg/year)*	*(m^3/year)*	*(av ft^3/min)*
1967	0	0	0	0	0	0
1968	1.293E+02	1.036E+05	6.958E+00	3.454E+01	5.178E+04	3.479E+00
1969	2.536E+02	2.031E+05	1.364E+01	6.773E+01	1.015E+05	6.822E+00
1970	3.730E+02	2.987E+05	2.007E+01	9.962E+01	1.493E+05	1.003E+01
1971	4.877E+02	3.905E+05	2.624E+01	1.303E+02	1.952E+05	1.312E+01
1972	5.979E+02	4.787E+05	3.217E+01	1.597E+02	2.394E+05	1.608E+01
1973	7.038E+02	5.635E+05	3.786E+01	1.880E+02	2.818E+05	1.893E+01
1974	8.055E+02	6.450E+05	4.334E+01	2.152E+02	3.225E+05	2.167E+01
1975	9.032E+02	7.233E+05	4.860E+01	2.413E+02	3.616E+05	2.430E+01
1976	9.971E+02	7.985E+05	5.365E+01	2.663E+02	3.992E+05	2.682E+01
1977	1.087E+03	8.707E+05	5.850E+01	2.904E+02	4.354E+05	2.925E+01
1978	1.174E+03	9.401E+05	6.317E+01	3.136E+02	4.701E+05	3.158E+01
1979	1.257E+03	1.007E+06	6.765E+01	3.358E+02	5.034E+05	3.382E+01
1980	1.337E+03	1.071E+06	7.195E+01	3.572E+02	5.355E+05	3.598E+01
1981	1.414E+03	1.132E+06	7.609E+01	3.778E+02	5.662E+05	3.805E+01
1982	1.488E+03	1.192E+06	8.006E+01	3.975E+02	5.958E+05	4.003E+01
1983	1.559E+03	1.248E+06	8.388E+01	4.165E+02	6.242E+05	4.194E+01
1984	1.498E+03	1.200E+06	8.059E+01	4.001E+02	5.998E+05	4.030E+01
1985	1.439E+03	1.152E+06	7.743E+01	3.844E+02	5.762E+05	3.872E+01
1986	1.383E+03	1.107E+06	7.440E+01	3.694E+02	5.536E+05	3.720E+01
1987	1.329E+03	1.064E+06	7.148E+01	3.549E+02	5.319E+05	3.574E+01
1988	1.276E+03	1.022E+06	6.868E+01	3.410E+02	5.111E+05	3.434E+01
1989	1.226E+03	9.821E+05	6.599E+01	3.276E+02	4.910E+05	3.299E+01
1990	1.178E+03	9.436E+05	6.340E+01	3.147E+02	4.718E+05	3.170E+01
1991	1.132E+03	9.066E+05	6.091E+01	3.024E+02	4.533E+05	3.046E+01
1992	1.088E+03	8.710E+05	5.852E+01	2.905E+02	4.355E+05	2.926E+01
1993	1.045E+03	8.369E+05	5.623E+01	2.792E+02	4.184E+05	2.811E+01
1994	1.004E+03	8.041E+05	5.402E+01	2.682E+02	4.020E+05	2.701E+01
1995	9.647E+02	7.725E+05	5.191E+01	2.577E+02	3.863E+05	2.595E+01
1996	9.269E+02	7.422E+05	4.987E+01	2.476E+02	3.711E+05	2.494E+01
1997	8.906E+02	7.131E+05	4.792E+01	2.379E+02	3.566E+05	2.396E+01
1998	8.557E+02	6.852E+05	4.604E+01	2.286E+02	3.426E+05	2.302E+01
1999	8.221E+02	6.583E+05	4.423E+01	2.196E+02	3.292E+05	2.212E+01
2000	7.899E+02	6.325E+05	4.250E+01	2.110E+02	3.162E+05	2.125E+01
2001	7.589E+02	6.077E+05	4.083E+01	2.027E+02	3.038E+05	2.042E+01
2002	7.291E+02	5.839E+05	3.923E+01	1.948E+02	2.919E+05	1.961E+01
2003	7.005E+02	5.610E+05	3.769E+01	1.871E+02	2.805E+05	1.885E+01
2004	6.731E+02	5.390E+05	3.621E+01	1.798E+02	2.695E+05	1.811E+01
2005	6.467E+02	5.178E+05	3.479E+01	1.727E+02	2.589E+05	1.740E+01
2006	6.213E+02	4.975E+05	3.343E+01	1.660E+02	2.488E+05	1.671E+01
2007	5.970E+02	4.780E+05	3.212E+01	1.595E+02	2.390E+05	1.606E+01
2008	5.736E+02	4.593E+05	3.086E+01	1.532E+02	2.296E+05	1.543E+01
2009	5.511E+02	4.413E+05	2.965E+01	1.472E+02	2.206E+05	1.482E+01
2010	5.295E+02	4.240E+05	2.849E+01	1.414E+02	2.120E+05	1.424E+01
2011	5.087E+02	4.073E+05	2.737E+01	1.359E+02	2.037E+05	1.368E+01
2012	4.888E+02	3.914E+05	2.630E+01	1.306E+02	1.957E+05	1.315E+01
2013	4.696E+02	3.760E+05	2.527E+01	1.254E+02	1.880E+05	1.263E+01
2014	4.512E+02	3.613E+05	2.427E+01	1.205E+02	1.806E+05	1.214E+01
2015	4.335E+02	3.471E+05	2.332E+01	1.158E+02	1.736E+05	1.166E+01
2016	4.165E+02	3.335E+05	2.241E+01	1.112E+02	1.668E+05	1.120E+01

Results (Continued)

Year	Total landfill gas			Methane		
	(Mg/year)	*(m^3/year)*	*(av ft^3/min)*	*(Mg/year)*	*(m^3/year)*	*(av ft^3/min)*
2017	4.002E+02	3.204E+05	2.153E+01	1.069E+02	1.602E+05	1.076E+01
2018	3.845E+02	3.079E+05	2.069E+01	1.027E+02	1.539E+05	1.034E+01
2019	3.694E+02	2.958E+05	1.987E+01	9.867E+01	1.479E+05	9.937E+00
2020	3.549E+02	2.842E+05	1.910E+01	9.480E+01	1.421E+05	9.548E+00
2021	3.410E+02	2.731E+05	1.835E+01	9.108E+01	1.365E+05	9.173E+00
2022	3.276E+02	2.623E+05	1.763E+01	8.751E+01	1.312E+05	8.813E+00
2023	3.148E+02	2.521E+05	1.694E+01	8.408E+01	1.260E+05	8.468E+00
2024	3.024E+02	2.422E+05	1.627E+01	8.078E+01	1.211E+05	8.136E+00
2025	2.906E+02	2.327E+05	1.563E+01	7.762E+01	1.163E+05	7.817E+00
2026	2.792E+02	2.236E+05	1.502E+01	7.457E+01	1.118E+05	7.510E+00
2027	2.682E+02	2.148E+05	1.443E+01	7.165E+01	1.074E+05	7.216E+00
2028	2.577E+02	2.064E+05	1.387E+01	6.884E+01	1.032E+05	6.933E+00
2029	2.476E+02	1.983E+05	1.332E+01	6.614E+01	9.914E+04	6.661E+00
2030	2.379E+02	1.905E+05	1.280E+01	6.355E+01	9.525E+04	6.400E+00
2031	2.286E+02	1.830E+05	1.230E+01	6.105E+01	9.152E+04	6.149E+00
2032	2.196E+02	1.759E+05	1.182E+01	5.866E+01	8.793E+04	5.908E+00
2033	2.110E+02	1.690E+05	1.135E+01	5.636E+01	8.448E+04	5.676E+00
2034	2.027E+02	1.623E+05	1.091E+01	5.415E+01	8.117E+04	5.454E+00
2035	1.948E+02	1.560E+05	1.048E+01	5.203E+01	7.798E+04	5.240E+00
2036	1.871E+02	1.499E+05	1.007E+01	4.999E+01	7.493E+04	5.034E+00
2037	1.798E+02	1.440E+05	9.674E+00	4.803E+01	7.199E+04	4.837E+00
2038	1.728E+02	1.383E+05	9.295E+00	4.614E+01	6.917E+04	4.647E+00
2039	1.660E+02	1.329E+05	8.930E+00	4.433E+01	6.645E+04	4.465E+00
2040	1.595E+02	1.277E+05	8.580E+00	4.260E+01	6.385E+04	4.290E+00
2041	1.532E+02	1.227E+05	8.244E+00	4.093E+01	6.135E+04	4.122E+00
2042	1.472E+02	1.179E+05	7.920E+00	3.932E+01	5.894E+04	3.960E+00
2043	1.414E+02	1.133E+05	7.610E+00	3.778E+01	5.663E+04	3.805E+00
2044	1.359E+02	1.088E+05	7.311E+00	3.630E+01	5.441E+04	3.656E+00
2045	1.306E+02	1.045E+05	7.025E+00	3.488E+01	5.227E+04	3.512E+00
2046	1.254E+02	1.005E+05	6.749E+00	3.351E+01	5.023E+04	3.375E+00
2047	1.205E+02	9.651E+04	6.485E+00	3.219E+01	4.826E+04	3.242E+00
2048	1.158E+02	9.273E+04	6.230E+00	3.093E+01	4.636E+04	3.115E+00
2049	1.113E+02	8.909E+04	5.986E+00	2.972E+01	4.455E+04	2.993E+00
2050	1.069E+02	8.560E+04	5.751E+00	2.855E+01	4.280E+04	2.876E+00
2051	1.027E+02	8.224E+04	5.526E+00	2.743E+01	4.112E+04	2.763E+00
2052	9.868E+01	7.902E+04	5.309E+00	2.636E+01	3.951E+04	2.655E+00
2053	9.481E+01	7.592E+04	5.101E+00	2.532E+01	3.796E+04	2.550E+00
2054	9.109E+01	7.294E+04	4.901E+00	2.433E+01	3.647E+04	2.450E+00
2055	8.752E+01	7.008E+04	4.709E+00	2.338E+01	3.504E+04	2.354E+00
2056	8.409E+01	6.733E+04	4.524E+00	2.246E+01	3.367E+04	2.262E+00
2057	8.079E+01	6.469E+04	4.347E+00	2.158E+01	3.235E+04	2.173E+00
2058	7.762E+01	6.216E+04	4.176E+00	2.073E+01	3.108E+04	2.088E+00
2059	7.458E+01	5.972E+04	4.013E+00	1.992E+01	2.986E+04	2.006E+00
2060	7.166E+01	5.738E+04	3.855E+00	1.914E+01	2.869E+04	1.928E+00
2061	6.885E+01	5.513E+04	3.704E+00	1.839E+01	2.756E+04	1.852E+00
2062	6.615E+01	5.297E+04	3.559E+00	1.767E+01	2.648E+04	1.779E+00
2063	6.355E+01	5.089E+04	3.419E+00	1.698E+01	2.544E+04	1.710E+00
2064	6.106E+01	4.889E+04	3.285E+00	1.631E+01	2.445E+04	1.643E+00
2065	5.867E+01	4.698E+04	3.156E+00	1.567E+01	2.349E+04	1.578E+00
2066	5.637E+01	4.514E+04	3.033E+00	1.506E+01	2.257E+04	1.516E+00
2067	5.416E+01	4.337E+04	2.914E+00	1.447E+01	2.168E+04	1.457E+00

Results (Continued)

Year	Total landfill gas			Methane		
	(Mg/year)	*(m^3/year)*	*(av ft^3/min)*	*(Mg/year)*	*(m^3/year)*	*(av ft^3/min)*
2068	5.203E+01	4.167E+04	2.799E+00	1.390E+01	2.083E+04	1.400E+00
2069	4.999E+01	4.003E+04	2.690E+00	1.335E+01	2.002E+04	1.345E+00
2070	4.803E+01	3.846E+04	2.584E+00	1.283E+01	1.923E+04	1.292E+00
2071	4.615E+01	3.695E+04	2.483E+00	1.233E+01	1.848E+04	1.241E+00
2072	4.434E+01	3.550E+04	2.386E+00	1.184E+01	1.775E+04	1.193E+00
2073	4.260E+01	3.411E+04	2.292E+00	1.138E+01	1.706E+04	1.146E+00
2074	4.093E+01	3.277E+04	2.202E+00	1.093E+01	1.639E+04	1.101E+00
2075	3.933E+01	3.149E+04	2.116E+00	1.050E+01	1.574E+04	1.058E+00
2076	3.778E+01	3.026E+04	2.033E+00	1.009E+01	1.513E+04	1.016E+00
2077	3.630E+01	2.907E+04	1.953E+00	9.697E+00	1.453E+04	9.766E-01
2078	3.488E+01	2.793E+04	1.877E+00	9.316E+00	1.396E+04	9.383E-01
2079	3.351E+01	2.683E+04	1.803E+00	8.951E+00	1.342E+04	9.015E-01
2080	3.220E+01	2.578E+04	1.732E+00	8.600E+00	1.289E+04	8.661E-01
2081	3.093E+01	2.477E+04	1.664E+00	8.263E+00	1.239E+04	8.322E-01
2082	2.972E+01	2.380E+04	1.599E+00	7.939E+00	1.190E+04	7.995E-01
2083	2.856E+01	2.287E+04	1.536E+00	7.628E+00	1.143E+04	7.682E-01
2084	2.744E+01	2.197E+04	1.476E+00	7.329E+00	1.098E+04	7.381E-01
2085	2.636E+01	2.111E+04	1.418E+00	7.041E+00	1.055E+04	7.091E-01
2086	2.533E+01	2.028E+04	1.363E+00	6.765E+00	1.014E+04	6.813E-01
2087	2.433E+01	1.949E+04	1.309E+00	6.500E+00	9.743E+03	6.546E-01
2088	2.338E+01	1.872E+04	1.258E+00	6.245E+00	9.361E+03	6.289E-01
2089	2.246E+01	1.799E+04	1.209E+00	6.000E+00	8.994E+03	6.043E-01
2090	2.158E+01	1.728E+04	1.161E+00	5.765E+00	8.641E+03	5.806E-01
2091	2.074E+01	1.660E+04	1.116E+00	5.539E+00	8.302E+03	5.578E-01
2092	1.992E+01	1.595E+04	1.072E+00	5.322E+00	7.977E+03	5.359E-01
2093	1.914E+01	1.533E+04	1.030E+00	5.113E+00	7.664E+03	5.149E-01
2094	1.839E+01	1.473E+04	9.895E-01	4.912E+00	7.363E+03	4.947E-01
2095	1.767E+01	1.415E+04	9.507E-01	4.720E+00	7.075E+03	4.753E-01
2096	1.698E+01	1.359E+04	9.134E-01	4.535E+00	6.797E+03	4.567E-01
2097	1.631E+01	1.306E+04	8.776E-01	4.357E+00	6.531E+03	4.388E-01
2098	1.567E+01	1.255E+04	8.432E-01	4.186E+00	6.275E+03	4.216E-01
2099	1.506E+01	1.206E+04	8.101E-01	4.022E+00	6.029E+03	4.051E-01
2100	1.447E+01	1.158E+04	7.784E-01	3.864E+00	5.792E+03	3.892E-01
2101	1.390E+01	1.113E+04	7.478E-01	3.713E+00	5.565E+03	3.739E-01
2102	1.335E+01	1.069E+04	7.185E-01	3.567E+00	5.347E+03	3.593E-01
2103	1.283E+01	1.027E+04	6.903E-01	3.427E+00	5.137E+03	3.452E-01
2104	1.233E+01	9.872E+03	6.633E-01	3.293E+00	4.936E+03	3.316E-01
2105	1.184E+01	9.485E+03	6.373E-01	3.164E+00	4.742E+03	3.186E-01
2106	1.138E+01	9.113E+03	6.123E-01	3.040E+00	4.556E+03	3.061E-01
2107	1.093E+01	8.755E+03	5.883E-01	2.921E+00	4.378E+03	2.941E-01

Results (Continued)

Year	Carbon dioxide			NMOC		
	(Mg/year)	*(m^3/year)*	*(av ft^3/min)*	*(Mg/year)*	*(m^3/year)*	*(av ft^3/min)*
1967	0	0	0	0	0	0
1968	9.478E+01	5.178E+04	3.479E+00	1.670E+00	4.660E+02	3.131E-02
1969	1.858E+02	1.015E+05	6.822E+00	3.275E+00	9.137E+02	6.139E-02
1970	2.733E+02	1.493E+05	1.003E+01	4.817E+00	1.344E+03	9.030E-02
1971	3.574E+02	1.952E+05	1.312E+01	6.299E+00	1.757E+03	1.181E-01
1972	4.382E+02	2.394E+05	1.608E+01	7.722E+00	2.154E+03	1.448E-01
1973	5.158E+02	2.818E+05	1.893E+01	9.090E+00	2.536E+03	1.704E-01
1974	5.903E+02	3.225E+05	2.167E+01	1.040E+01	2.902E+03	1.950E-01
1975	6.620E+02	3.616E+05	2.430E+01	1.167E+01	3.255E+03	2.187E-01
1976	7.308E+02	3.992E+05	2.682E+01	1.288E+01	3.593E+03	2.414E-01
1977	7.969E+02	4.354E+05	2.925E+01	1.404E+01	3.918E+03	2.633E-01
1978	8.605E+02	4.701E+05	3.158E+01	1.516E+01	4.231E+03	2.843E-01
1979	9.215E+02	5.034E+05	3.382E+01	1.624E+01	4.531E+03	3.044E-01
1980	9.801E+02	5.355E+05	3.598E+01	1.727E+01	4.819E+03	3.238E-01
1981	1.036E+03	5.662E+05	3.805E+01	1.827E+01	5.096E+03	3.424E-01
1982	1.091E+03	5.958E+05	4.003E+01	1.922E+01	5.362E+03	3.603E-01
1983	1.143E+03	6.242E+05	4.194E+01	2.014E+01	5.618E+03	3.775E-01
1984	1.098E+03	5.998E+05	4.030E+01	1.935E+01	5.398E+03	3.627E-01
1985	1.055E+03	5.762E+05	3.872E+01	1.859E+01	5.186E+03	3.485E-01
1986	1.013E+03	5.536E+05	3.720E+01	1.786E+01	4.983E+03	3.348E-01
1987	9.737E+02	5.319E+05	3.574E+01	1.716E+01	4.787E+03	3.217E-01
1988	9.355E+02	5.111E+05	3.434E+01	1.649E+01	4.600E+03	3.091E-01
1989	8.988E+02	4.910E+05	3.299E+01	1.584E+01	4.419E+03	2.969E-01
1990	8.636E+02	4.718E+05	3.170E+01	1.522E+01	4.246E+03	2.853E-01
1991	8.297E+02	4.533E+05	3.046E+01	1.462E+01	4.080E+03	2.741E-01
1992	7.972E+02	4.355E+05	2.926E+01	1.405E+01	3.920E+03	2.634E-01
1993	7.659E+02	4.184E+05	2.811E+01	1.350E+01	3.766E+03	2.530E-01
1994	7.359E+02	4.020E+05	2.701E+01	1.297E+01	3.618E+03	2.431E-01
1995	7.071E+02	3.863E+05	2.595E+01	1.246E+01	3.476E+03	2.336E-01
1996	6.793E+02	3.711E+05	2.494E+01	1.197E+01	3.340E+03	2.244E-01
1997	6.527E+02	3.566E+05	2.396E+01	1.150E+01	3.209E+03	2.156E-01
1998	6.271E+02	3.426E+05	2.302E+01	1.105E+01	3.083E+03	2.072E-01
1999	6.025E+02	3.292E+05	2.212E+01	1.062E+01	2.962E+03	1.990E-01
2000	5.789E+02	3.162E+05	2.125E+01	1.020E+01	2.846E+03	1.912E-01
2001	5.562E+02	3.038E+05	2.042E+01	9.802E+00	2.735E+03	1.837E-01
2002	5.344E+02	2.919E+05	1.961E+01	9.418E+00	2.627E+03	1.765E-01
2003	5.134E+02	2.805E+05	1.885E+01	9.048E+00	2.524E+03	1.696E-01
2004	4.933E+02	2.695E+05	1.811E+01	8.694E+00	2.425E+03	1.630E-01
2005	4.740E+02	2.589E+05	1.740E+01	8.353E+00	2.330E+03	1.566E-01
2006	4.554E+02	2.488E+05	1.671E+01	8.025E+00	2.239E+03	1.504E-01
2007	4.375E+02	2.390E+05	1.606E+01	7.711E+00	2.151E+03	1.445E-01
2008	4.204E+02	2.296E+05	1.543E+01	7.408E+00	2.067E+03	1.389E-01
2009	4.039E+02	2.206E+05	1.482E+01	7.118E+00	1.986E+03	1.334E-01
2010	3.880E+02	2.120E+05	1.424E+01	6.839E+00	1.908E+03	1.282E-01
2011	3.728E+02	2.037E+05	1.368E+01	6.571E+00	1.833E+03	1.232E-01
2012	3.582E+02	1.957E+05	1.315E+01	6.313E+00	1.761E+03	1.183E-01
2013	3.442E+02	1.880E+05	1.263E+01	6.065E+00	1.692E+03	1.137E-01
2014	3.307E+02	1.806E+05	1.214E+01	5.828E+00	1.626E+03	1.092E-01
2015	3.177E+02	1.736E+05	1.166E+01	5.599E+00	1.562E+03	1.050E-01
2016	3.052E+02	1.668E+05	1.120E+01	5.379E+00	1.501E+03	1.008E-01

Results (Continued)

Year	Carbon dioxide			NMOC		
	(Mg/year)	*(m^3/year)*	*(av ft^3/min)*	*(Mg/year)*	*(m^3/year)*	*(av ft^3/min)*
2017	2.933E+02	1.602E+05	1.076E+01	5.169E+00	1.442E+03	9.688E-02
2018	2.818E+02	1.539E+05	1.034E+01	4.966E+00	1.385E+03	9.308E-02
2019	2.707E+02	1.479E+05	9.937E+00	4.771E+00	1.331E+03	8.943E-02
2020	2.601E+02	1.421E+05	9.548E+00	4.584E+00	1.279E+03	8.593E-02
2021	2.499E+02	1.365E+05	9.173E+00	4.404E+00	1.229E+03	8.256E-02
2022	2.401E+02	1.312E+05	8.813E+00	4.232E+00	1.181E+03	7.932E-02
2023	2.307E+02	1.260E+05	8.468E+00	4.066E+00	1.134E+03	7.621E-02
2024	2.217E+02	1.211E+05	8.136E+00	3.906E+00	1.090E+03	7.322E-02
2025	2.130E+02	1.163E+05	7.817E+00	3.753E+00	1.047E+03	7.035E-02
2026	2.046E+02	1.118E+05	7.510E+00	3.606E+00	1.006E+03	6.759E-02
2027	1.966E+02	1.074E+05	7.216E+00	3.465E+00	9.666E+02	6.494E-02
2028	1.889E+02	1.032E+05	6.933E+00	3.329E+00	9.287E+02	6.240E-02
2029	1.815E+02	9.914E+04	6.661E+00	3.198E+00	8.922E+02	5.995E-02
2030	1.744E+02	9.525E+04	6.400E+00	3.073E+00	8.573E+02	5.760E-02
2031	1.675E+02	9.152E+04	6.149E+00	2.952E+00	8.236E+02	5.534E-02
2032	1.610E+02	8.793E+04	5.908E+00	2.837E+00	7.914E+02	5.317E-02
2033	1.546E+02	8.448E+04	5.676E+00	2.725E+00	7.603E+02	5.109E-02
2034	1.486E+02	8.117E+04	5.454E+00	2.618E+00	7.305E+02	4.908E-02
2035	1.428E+02	7.798E+04	5.240E+00	2.516E+00	7.019E+02	4.716E-02
2036	1.372E+02	7.493E+04	5.034E+00	2.417E+00	6.743E+02	4.531E-02
2037	1.318E+02	7.199E+04	4.837E+00	2.322E+00	6.479E+02	4.353E-02
2038	1.266E+02	6.917E+04	4.647E+00	2.231E+00	6.225E+02	4.183E-02
2039	1.216E+02	6.645E+04	4.465E+00	2.144E+00	5.981E+02	4.019E-02
2040	1.169E+02	6.385E+04	4.290E+00	2.060E+00	5.746E+02	3.861E-02
2041	1.123E+02	6.135E+04	4.122E+00	1.979E+00	5.521E+02	3.710E-02
2042	1.079E+02	5.894E+04	3.960E+00	1.901E+00	5.305E+02	3.564E-02
2043	1.037E+02	5.663E+04	3.805E+00	1.827E+00	5.097E+02	3.424E-02
2044	9.959E+01	5.441E+04	3.656E+00	1.755E+00	4.897E+02	3.290E-02
2045	9.569E+01	5.227E+04	3.512E+00	1.686E+00	4.705E+02	3.161E-02
2046	9.194E+01	5.023E+04	3.375E+00	1.620E+00	4.520E+02	3.037E-02
2047	8.833E+01	4.826E+04	3.242E+00	1.557E+00	4.343E+02	2.918E-02
2048	8.487E+01	4.636E+04	3.115E+00	1.496E+00	4.173E+02	2.804E-02
2049	8.154E+01	4.455E+04	2.993E+00	1.437E+00	4.009E+02	2.694E-02
2050	7.834E+01	4.280E+04	2.876E+00	1.381E+00	3.852E+02	2.588E-02
2051	7.527E+01	4.112E+04	2.763E+00	1.327E+00	3.701E+02	2.487E-02
2052	7.232E+01	3.951E+04	2.655E+00	1.275E+00	3.556E+02	2.389E-02
2053	6.948E+01	3.796E+04	2.550E+00	1.225E+00	3.416E+02	2.295E-02
2054	6.676E+01	3.647E+04	2.450E+00	1.177E+00	3.282E+02	2.205E-02
2055	6.414E+01	3.504E+04	2.354E+00	1.130E+00	3.154E+02	2.119E-02
2056	6.163E+01	3.367E+04	2.262E+00	1.086E+00	3.030E+02	2.036E-02
2057	5.921E+01	3.235E+04	2.173E+00	1.044E+00	2.911E+02	1.956E-02
2058	5.689E+01	3.108E+04	2.088E+00	1.003E+00	2.797E+02	1.879E-02
2059	5.466E+01	2.986E+04	2.006E+00	9.633E-01	2.687E+02	1.806E-02
2060	5.252E+01	2.869E+04	1.928E+00	9.255E-01	2.582E+02	1.735E-02
2061	5.046E+01	2.756E+04	1.852E+00	8.892E-01	2.481E+02	1.667E-02
2062	4.848E+01	2.648E+04	1.779E+00	8.544E-01	2.384E+02	1.601E-02
2063	4.658E+01	2.544E+04	1.710E+00	8.209E-01	2.290E+02	1.539E-02
2064	4.475E+01	2.445E+04	1.643E+00	7.887E-01	2.200E+02	1.478E-02
2065	4.300E+01	2.349E+04	1.578E+00	7.577E-01	2.114E+02	1.420E-02
2066	4.131E+01	2.257E+04	1.516E+00	7.280E-01	2.031E+02	1.365E-02
2067	3.969E+01	2.168E+04	1.457E+00	6.995E-01	1.951E+02	1.311E-02

Results (Continued)

Year	Carbon dioxide			NMOC		
	(Mg/year)	*(m^3/year)*	*(av ft^3/min)*	*(Mg/year)*	*(m^3/year)*	*(av ft^3/min)*
2068	3.813E+01	2.083E+04	1.400E+00	6.721E-01	1.875E+02	1.260E-02
2069	3.664E+01	2.002E+04	1.345E+00	6.457E-01	1.801E+02	1.210E-02
2070	3.520E+01	1.923E+04	1.292E+00	6.204E-01	1.731E+02	1.163E-02
2071	3.382E+01	1.848E+04	1.241E+00	5.961E-01	1.663E+02	1.117E-02
2072	3.250E+01	1.775E+04	1.193E+00	5.727E-01	1.598E+02	1.073E-02
2073	3.122E+01	1.706E+04	1.146E+00	5.502E-01	1.535E+02	1.031E-02
2074	3.000E+01	1.639E+04	1.101E+00	5.287E-01	1.475E+02	9.910E-03
2075	2.882E+01	1.574E+04	1.058E+00	5.079E-01	1.417E+02	9.521E-03
2076	2.769E+01	1.513E+04	1.016E+00	4.880E-01	1.361E+02	9.148E-03
2077	2.661E+01	1.453E+04	9.766E-01	4.689E-01	1.308E+02	8.789E-03
2078	2.556E+01	1.396E+04	9.383E-01	4.505E-01	1.257E+02	8.444E-03
2079	2.456E+01	1.342E+04	9.015E-01	4.328E-01	1.208E+02	8.113E-03
2080	2.360E+01	1.289E+04	8.661E-01	4.159E-01	1.160E+02	7.795E-03
2081	2.267E+01	1.239E+04	8.322E-01	3.996E-01	1.115E+02	7.490E-03
2082	2.178E+01	1.190E+04	7.995E-01	3.839E-01	1.071E+02	7.196E-03
2083	2.093E+01	1.143E+04	7.682E-01	3.688E-01	1.029E+02	6.914E-03
2084	2.011E+01	1.098E+04	7.381E-01	3.544E-01	9.886E+01	6.643E-03
2085	1.932E+01	1.055E+04	7.091E-01	3.405E-01	9.499E+01	6.382E-03
2086	1.856E+01	1.014E+04	6.813E-01	3.271E-01	9.126E+01	6.132E-03
2087	1.783E+01	9.743E+03	6.546E-01	3.143E-01	8.768E+01	5.891E-03
2088	1.713E+01	9.361E+03	6.289E-01	3.020E-01	8.425E+01	5.660E-03
2089	1.646E+01	8.994E+03	6.043E-01	2.901E-01	8.094E+01	5.439E-03
2090	1.582E+01	8.641E+03	5.806E-01	2.788E-01	7.777E+01	5.225E-03
2091	1.520E+01	8.302E+03	5.578E-01	2.678E-01	7.472E+01	5.020E-03
2092	1.460E+01	7.977E+03	5.359E-01	2.573E-01	7.179E+01	4.824E-03
2093	1.403E+01	7.664E+03	5.149E-01	2.472E-01	6.897E+01	4.634E-03
2094	1.348E+01	7.363E+03	4.947E-01	2.375E-01	6.627E+01	4.453E-03
2095	1.295E+01	7.075E+03	4.753E-01	2.282E-01	6.367E+01	4.278E-03
2096	1.244E+01	6.797E+03	4.567E-01	2.193E-01	6.118E+01	4.110E-03
2097	1.195E+01	6.531E+03	4.388E-01	2.107E-01	5.878E+01	3.949E-03
2098	1.149E+01	6.275E+03	4.216E-01	2.024E-01	5.647E+01	3.794E-03
2099	1.104E+01	6.029E+03	4.051E-01	1.945E-01	5.426E+01	3.646E-03
2100	1.060E+01	5.792E+03	3.892E-01	1.869E-01	5.213E+01	3.503E-03
2101	1.019E+01	5.565E+03	3.739E-01	1.795E-01	5.009E+01	3.365E-03
2102	9.787E+00	5.347E+03	3.593E-01	1.725E-01	4.812E+01	3.233E-03
2103	9.404E+00	5.137E+03	3.452E-01	1.657E-01	4.624E+01	3.107E-03
2104	9.035E+00	4.936E+03	3.316E-01	1.592E-01	4.442E+01	2.985E-03
2105	8.681E+00	4.742E+03	3.186E-01	1.530E-01	4.268E+01	2.868E-03
2106	8.340E+00	4.556E+03	3.061E-01	1.470E-01	4.101E+01	2.755E-03
2107	8.013E+00	4.378E+03	2.941E-01	1.412E-01	3.940E+01	2.647E-03

APPENDIX E
LABORATORY ANALYTICAL REPORTS

ANALYTICAL REPORT

Lab Number:	L1206657
Client:	Louis A. Berger & Associates 295 Promenade Street Providence, RI 02908
ATTN:	Chris Feeney
Phone:	(401) 521-5980
Project Name:	ROSE HILL LANDFILL
Project Number:	CJI-1747
Report Date:	04/27/12

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206657
Report Date: 04/27/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1206657-01	MW-11S	SOUTH KINGSTOWN, RI	04/17/12 08:35
L1206657-02	MW-11BR	SOUTH KINGSTOWN, RI	04/17/12 10:24
L1206657-03	MW-11DO	SOUTH KINGSTOWN, RI	04/17/12 09:27
L1206657-04	MW-6DO	SOUTH KINGSTOWN, RI	04/17/12 11:01
L1206657-05	DUPLICATE (MW-6DO)	SOUTH KINGSTOWN, RI	04/17/12 11:01
L1206657-06	MW-5S	SOUTH KINGSTOWN, RI	04/17/12 11:59
L1206657-07	FIELD BLANK	SOUTH KINGSTOWN, RI	04/17/12 12:00
L1206657-08	TRIP BLANK	SOUTH KINGSTOWN, RI	04/17/12 00:00
L1206657-09	MW-13S	SOUTH KINGSTOWN, RI	04/17/12 14:55
L1206657-10	MW-07BR	SOUTH KINGSTOWN, RI	04/17/12 13:38
L1206657-11	MW-07DO	SOUTH KINGSTOWN, RI	04/17/12 13:20
L1206657-12	RES#11	SOUTH KINGSTOWN, RI	04/17/12 13:55
L1206657-13	DUPLICATE (RES#11)	SOUTH KINGSTOWN, RI	04/17/12 13:55
L1206657-14	SW-12	SOUTH KINGSTOWN, RI	04/17/12 10:30
L1206657-15	SW-13	SOUTH KINGSTOWN, RI	04/17/12 12:38

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657
Project Number: CJI-1747 **Report Date:** 04/27/12

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657
Project Number: CJI-1747 **Report Date:** 04/27/12

Case Narrative (continued)

Volatile Organics

L1206657-01: The initial calibration for Benzene utilized a linear curve fit; however, in order to quantitate the detection for Benzene the calibration was changed to "averaged" with a response factor of 15.3% RSD.
L1206657-08: The Trip Blank has a result for Methylene chloride present above the reporting limit. The sample vial was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.
The WG530928-4 MS recoveries, performed on L1206657-01, were below the acceptance criteria for Naphthalene (61%) and 1,2,3-Trichlorobenzene (67%).

Semivolatile Organics

L1206657-01 through -07, -10 through -13 and the associated Method Blank were evaluated for the presence of N,N-Dimethylformamide as a TIC and were determined to be non-detect.
The WG530664-2 LCS recoveries, associated with L1206657-06, -07 and -10 through -13, are above the individual acceptance criteria for 2,4-Dinitrotoluene (98%) and P-Chloro-M-Cresol (100%). The results of the associated samples are reported.

Semivolatile Organics - SIM

The WG530167-6/-7 MS/MSD recoveries, performed on L1206657-01, were above the acceptance criteria for Pentachlorophenol (140%/130%); however, the associated LCS/LCSD recoveries were within criteria.
The surrogate recoveries for the WG530167-6/-7 MS/MSD are outside the individual acceptance criteria for 2,4,6-Tribromophenol (169%/159%), but within the overall method allowances. The results of the original analysis are reported.

Metals

L1206657-15: The Dissolved results are greater than the Total results. The sample containers were verified as being labeled correctly by the laboratory, and the reported results were confirmed by the ICP results.
The WG530942-3/-4 MS/MSD recoveries for Total Iron (320%/470%), performed on L1206657-01, do not apply because the sample concentration is greater than four times the spike amount added.

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657
Project Number: CJI-1747 **Report Date:** 04/27/12

Case Narrative (continued)

The WG531180-4 MSD recoveries, performed on L1206657-15, were below the acceptance criteria for Dissolved Aluminum (76%) and Dissolved Manganese (67%); however, the associated LCS/LCSD recoveries were within criteria.
The WG531180-3/-4 MS/MSD RPD, performed on L1206657-15, is above the acceptance criteria for Dissolved Manganese (22%).

Nitrogen, Ammonia
The WG530518-3 Laboratory Duplicate RPD (22%), performed on L1206657-15, is above the acceptance criteria; however, the sample and duplicate results are less than five times the reporting limit. Therefore, the RPD is valid.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 04/27/12

ORGANICS

VOLATILES

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-01	Date Collected:	04/17/12 08:35
Client ID:	MW-11S	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	04/20/12 11:55		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	2.2		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	0.92		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	0.91		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	4.0		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID: L1206657-01 Date Collected: 04/17/12 08:35

Client ID: MW-11S Date Received: 04/17/12

Sample Location: SOUTH KINGSTOWN, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	2.5		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-01	Date Collected:	04/17/12 08:35
Client ID:	MW-11S	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	95		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-02	Date Collected:	04/17/12 10:24
Client ID:	MW-11BR	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	04/19/12 20:01		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID: L1206657-02 Date Collected: 04/17/12 10:24

Client ID: MW-11BR Date Received: 04/17/12

Sample Location: SOUTH KINGSTOWN, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-02	Date Collected:	04/17/12 10:24
Client ID:	MW-11BR	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	95		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-03	Date Collected:	04/17/12 09:27
Client ID:	MW-11DO	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	04/20/12 12:31		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID: L1206657-03 Date Collected: 04/17/12 09:27

Client ID: MW-11DO Date Received: 04/17/12

Sample Location: SOUTH KINGSTOWN, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-03	Date Collected:	04/17/12 09:27
Client ID:	MW-11DO	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	96		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-04	Date Collected:	04/17/12 11:01
Client ID:	MW-6DO	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	04/20/12 13:07		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID: L1206657-04 Date Collected: 04/17/12 11:01

Client ID: MW-6DO Date Received: 04/17/12

Sample Location: SOUTH KINGSTOWN, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-04	Date Collected:	04/17/12 11:01
Client ID:	MW-6DO	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	96		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-05	Date Collected:	04/17/12 11:01
Client ID:	DUPLICATE (MW-6DO)	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	04/20/12 13:43		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	0.76		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID: L1206657-05 Date Collected: 04/17/12 11:01

Client ID: DUPLICATE (MW-6DO) Date Received: 04/17/12

Sample Location: SOUTH KINGSTOWN, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-05	Date Collected:	04/17/12 11:01
Client ID:	DUPLICATE (MW-6DO)	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	96		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-06	Date Collected:	04/17/12 11:59
Client ID:	MW-5S	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	04/20/12 14:18		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID: L1206657-06 Date Collected: 04/17/12 11:59

Client ID: MW-5S Date Received: 04/17/12

Sample Location: SOUTH KINGSTOWN, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-06	Date Collected:	04/17/12 11:59
Client ID:	MW-5S	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	96		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-07	Date Collected:	04/17/12 12:00
Client ID:	FIELD BLANK	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	04/20/12 14:54		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID: L1206657-07 Date Collected: 04/17/12 12:00

Client ID: FIELD BLANK Date Received: 04/17/12

Sample Location: SOUTH KINGSTOWN, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-07	Date Collected:	04/17/12 12:00
Client ID:	FIELD BLANK	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	95		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-08	Date Collected:	04/17/12 00:00
Client ID:	TRIP BLANK	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	04/20/12 15:29		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	6.2		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID: L1206657-08 Date Collected: 04/17/12 00:00

Client ID: TRIP BLANK Date Received: 04/17/12

Sample Location: SOUTH KINGSTOWN, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-08	Date Collected:	04/17/12 00:00
Client ID:	TRIP BLANK	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	94		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-10	Date Collected:	04/17/12 13:38
Client ID:	MW-07BR	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	04/20/12 16:05		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	2.3		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID: L1206657-10 Date Collected: 04/17/12 13:38

Client ID: MW-07BR Date Received: 04/17/12

Sample Location: SOUTH KINGSTOWN, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	1.1		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	8.1		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-10	Date Collected:	04/17/12 13:38
Client ID:	MW-07BR	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	97		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-11	Date Collected:	04/17/12 13:20
Client ID:	MW-07DO	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	04/20/12 16:40		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	1.0		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	26		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	2.2		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID: L1206657-11 Date Collected: 04/17/12 13:20

Client ID: MW-07DO Date Received: 04/17/12

Sample Location: SOUTH KINGSTOWN, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	33		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-11	Date Collected:	04/17/12 13:20
Client ID:	MW-07DO	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	95		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-12	Date Collected:	04/17/12 13:55
Client ID:	RES#11	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	04/20/12 17:16		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID: L1206657-12 Date Collected: 04/17/12 13:55

Client ID: RES#11 Date Received: 04/17/12

Sample Location: SOUTH KINGSTOWN, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-12	Date Collected:	04/17/12 13:55
Client ID:	RES#11	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	96		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-13	Date Collected:	04/17/12 13:55
Client ID:	DUPLICATE (RES#11)	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	04/20/12 17:51		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID: L1206657-13 Date Collected: 04/17/12 13:55

Client ID: DUPLICATE (RES#11) Date Received: 04/17/12

Sample Location: SOUTH KINGSTOWN, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-13	Date Collected:	04/17/12 13:55
Client ID:	DUPLICATE (RES#11)	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	95		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 04/19/12 09:57
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG530496-3					
Methylene chloride	ND		ug/l	3.0	--
1,1-Dichloroethane	ND		ug/l	0.75	--
Chloroform	ND		ug/l	0.75	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.8	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	0.75	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	0.50	--
Trichlorofluoromethane	ND		ug/l	2.5	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.5	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	0.75	--
Ethylbenzene	ND		ug/l	0.50	--
Chloromethane	ND		ug/l	2.5	--
Bromomethane	ND		ug/l	1.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	1.0	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	0.75	--
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--
1,4-Dichlorobenzene	ND		ug/l	2.5	--

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 04/19/12 09:57
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG530496-3					
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	5.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.5	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.5	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.50	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	2.5	--
n-Propylbenzene	ND		ug/l	0.50	--

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 04/19/12 09:57
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG530496-3					
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
Ethyl ether	ND		ug/l	2.5	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	94		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 04/20/12 10:09
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-08,10-13 Batch: WG530928-3					
Methylene chloride	ND		ug/l	3.0	--
1,1-Dichloroethane	ND		ug/l	0.75	--
Chloroform	ND		ug/l	0.75	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.8	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	0.75	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	0.50	--
Trichlorofluoromethane	ND		ug/l	2.5	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.5	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	0.75	--
Ethylbenzene	ND		ug/l	0.50	--
Chloromethane	ND		ug/l	2.5	--
Bromomethane	ND		ug/l	1.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	1.0	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	0.75	--
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 04/20/12 10:09
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-08,10-13 Batch: WG530928-3					
1,4-Dichlorobenzene	ND		ug/l	2.5	--
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	5.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.5	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.5	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.50	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 04/20/12 10:09
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-08,10-13 Batch: WG530928-3					
Naphthalene	ND		ug/l	2.5	--
n-Propylbenzene	ND		ug/l	0.50	--
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
Ethyl ether	ND		ug/l	2.5	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206657
Report Date: 04/27/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG530496-1 WG530496-2								
Methylene chloride	95		92		70-130	3		20
1,1-Dichloroethane	88		84		70-130	5		20
Chloroform	90		89		70-130	1		20
Carbon tetrachloride	99		97		63-132	2		20
1,2-Dichloropropane	90		88		70-130	2		20
Dibromochloromethane	93		95		63-130	2		20
1,1,2-Trichloroethane	93		94		70-130	1		20
Tetrachloroethene	93		90		70-130	3		20
Chlorobenzene	93		89		75-130	4		25
Trichlorofluoromethane	107		107		62-150	0		20
1,2-Dichloroethane	91		91		70-130	0		20
1,1,1-Trichloroethane	94		92		67-130	2		20
Bromodichloromethane	92		91		67-130	1		20
trans-1,3-Dichloropropene	95		95		70-130	0		20
cis-1,3-Dichloropropene	92		91		70-130	1		20
1,1-Dichloropropene	98		94		70-130	4		20
Bromoform	98		101		54-136	3		20
1,1,2,2-Tetrachloroethane	95		98		67-130	3		20
Benzene	86		83		70-130	4		25
Toluene	90		86		70-130	5		25
Ethylbenzene	94		91		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1206657
Report Date: 04/27/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG530496-1 WG530496-2								
Chloromethane	67		68		64-130	1		20
Bromomethane	70		79		39-139	12		20
Vinyl chloride	98		93		55-140	5		20
Chloroethane	86		78		55-138	10		20
1,1-Dichloroethene	95		89		61-145	7		25
trans-1,2-Dichloroethene	90		84		70-130	7		20
Trichloroethene	86		83		70-130	4		25
1,2-Dichlorobenzene	97		95		70-130	2		20
1,3-Dichlorobenzene	98		94		70-130	4		20
1,4-Dichlorobenzene	96		93		70-130	3		20
Methyl tert butyl ether	85		88		63-130	3		20
p/m-Xylene	96		92		70-130	4		20
o-Xylene	98		94		70-130	4		20
cis-1,2-Dichloroethene	90		88		70-130	2		20
Dibromomethane	93		95		70-130	2		20
1,2,3-Trichloropropane	91		96		64-130	5		20
Styrene	97		95		70-130	2		20
Dichlorodifluoromethane	95		91		36-147	4		20
Acetone	95		98		58-148	3		20
Carbon disulfide	94		85		51-130	10		20
2-Butanone	76		81		63-138	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1206657
Report Date: 04/27/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG530496-1 WG530496-2								
4-Methyl-2-pentanone	78		85		59-130	9		20
2-Hexanone	78		84		57-130	7		20
Bromochloromethane	105		106		70-130	1		20
Tetrahydrofuran	72		75		58-130	4		20
2,2-Dichloropropane	105		101		63-133	4		20
1,2-Dibromoethane	92		94		70-130	2		20
1,3-Dichloropropane	92		94		70-130	2		20
1,1,1,2-Tetrachloroethane	103		102		64-130	1		20
Bromobenzene	104		102		70-130	2		20
n-Butylbenzene	87		80		53-136	8		20
sec-Butylbenzene	106		98		70-130	8		20
tert-Butylbenzene	105		98		70-130	7		20
o-Chlorotoluene	103		99		70-130	4		20
p-Chlorotoluene	102		98		70-130	4		20
1,2-Dibromo-3-chloropropane	85		79		41-144	7		20
Hexachlorobutadiene	110		102		63-130	8		20
Isopropylbenzene	109		104		70-130	5		20
p-Isopropyltoluene	98		90		70-130	9		20
Naphthalene	**62**	Q	**65**	Q	70-130	5		20
n-Propylbenzene	105		100		69-130	5		20
1,2,3-Trichlorobenzene	72		**69**	Q	70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206657
Report Date: 04/27/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG530496-1 WG530496-2								
1,2,4-Trichlorobenzene	78		74		70-130	5		20
1,3,5-Trimethylbenzene	100		94		64-130	6		20
1,2,4-Trimethylbenzene	89		84		70-130	6		20
Ethyl ether	117		119		59-134	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		92		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	101		102		70-130
Dibromofluoromethane	98		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206657
Report Date: 04/27/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-08,10-13 Batch: WG530928-1 WG530928-2								
Methylene chloride	94		94		70-130	0		20
1,1-Dichloroethane	87		88		70-130	1		20
Chloroform	90		92		70-130	2		20
Carbon tetrachloride	95		98		63-132	3		20
1,2-Dichloropropane	90		91		70-130	1		20
Dibromochloromethane	94		93		63-130	1		20
1,1,2-Trichloroethane	93		90		70-130	3		20
Tetrachloroethene	92		94		70-130	2		20
Chlorobenzene	92		93		75-130	1		25
Trichlorofluoromethane	104		110		62-150	6		20
1,2-Dichloroethane	92		91		70-130	1		20
1,1,1-Trichloroethane	90		93		67-130	3		20
Bromodichloromethane	91		93		67-130	2		20
trans-1,3-Dichloropropene	95		94		70-130	1		20
cis-1,3-Dichloropropene	94		92		70-130	2		20
1,1-Dichloropropene	93		98		70-130	5		20
Bromoform	98		97		54-136	1		20
1,1,2,2-Tetrachloroethane	94		93		67-130	1		20
Benzene	86		88		70-130	2		25
Toluene	88		90		70-130	2		25
Ethylbenzene	93		95		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206657
Report Date: 04/27/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-08,10-13 Batch: WG530928-1 WG530928-2								
Chloromethane	78		**63**	Q	64-130	**21**	Q	20
Bromomethane	121		111		39-139	9		20
Vinyl chloride	107		107		55-140	0		20
Chloroethane	85		86		55-138	1		20
1,1-Dichloroethene	90		93		61-145	3		25
trans-1,2-Dichloroethene	88		92		70-130	4		20
Trichloroethene	85		87		70-130	2		25
1,2-Dichlorobenzene	97		97		70-130	0		20
1,3-Dichlorobenzene	97		100		70-130	3		20
1,4-Dichlorobenzene	96		97		70-130	1		20
Methyl tert butyl ether	86		81		63-130	6		20
p/m-Xylene	95		96		70-130	1		20
o-Xylene	97		97		70-130	0		20
cis-1,2-Dichloroethene	91		94		70-130	3		20
Dibromomethane	96		94		70-130	2		20
1,2,3-Trichloropropane	93		88		64-130	6		20
Styrene	97		97		70-130	0		20
Dichlorodifluoromethane	88		88		36-147	0		20
Acetone	93		83		58-148	11		20
Carbon disulfide	85		93		51-130	9		20
2-Butanone	76		68		63-138	11		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206657
Report Date: 04/27/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-08,10-13 Batch: WG530928-1 WG530928-2								
4-Methyl-2-pentanone	79		72		59-130	9		20
2-Hexanone	78		71		57-130	9		20
Bromochloromethane	108		108		70-130	0		20
Tetrahydrofuran	72		66		58-130	9		20
2,2-Dichloropropane	101		106		63-133	5		20
1,2-Dibromoethane	94		89		70-130	5		20
1,3-Dichloropropane	94		90		70-130	4		20
1,1,1,2-Tetrachloroethane	103		103		64-130	0		20
Bromobenzene	104		106		70-130	2		20
n-Butylbenzene	81		84		53-136	4		20
sec-Butylbenzene	98		105		70-130	7		20
tert-Butylbenzene	99		105		70-130	6		20
o-Chlorotoluene	102		106		70-130	4		20
p-Chlorotoluene	102		104		70-130	2		20
1,2-Dibromo-3-chloropropane	81		82		41-144	1		20
Hexachlorobutadiene	98		111		63-130	12		20
Isopropylbenzene	106		112		70-130	6		20
p-Isopropyltoluene	92		96		70-130	4		20
Naphthalene	**64**	Q	**52**	Q	70-130	**21**	Q	20
n-Propylbenzene	102		106		69-130	4		20
1,2,3-Trichlorobenzene	70		**59**	Q	70-130	17		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206657
Report Date: 04/27/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-08,10-13 Batch: WG530928-1 WG530928-2								
1,2,4-Trichlorobenzene	77		71		70-130	8		20
1,3,5-Trimethylbenzene	97		101		64-130	4		20
1,2,4-Trimethylbenzene	88		88		70-130	0		20
Ethyl ether	120		115		59-134	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		91		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	103		103		70-130
Dibromofluoromethane	98		97		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1206657
Report Date: 04/27/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-08,10-13 QC Batch ID: WG530928-4 WG530928-5 QC Sample: L1206657-01 Client ID: MW-11S												
Methylene chloride	ND	10	10	104		9.8	98		70-130	2		20
1,1-Dichloroethane	2.2	10	12	99		11	89		70-130	9		20
Chloroform	ND	10	10	102		9.5	95		70-130	5		20
Carbon tetrachloride	ND	10	11	112		10	104		63-132	10		20
1,2-Dichloropropane	ND	10	9.7	97		9.1	91		70-130	6		20
Dibromochloromethane	ND	10	10	100		9.4	94		63-130	6		20
1,1,2-Trichloroethane	ND	10	10	101		9.5	95		70-130	5		20
Tetrachloroethene	ND	10	10	102		9.3	93		70-130	7		20
Chlorobenzene	0.92	10	11	99		10	92		75-130	10		25
Trichlorofluoromethane	ND	10	13	128		11	111		62-150	17		20
1,2-Dichloroethane	ND	10	10	103		9.7	97		70-130	3		20
1,1,1-Trichloroethane	ND	10	10	104		9.7	97		67-130	3		20
Bromodichloromethane	ND	10	10	101		9.4	94		67-130	6		20
trans-1,3-Dichloropropene	ND	10	9.6	96		9.2	92		70-130	4		20
cis-1,3-Dichloropropene	ND	10	9.4	94		8.9	90		70-130	5		20
1,1-Dichloropropene	ND	10	11	108		10	100		70-130	10		20
Bromoform	ND	10	10	102		9.4	94		54-136	6		20
1,1,2,2-Tetrachloroethane	ND	10	10	105		10	100		67-130	0		20
Benzene	0.91	10	11	100		10	91		70-130	10		25
Toluene	ND	10	9.8	98		9.0	90		70-130	9		25
Ethylbenzene	ND	10	10	103		9.6	96		70-130	4		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1206657
Report Date: 04/27/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-08,10-13 QC Batch ID: WG530928-4 WG530928-5 QC Sample: L1206657-01 Client ID: MW-11S												
Chloromethane	ND	10	8.4	84		8.9	89		64-130	6		20
Bromomethane	ND	10	10	100		11	111		39-139	10		20
Vinyl chloride	ND	10	13	129		13	129		55-140	0		20
Chloroethane	4.0	10	14	96		14	95		55-138	0		20
1,1-Dichloroethene	ND	10	10	104		9.6	96		61-145	4		25
trans-1,2-Dichloroethene	ND	10	10	98		9.3	91		70-130	7		20
Trichloroethene	ND	10	9.5	95		8.7	87		70-130	9		25
1,2-Dichlorobenzene	ND	10	10	103		9.9	99		70-130	1		20
1,3-Dichlorobenzene	ND	10	10	102		9.8	98		70-130	2		20
1,4-Dichlorobenzene	ND	10	11	106		10	102		70-130	10		20
Methyl tert butyl ether	ND	10	8.9	89		8.5	85		63-130	5		20
p/m-Xylene	ND	20	21	104		19	98		70-130	10		20
o-Xylene	ND	20	21	103		20	99		70-130	5		20
cis-1,2-Dichloroethene	ND	10	9.9	98		9.5	94		70-130	4		20
Dibromomethane	ND	10	10	104		10	100		70-130	0		20
1,2,3-Trichloropropane	ND	10	10	101		9.6	96		64-130	4		20
Styrene	ND	20	20	102		20	98		70-130	0		20
Dichlorodifluoromethane	ND	10	9.6	96		8.9	90		36-147	8		20
Acetone	ND	10	8.1	81		8.5	85		58-148	5		20
Carbon disulfide	ND	10	9.9	99		9.2	92		51-130	7		20
2-Butanone	ND	10	7.6	76		7.8	78		63-138	3		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206657
Report Date: 04/27/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-08,10-13 QC Batch ID: WG530928-4 WG530928-5 QC Sample: L1206657-01 Client ID: MW-11S												
4-Methyl-2-pentanone	ND	10	8.0	80		7.4	74		59-130	8		20
2-Hexanone	ND	10	8.4	84		7.7	77		57-130	9		20
Bromochloromethane	ND	10	12	119		11	112		70-130	9		20
Tetrahydrofuran	ND	10	8.5	80		8.1	76		58-130	5		20
2,2-Dichloropropane	ND	10	8.7	87		7.9	79		63-133	10		20
1,2-Dibromoethane	ND	10	9.9	99		9.3	93		70-130	6		20
1,3-Dichloropropane	ND	10	10	101		9.7	97		70-130	3		20
1,1,1,2-Tetrachloroethane	ND	10	11	111		10	105		64-130	10		20
Bromobenzene	ND	10	11	111		10	103		70-130	10		20
n-Butylbenzene	ND	10	8.5	85		8.6	86		53-136	1		20
sec-Butylbenzene	ND	10	11	107		10	102		70-130	10		20
tert-Butylbenzene	ND	10	11	108		10	103		70-130	10		20
o-Chlorotoluene	ND	10	11	110		10	104		70-130	10		20
p-Chlorotoluene	ND	10	10	106		10	102		70-130	0		20
1,2-Dibromo-3-chloropropane	ND	10	8.2	82		8.8	88		41-144	7		20
Hexachlorobutadiene	ND	10	10	105		10	102		63-130	0		20
Isopropylbenzene	ND	10	12	118		11	109		70-130	9		20
p-Isopropyltoluene	ND	10	9.8	98		9.7	97		70-130	1		20
Naphthalene	ND	10	6.1	**61**	Q	7.1	71		70-130	15		20
n-Propylbenzene	ND	10	11	110		10	103		69-130	10		20
1,2,3-Trichlorobenzene	ND	10	6.7	**67**	Q	8.0	80		70-130	18		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1206657
Report Date: 04/27/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-08,10-13 QC Batch ID: WG530928-4 WG530928-5 QC Sample: L1206657-01 Client ID: MW-11S												
1,2,4-Trichlorobenzene	ND	10	7.3	73		8.1	81		70-130	10		20
1,3,5-Trimethylbenzene	ND	10	10	103		10	101		64-130	0		20
1,2,4-Trimethylbenzene	ND	10	9.1	91		9.4	94		70-130	3		20
Ethyl ether	2.5	10	16	131		15	125		59-134	6		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		96		70-130
4-Bromofluorobenzene	102		99		70-130
Dibromofluoromethane	100		100		70-130
Toluene-d8	97		98		70-130

SEMIVOLATILES

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-01	Date Collected:	04/17/12 08:35
Client ID:	MW-11S	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/19/12 13:58
Analytical Date:	04/23/12 23:38		
Analyst:	HL		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	4.0		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Chrysene	ND		ug/l	2.0	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-01	Date Collected:	04/17/12 08:35
Client ID:	MW-11S	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	45		23-120
2-Fluorobiphenyl	49		15-120
2,4,6-Tribromophenol	98		10-120
4-Terphenyl-d14	86		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-01	Date Collected:	04/17/12 08:35
Client ID:	MW-11S	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/19/12 13:58
Analytical Date:	04/24/12 11:07		
Analyst:	JC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	54		15-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	82		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-02	Date Collected:	04/17/12 10:24
Client ID:	MW-11BR	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/19/12 13:58
Analytical Date:	04/24/12 00:02		
Analyst:	HL		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	1.9	--	1
Benzidine	ND		ug/l	19	--	1
1,2,4-Trichlorobenzene	ND		ug/l	4.8	--	1
Bis(2-chloroethyl)ether	ND		ug/l	1.9	--	1
2-Chloronaphthalene	ND		ug/l	1.9	--	1
1,2-Dichlorobenzene	ND		ug/l	1.9	--	1
1,3-Dichlorobenzene	ND		ug/l	1.9	--	1
1,4-Dichlorobenzene	ND		ug/l	1.9	--	1
3,3'-Dichlorobenzidine	ND		ug/l	4.8	--	1
2,4-Dinitrotoluene	ND		ug/l	4.8	--	1
2,6-Dinitrotoluene	ND		ug/l	4.8	--	1
Azobenzene	ND		ug/l	1.9	--	1
Fluoranthene	ND		ug/l	1.9	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	1.9	--	1
4-Bromophenyl phenyl ether	ND		ug/l	1.9	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	1.9	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	4.8	--	1
Hexachlorocyclopentadiene	ND		ug/l	19	--	1
Hexachloroethane	ND		ug/l	1.9	--	1
Isophorone	ND		ug/l	4.8	--	1
Naphthalene	ND		ug/l	1.9	--	1
Nitrobenzene	ND		ug/l	1.9	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	1.9	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	4.8	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	2.9	--	1
Butyl benzyl phthalate	ND		ug/l	4.8	--	1
Di-n-butylphthalate	ND		ug/l	4.8	--	1
Di-n-octylphthalate	ND		ug/l	4.8	--	1
Diethyl phthalate	ND		ug/l	4.8	--	1
Dimethyl phthalate	ND		ug/l	4.8	--	1
Chrysene	ND		ug/l	1.9	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID: L1206657-02 Date Collected: 04/17/12 10:24

Client ID: MW-11BR Date Received: 04/17/12

Sample Location: SOUTH KINGSTOWN, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	1.9	--	1
Anthracene	ND		ug/l	1.9	--	1
Benzo(ghi)perylene	ND		ug/l	1.9	--	1
Fluorene	ND		ug/l	1.9	--	1
Phenanthrene	ND		ug/l	1.9	--	1
Dibenzo(a,h)anthracene	ND		ug/l	1.9	--	1
Pyrene	ND		ug/l	1.9	--	1
Aniline	ND		ug/l	1.9	--	1
4-Chloroaniline	ND		ug/l	4.8	--	1
2-Nitroaniline	ND		ug/l	4.8	--	1
3-Nitroaniline	ND		ug/l	4.8	--	1
4-Nitroaniline	ND		ug/l	4.8	--	1
Dibenzofuran	ND		ug/l	1.9	--	1
2-Methylnaphthalene	ND		ug/l	1.9	--	1
n-Nitrosodimethylamine	ND		ug/l	1.9	--	1
2,4,6-Trichlorophenol	ND		ug/l	4.8	--	1
P-Chloro-M-Cresol	ND		ug/l	1.9	--	1
2-Chlorophenol	ND		ug/l	1.9	--	1
2,4-Dichlorophenol	ND		ug/l	4.8	--	1
2,4-Dimethylphenol	ND		ug/l	4.8	--	1
2-Nitrophenol	ND		ug/l	9.6	--	1
4-Nitrophenol	ND		ug/l	9.6	--	1
2,4-Dinitrophenol	ND		ug/l	19	--	1
4,6-Dinitro-o-cresol	ND		ug/l	9.6	--	1
Phenol	ND		ug/l	4.8	--	1
2-Methylphenol	ND		ug/l	4.8	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	4.8	--	1
2,4,5-Trichlorophenol	ND		ug/l	4.8	--	1
Benzyl Alcohol	ND		ug/l	1.9	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		21-120
Phenol-d6	22		10-120
Nitrobenzene-d5	42		23-120
2-Fluorobiphenyl	45		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	77		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-02	Date Collected:	04/17/12 10:24
Client ID:	MW-11BR	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/19/12 13:58
Analytical Date:	04/24/12 12:14		
Analyst:	JC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.48	--	1
Benzo(a)anthracene	ND		ug/l	0.19	--	1
Benzo(a)pyrene	ND		ug/l	0.19	--	1
Benzo(b)fluoranthene	ND		ug/l	0.19	--	1
Benzo(k)fluoranthene	ND		ug/l	0.19	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.19	--	1
Pentachlorophenol	ND		ug/l	0.77	--	1
Hexachlorobenzene	ND		ug/l	0.77	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		21-120
Phenol-d6	22		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	47		15-120
2,4,6-Tribromophenol	60		10-120
4-Terphenyl-d14	81		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-03	Date Collected:	04/17/12 09:27
Client ID:	MW-11DO	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/19/12 13:58
Analytical Date:	04/24/12 00:28		
Analyst:	HL		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	1.9	--	1
Benzidine	ND		ug/l	19	--	1
1,2,4-Trichlorobenzene	ND		ug/l	4.8	--	1
Bis(2-chloroethyl)ether	ND		ug/l	1.9	--	1
2-Chloronaphthalene	ND		ug/l	1.9	--	1
1,2-Dichlorobenzene	ND		ug/l	1.9	--	1
1,3-Dichlorobenzene	ND		ug/l	1.9	--	1
1,4-Dichlorobenzene	ND		ug/l	1.9	--	1
3,3'-Dichlorobenzidine	ND		ug/l	4.8	--	1
2,4-Dinitrotoluene	ND		ug/l	4.8	--	1
2,6-Dinitrotoluene	ND		ug/l	4.8	--	1
Azobenzene	ND		ug/l	1.9	--	1
Fluoranthene	ND		ug/l	1.9	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	1.9	--	1
4-Bromophenyl phenyl ether	ND		ug/l	1.9	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	1.9	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	4.8	--	1
Hexachlorocyclopentadiene	ND		ug/l	19	--	1
Hexachloroethane	ND		ug/l	1.9	--	1
Isophorone	ND		ug/l	4.8	--	1
Naphthalene	ND		ug/l	1.9	--	1
Nitrobenzene	ND		ug/l	1.9	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	1.9	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	4.8	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	2.9	--	1
Butyl benzyl phthalate	ND		ug/l	4.8	--	1
Di-n-butylphthalate	ND		ug/l	4.8	--	1
Di-n-octylphthalate	ND		ug/l	4.8	--	1
Diethyl phthalate	ND		ug/l	4.8	--	1
Dimethyl phthalate	ND		ug/l	4.8	--	1
Chrysene	ND		ug/l	1.9	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID: L1206657-03 Date Collected: 04/17/12 09:27

Client ID: MW-11DO Date Received: 04/17/12

Sample Location: SOUTH KINGSTOWN, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	1.9	--	1
Anthracene	ND		ug/l	1.9	--	1
Benzo(ghi)perylene	ND		ug/l	1.9	--	1
Fluorene	ND		ug/l	1.9	--	1
Phenanthrene	ND		ug/l	1.9	--	1
Dibenzo(a,h)anthracene	ND		ug/l	1.9	--	1
Pyrene	ND		ug/l	1.9	--	1
Aniline	ND		ug/l	1.9	--	1
4-Chloroaniline	ND		ug/l	4.8	--	1
2-Nitroaniline	ND		ug/l	4.8	--	1
3-Nitroaniline	ND		ug/l	4.8	--	1
4-Nitroaniline	ND		ug/l	4.8	--	1
Dibenzofuran	ND		ug/l	1.9	--	1
2-Methylnaphthalene	ND		ug/l	1.9	--	1
n-Nitrosodimethylamine	ND		ug/l	1.9	--	1
2,4,6-Trichlorophenol	ND		ug/l	4.8	--	1
P-Chloro-M-Cresol	ND		ug/l	1.9	--	1
2-Chlorophenol	ND		ug/l	1.9	--	1
2,4-Dichlorophenol	ND		ug/l	4.8	--	1
2,4-Dimethylphenol	ND		ug/l	4.8	--	1
2-Nitrophenol	ND		ug/l	9.6	--	1
4-Nitrophenol	ND		ug/l	9.6	--	1
2,4-Dinitrophenol	ND		ug/l	19	--	1
4,6-Dinitro-o-cresol	ND		ug/l	9.6	--	1
Phenol	ND		ug/l	4.8	--	1
2-Methylphenol	ND		ug/l	4.8	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	4.8	--	1
2,4,5-Trichlorophenol	ND		ug/l	4.8	--	1
Benzyl Alcohol	ND		ug/l	1.9	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	51		23-120
2-Fluorobiphenyl	51		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	80		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-03	Date Collected:	04/17/12 09:27
Client ID:	MW-11DO	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/19/12 13:58
Analytical Date:	04/24/12 12:36		
Analyst:	JC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.48	--	1
Benzo(a)anthracene	ND		ug/l	0.19	--	1
Benzo(a)pyrene	ND		ug/l	0.19	--	1
Benzo(b)fluoranthene	ND		ug/l	0.19	--	1
Benzo(k)fluoranthene	ND		ug/l	0.19	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.19	--	1
Pentachlorophenol	ND		ug/l	0.77	--	1
Hexachlorobenzene	ND		ug/l	0.77	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	32		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	55		15-120
2,4,6-Tribromophenol	58		10-120
4-Terphenyl-d14	83		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-04	Date Collected:	04/17/12 11:01
Client ID:	MW-6DO	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/19/12 13:58
Analytical Date:	04/24/12 00:53		
Analyst:	HL		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Chrysene	ND		ug/l	2.0	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID: L1206657-04 Date Collected: 04/17/12 11:01

Client ID: MW-6DO Date Received: 04/17/12

Sample Location: SOUTH KINGSTOWN, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	51		23-120
2-Fluorobiphenyl	54		15-120
2,4,6-Tribromophenol	90		10-120
4-Terphenyl-d14	85		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-04	Date Collected:	04/17/12 11:01
Client ID:	MW-6DO	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/19/12 13:58
Analytical Date:	04/24/12 12:59		
Analyst:	JC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	52		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	88		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-05	Date Collected:	04/17/12 11:01
Client ID:	DUPLICATE (MW-6DO)	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/19/12 13:58
Analytical Date:	04/24/12 01:18		
Analyst:	HL		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	1.9	--	1
Benzidine	ND		ug/l	19	--	1
1,2,4-Trichlorobenzene	ND		ug/l	4.8	--	1
Bis(2-chloroethyl)ether	ND		ug/l	1.9	--	1
2-Chloronaphthalene	ND		ug/l	1.9	--	1
1,2-Dichlorobenzene	ND		ug/l	1.9	--	1
1,3-Dichlorobenzene	ND		ug/l	1.9	--	1
1,4-Dichlorobenzene	ND		ug/l	1.9	--	1
3,3'-Dichlorobenzidine	ND		ug/l	4.8	--	1
2,4-Dinitrotoluene	ND		ug/l	4.8	--	1
2,6-Dinitrotoluene	ND		ug/l	4.8	--	1
Azobenzene	ND		ug/l	1.9	--	1
Fluoranthene	ND		ug/l	1.9	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	1.9	--	1
4-Bromophenyl phenyl ether	ND		ug/l	1.9	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	1.9	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	4.8	--	1
Hexachlorocyclopentadiene	ND		ug/l	19	--	1
Hexachloroethane	ND		ug/l	1.9	--	1
Isophorone	ND		ug/l	4.8	--	1
Naphthalene	ND		ug/l	1.9	--	1
Nitrobenzene	ND		ug/l	1.9	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	1.9	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	4.8	--	1
Bis(2-Ethylhexyl)phthalate	22		ug/l	2.9	--	1
Butyl benzyl phthalate	ND		ug/l	4.8	--	1
Di-n-butylphthalate	ND		ug/l	4.8	--	1
Di-n-octylphthalate	ND		ug/l	4.8	--	1
Diethyl phthalate	ND		ug/l	4.8	--	1
Dimethyl phthalate	ND		ug/l	4.8	--	1
Chrysene	ND		ug/l	1.9	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID: L1206657-05 Date Collected: 04/17/12 11:01

Client ID: DUPLICATE (MW-6DO) Date Received: 04/17/12

Sample Location: SOUTH KINGSTOWN, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	1.9	--	1
Anthracene	ND		ug/l	1.9	--	1
Benzo(ghi)perylene	ND		ug/l	1.9	--	1
Fluorene	ND		ug/l	1.9	--	1
Phenanthrene	ND		ug/l	1.9	--	1
Dibenzo(a,h)anthracene	ND		ug/l	1.9	--	1
Pyrene	ND		ug/l	1.9	--	1
Aniline	ND		ug/l	1.9	--	1
4-Chloroaniline	ND		ug/l	4.8	--	1
2-Nitroaniline	ND		ug/l	4.8	--	1
3-Nitroaniline	ND		ug/l	4.8	--	1
4-Nitroaniline	ND		ug/l	4.8	--	1
Dibenzofuran	ND		ug/l	1.9	--	1
2-Methylnaphthalene	ND		ug/l	1.9	--	1
n-Nitrosodimethylamine	ND		ug/l	1.9	--	1
2,4,6-Trichlorophenol	ND		ug/l	4.8	--	1
P-Chloro-M-Cresol	ND		ug/l	1.9	--	1
2-Chlorophenol	ND		ug/l	1.9	--	1
2,4-Dichlorophenol	ND		ug/l	4.8	--	1
2,4-Dimethylphenol	ND		ug/l	4.8	--	1
2-Nitrophenol	ND		ug/l	9.6	--	1
4-Nitrophenol	ND		ug/l	9.6	--	1
2,4-Dinitrophenol	ND		ug/l	19	--	1
4,6-Dinitro-o-cresol	ND		ug/l	9.6	--	1
Phenol	ND		ug/l	4.8	--	1
2-Methylphenol	ND		ug/l	4.8	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	4.8	--	1
2,4,5-Trichlorophenol	ND		ug/l	4.8	--	1
Benzyl Alcohol	ND		ug/l	1.9	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	42		23-120
2-Fluorobiphenyl	45		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	79		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-05	Date Collected:	04/17/12 11:01
Client ID:	DUPLICATE (MW-6DO)	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/19/12 13:58
Analytical Date:	04/24/12 13:21		
Analyst:	JC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.48	--	1
Benzo(a)anthracene	ND		ug/l	0.19	--	1
Benzo(a)pyrene	ND		ug/l	0.19	--	1
Benzo(b)fluoranthene	ND		ug/l	0.19	--	1
Benzo(k)fluoranthene	ND		ug/l	0.19	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.19	--	1
Pentachlorophenol	ND		ug/l	0.77	--	1
Hexachlorobenzene	ND		ug/l	0.77	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		21-120
Phenol-d6	22		10-120
Nitrobenzene-d5	51		23-120
2-Fluorobiphenyl	49		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	87		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-06	Date Collected:	04/17/12 11:59
Client ID:	MW-5S	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/20/12 17:04
Analytical Date:	04/24/12 16:27		
Analyst:	RC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Chrysene	ND		ug/l	2.0	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID: L1206657-06 Date Collected: 04/17/12 11:59

Client ID: MW-5S Date Received: 04/17/12

Sample Location: SOUTH KINGSTOWN, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	107		10-120
4-Terphenyl-d14	96		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-06	Date Collected:	04/17/12 11:59
Client ID:	MW-5S	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/20/12 17:05
Analytical Date:	04/24/12 14:51		
Analyst:	JC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	61		15-120
2,4,6-Tribromophenol	85		10-120
4-Terphenyl-d14	107		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-07	Date Collected:	04/17/12 12:00
Client ID:	FIELD BLANK	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/20/12 17:04
Analytical Date:	04/24/12 16:52		
Analyst:	RC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Chrysene	ND		ug/l	2.0	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID: L1206657-07 Date Collected: 04/17/12 12:00

Client ID: FIELD BLANK Date Received: 04/17/12

Sample Location: SOUTH KINGSTOWN, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	90		10-120
4-Terphenyl-d14	86		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-07	Date Collected:	04/17/12 12:00
Client ID:	FIELD BLANK	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/20/12 17:05
Analytical Date:	04/24/12 15:13		
Analyst:	JC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	57		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	99		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-10	Date Collected:	04/17/12 13:38
Client ID:	MW-07BR	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/20/12 17:04
Analytical Date:	04/24/12 17:17		
Analyst:	RC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Chrysene	ND		ug/l	2.0	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-10	Date Collected:	04/17/12 13:38
Client ID:	MW-07BR	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	29		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	61		10-120
4-Terphenyl-d14	96		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-10	Date Collected:	04/17/12 13:38
Client ID:	MW-07BR	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/20/12 17:05
Analytical Date:	04/24/12 15:36		
Analyst:	JC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	62		10-120
4-Terphenyl-d14	103		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-11	Date Collected:	04/17/12 13:20
Client ID:	MW-07DO	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/20/12 17:04
Analytical Date:	04/24/12 17:42		
Analyst:	RC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Chrysene	ND		ug/l	2.0	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID: L1206657-11 Date Collected: 04/17/12 13:20

Client ID: MW-07DO Date Received: 04/17/12

Sample Location: SOUTH KINGSTOWN, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	95		10-120
4-Terphenyl-d14	90		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-11	Date Collected:	04/17/12 13:20
Client ID:	MW-07DO	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/20/12 17:05
Analytical Date:	04/24/12 15:58		
Analyst:	JC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	60		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	85		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-12	Date Collected:	04/17/12 13:55
Client ID:	RES#11	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/20/12 17:04
Analytical Date:	04/24/12 18:07		
Analyst:	RC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Chrysene	ND		ug/l	2.0	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID: L1206657-12 Date Collected: 04/17/12 13:55

Client ID: RES#11 Date Received: 04/17/12

Sample Location: SOUTH KINGSTOWN, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	88		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-12	Date Collected:	04/17/12 13:55
Client ID:	RES#11	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/20/12 17:05
Analytical Date:	04/24/12 16:20		
Analyst:	JC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	99		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-13	Date Collected:	04/17/12 13:55
Client ID:	DUPLICATE (RES#11)	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/20/12 17:04
Analytical Date:	04/24/12 18:32		
Analyst:	RC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Chrysene	ND		ug/l	2.0	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID: L1206657-13 Date Collected: 04/17/12 13:55

Client ID: DUPLICATE (RES#11) Date Received: 04/17/12

Sample Location: SOUTH KINGSTOWN, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	93		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-13	Date Collected:	04/17/12 13:55
Client ID:	DUPLICATE (RES#11)	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/20/12 17:05
Analytical Date:	04/24/12 16:43		
Analyst:	JC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	106		41-149

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206657
Report Date: 04/27/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 04/23/12 20:18
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 04/19/12 09:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG530165-1					
Acenaphthene	ND		ug/l	2.0	--
Benzidine	ND		ug/l	20	--
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--
2-Chloronaphthalene	ND		ug/l	2.0	--
1,2-Dichlorobenzene	ND		ug/l	2.0	--
1,3-Dichlorobenzene	ND		ug/l	2.0	--
1,4-Dichlorobenzene	ND		ug/l	2.0	--
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--
2,4-Dinitrotoluene	ND		ug/l	5.0	--
2,6-Dinitrotoluene	ND		ug/l	5.0	--
Azobenzene	ND		ug/l	2.0	--
Fluoranthene	ND		ug/l	2.0	--
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--
Hexachlorocyclopentadiene	ND		ug/l	20	--
Hexachloroethane	ND		ug/l	2.0	--
Isophorone	ND		ug/l	5.0	--
Naphthalene	ND		ug/l	2.0	--
Nitrobenzene	ND		ug/l	2.0	--
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--
Butyl benzyl phthalate	ND		ug/l	5.0	--
Di-n-butylphthalate	ND		ug/l	5.0	--
Di-n-octylphthalate	ND		ug/l	5.0	--
Diethyl phthalate	ND		ug/l	5.0	--
Dimethyl phthalate	ND		ug/l	5.0	--
Chrysene	ND		ug/l	2.0	--

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206657
Report Date: 04/27/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 04/23/12 20:18
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 04/19/12 09:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG530165-1					
Acenaphthylene	ND		ug/l	2.0	--
Anthracene	ND		ug/l	2.0	--
Benzo(ghi)perylene	ND		ug/l	2.0	--
Fluorene	ND		ug/l	2.0	--
Phenanthrene	ND		ug/l	2.0	--
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--
Pyrene	ND		ug/l	2.0	--
Aniline	ND		ug/l	2.0	--
4-Chloroaniline	ND		ug/l	5.0	--
2-Nitroaniline	ND		ug/l	5.0	--
3-Nitroaniline	ND		ug/l	5.0	--
4-Nitroaniline	ND		ug/l	5.0	--
Dibenzofuran	ND		ug/l	2.0	--
2-Methylnaphthalene	ND		ug/l	2.0	--
n-Nitrosodimethylamine	ND		ug/l	2.0	--
2,4,6-Trichlorophenol	ND		ug/l	5.0	--
P-Chloro-M-Cresol	ND		ug/l	2.0	--
2-Chlorophenol	ND		ug/l	2.0	--
2,4-Dichlorophenol	ND		ug/l	5.0	--
2,4-Dimethylphenol	ND		ug/l	5.0	--
2-Nitrophenol	ND		ug/l	10	--
4-Nitrophenol	ND		ug/l	10	--
2,4-Dinitrophenol	ND		ug/l	20	--
4,6-Dinitro-o-cresol	ND		ug/l	10	--
Phenol	ND		ug/l	5.0	--
2-Methylphenol	ND		ug/l	5.0	--
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--
2,4,5-Trichlorophenol	ND		ug/l	5.0	--
Benzyl Alcohol	ND		ug/l	2.0	--

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206657
Report Date: 04/27/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 04/23/12 20:18
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 04/19/12 09:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG530165-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	61		15-120
2,4,6-Tribromophenol	95		10-120
4-Terphenyl-d14	88		41-149

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206657
Report Date: 04/27/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C-SIM
Analytical Date: 04/24/12 09:59
Analyst: JC

Extraction Method: EPA 3510C
Extraction Date: 04/19/12 09:29

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-05 Batch: WG530167-1					
Hexachlorobutadiene	ND		ug/l	0.50	--
Benzo(a)anthracene	ND		ug/l	0.20	--
Benzo(a)pyrene	ND		ug/l	0.20	--
Benzo(b)fluoranthene	ND		ug/l	0.20	--
Benzo(k)fluoranthene	ND		ug/l	0.20	--
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--
Pentachlorophenol	ND		ug/l	0.80	--
Hexachlorobenzene	ND		ug/l	0.80	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	55		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	78		41-149

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206657
Report Date: 04/27/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 04/24/12 12:38
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 04/20/12 17:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06-07,10-13 Batch: WG530664-1					
Acenaphthene	ND		ug/l	2.0	--
Benzidine	ND		ug/l	20	--
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--
2-Chloronaphthalene	ND		ug/l	2.0	--
1,2-Dichlorobenzene	ND		ug/l	2.0	--
1,3-Dichlorobenzene	ND		ug/l	2.0	--
1,4-Dichlorobenzene	ND		ug/l	2.0	--
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--
2,4-Dinitrotoluene	ND		ug/l	5.0	--
2,6-Dinitrotoluene	ND		ug/l	5.0	--
Azobenzene	ND		ug/l	2.0	--
Fluoranthene	ND		ug/l	2.0	--
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--
Hexachlorocyclopentadiene	ND		ug/l	20	--
Hexachloroethane	ND		ug/l	2.0	--
Isophorone	ND		ug/l	5.0	--
Naphthalene	ND		ug/l	2.0	--
Nitrobenzene	ND		ug/l	2.0	--
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--
Butyl benzyl phthalate	ND		ug/l	5.0	--
Di-n-butylphthalate	ND		ug/l	5.0	--
Di-n-octylphthalate	ND		ug/l	5.0	--
Diethyl phthalate	ND		ug/l	5.0	--
Dimethyl phthalate	ND		ug/l	5.0	--

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206657
Report Date: 04/27/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 04/24/12 12:38
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 04/20/12 17:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06-07,10-13 Batch: WG530664-1					
Chrysene	ND		ug/l	2.0	--
Acenaphthylene	ND		ug/l	2.0	--
Anthracene	ND		ug/l	2.0	--
Benzo(ghi)perylene	ND		ug/l	2.0	--
Fluorene	ND		ug/l	2.0	--
Phenanthrene	ND		ug/l	2.0	--
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--
Pyrene	ND		ug/l	2.0	--
Aniline	ND		ug/l	2.0	--
4-Chloroaniline	ND		ug/l	5.0	--
2-Nitroaniline	ND		ug/l	5.0	--
3-Nitroaniline	ND		ug/l	5.0	--
4-Nitroaniline	ND		ug/l	5.0	--
Dibenzofuran	ND		ug/l	2.0	--
2-Methylnaphthalene	ND		ug/l	2.0	--
n-Nitrosodimethylamine	ND		ug/l	2.0	--
2,4,6-Trichlorophenol	ND		ug/l	5.0	--
P-Chloro-M-Cresol	ND		ug/l	2.0	--
2-Chlorophenol	ND		ug/l	2.0	--
2,4-Dichlorophenol	ND		ug/l	5.0	--
2,4-Dimethylphenol	ND		ug/l	5.0	--
2-Nitrophenol	ND		ug/l	10	--
4-Nitrophenol	ND		ug/l	10	--
2,4-Dinitrophenol	ND		ug/l	20	--
4,6-Dinitro-o-cresol	ND		ug/l	10	--
Phenol	ND		ug/l	5.0	--
2-Methylphenol	ND		ug/l	5.0	--
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--
2,4,5-Trichlorophenol	ND		ug/l	5.0	--
Benzyl Alcohol	ND		ug/l	2.0	--

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206657
Report Date: 04/27/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 04/24/12 12:38
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 04/20/12 17:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06-07,10-13 Batch: WG530664-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	90		10-120
4-Terphenyl-d14	100		41-149

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206657
Report Date: 04/27/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C-SIM
Analytical Date: 04/24/12 13:44
Analyst: JC

Extraction Method: EPA 3510C
Extraction Date: 04/20/12 17:05

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 06-07,10-13 Batch: WG530666-1					
Hexachlorobutadiene	ND		ug/l	0.50	--
Benzo(a)anthracene	ND		ug/l	0.20	--
Benzo(a)pyrene	ND		ug/l	0.20	--
Benzo(b)fluoranthene	ND		ug/l	0.20	--
Benzo(k)fluoranthene	ND		ug/l	0.20	--
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--
Pentachlorophenol	ND		ug/l	0.80	--
Hexachlorobenzene	ND		ug/l	0.80	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	53		15-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	90		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1206657
Report Date: 04/27/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG530165-2 WG530165-3								
Acenaphthene	76		76		37-111	0		30
1,2,4-Trichlorobenzene	57		59		39-98	3		30
1,4-Dichlorobenzene	57		59		36-97	3		30
2,4-Dinitrotoluene	62		61		24-96	2		30
n-Nitrosodi-n-propylamine	71		74		29-132	4		30
Pyrene	92		93		26-127	1		30
P-Chloro-M-Cresol	92		93		23-97	1		30
2-Chlorophenol	72		76		27-123	5		30
4-Nitrophenol	58		58		10-80	0		30
Pentachlorophenol	78		80		9-103	3		30
Phenol	32		34		12-110	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	48		53		21-120
Phenol-d6	35		38		10-120
Nitrobenzene-d5	69		72		23-120
2-Fluorobiphenyl	74		74		15-120
2,4,6-Tribromophenol	112		118		10-120
4-Terphenyl-d14	106		105		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1206657

Report Date: 04/27/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05 Batch: WG530167-2 WG530167-3								
Pentachlorophenol	92		95		9-103	3		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	49		51		21-120
Phenol-d6	36		38		10-120
Nitrobenzene-d5	76		76		23-120
2-Fluorobiphenyl	65		69		15-120
2,4,6-Tribromophenol	96		102		10-120
4-Terphenyl-d14	101		104		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1206657
Report Date: 04/27/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07,10-13 Batch: WG530664-2 WG530664-3								
Acenaphthene	78		68		37-111	14		30
1,2,4-Trichlorobenzene	70		54		39-98	26		30
1,4-Dichlorobenzene	62		49		36-97	23		30
2,4-Dinitrotoluene	**98**	Q	94		24-96	4		30
n-Nitrosodi-n-propylamine	76		65		29-132	16		30
Pyrene	97		89		26-127	9		30
P-Chloro-M-Cresol	**100**	Q	86		23-97	15		30
2-Chlorophenol	75		65		27-123	14		30
4-Nitrophenol	59		58		10-80	2		30
Pentachlorophenol	103		103		9-103	0		30
Phenol	36		30		12-110	18		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	53		45		21-120
Phenol-d6	38		32		10-120
Nitrobenzene-d5	83		68		23-120
2-Fluorobiphenyl	87		73		15-120
2,4,6-Tribromophenol	96		85		10-120
4-Terphenyl-d14	105		96		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1206657

Report Date: 04/27/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 06-07,10-13 Batch: WG530666-2 WG530666-3								
Pentachlorophenol	56		81		9-103	36		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	34		46		21-120
Phenol-d6	27		36		10-120
Nitrobenzene-d5	53		74		23-120
2-Fluorobiphenyl	49		65		15-120
2,4,6-Tribromophenol	67		84		10-120
4-Terphenyl-d14	67		88		41-149

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1206657
Report Date: 04/27/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG530165-4 WG530165-5 QC Sample: L1206743-02 Client ID: MS Sample												
Acenaphthene	ND	40.8	29	71		25	62		37-111	15		30
1,2,4-Trichlorobenzene	ND	40.8	22	54		20	50		39-98	10		30
1,4-Dichlorobenzene	ND	40.8	23	56		20	50		36-97	14		30
2,4-Dinitrotoluene	ND	40.8	24	59		20	50		24-96	18		30
n-Nitrosodi-n-propylamine	ND	40.8	28	69		25	62		29-132	11		30
Pyrene	ND	40.8	34	83		29	72		26-127	16		30
P-Chloro-M-Cresol	ND	40.8	35	86		29	72		23-97	19		30
2-Chlorophenol	ND	40.8	29	71		25	62		27-123	15		30
4-Nitrophenol	ND	40.8	23	56		19	47		10-80	19		30
Pentachlorophenol	ND	40.8	33	81		28	70		9-103	16		30
Phenol	ND	40.8	12	29		11	27		12-110	9		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	104		87		10-120
2-Fluorobiphenyl	67		59		15-120
2-Fluorophenol	46		42		21-120
4-Terphenyl-d14	92		81		41-149
Nitrobenzene-d5	67		60		23-120
Phenol-d6	33		29		10-120

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1206657
Report Date: 04/27/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG530165-6 WG530165-7 QC Sample: L1206657-01 Client ID: MW-11S												
Acenaphthene	ND	40	27	68		25	62		37-111	8		30
1,2,4-Trichlorobenzene	ND	40	22	55		20	50		39-98	10		30
1,4-Dichlorobenzene	ND	40	22	55		22	54		36-97	0		30
2,4-Dinitrotoluene	ND	40	22	55		21	52		24-96	5		30
n-Nitrosodi-n-propylamine	ND	40	24	60		24	59		29-132	0		30
Pyrene	ND	40	31	78		31	77		26-127	0		30
P-Chloro-M-Cresol	ND	40	33	83		32	79		23-97	3		30
2-Chlorophenol	ND	40	26	65		26	64		27-123	0		30
4-Nitrophenol	ND	40	22	55		23	57		10-80	4		30
Pentachlorophenol	ND	40	31	78		30	74		9-103	3		30
Phenol	ND	40	12	30		12	30		12-110	0		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	95		94		10-120
2-Fluorobiphenyl	63		60		15-120
2-Fluorophenol	43		43		21-120
4-Terphenyl-d14	86		84		41-149
Nitrobenzene-d5	62		58		23-120
Phenol-d6	31		31		10-120

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1206657
Report Date: 04/27/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG530167-4 WG530167-5 QC Sample: L1206743-02 Client ID: MS Sample												
Pentachlorophenol	ND	40.8	41	100		41	100		9-103	0		40

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	112		110		10-120
2-Fluorobiphenyl	82		83		15-120
2-Fluorophenol	50		52		21-120
4-Terphenyl-d14	102		100		41-149
Nitrobenzene-d5	78		82		23-120
Phenol-d6	36		38		10-120

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1206657
Report Date: 04/27/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG530167-6 WG530167-7 QC Sample: L1206657-01 Client ID: MW-11S												
Pentachlorophenol	ND	40	56	**140**	Q	53	**130**	Q	9-103	6		40

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	**169**	Q	**159**	Q	10-120
2-Fluorobiphenyl	87		79		15-120
2-Fluorophenol	50		46		21-120
4-Terphenyl-d14	122		115		41-149
Nitrobenzene-d5	93		85		23-120
Phenol-d6	32		29		10-120

METALS

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1206657
Project Number:	CJI-1747	**Report Date:**	04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-01	Date Collected:	04/17/12 08:35
Client ID:	MW-11S	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.037		mg/l	0.010	--	1	04/23/12 16:10	04/24/12 17:04	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 17:04	EPA 3005A	1,6020	BM
Arsenic, Total	0.0016		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 17:04	EPA 3005A	1,6020	BM
Barium, Total	0.0802		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 17:04	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 17:04	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0002	--	1	04/23/12 16:10	04/24/12 17:04	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0010	--	1	04/23/12 16:10	04/24/12 17:04	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0010	--	1	04/23/12 16:10	04/24/12 17:04	EPA 3005A	1,6020	BM
Manganese, Total	3.067		mg/l	0.0100	--	10	04/23/12 16:10	04/24/12 19:49	EPA 3005A	1,6020	BM
Sodium, Total	19		mg/l	2.0	--	1	04/23/12 16:10	04/24/12 17:53	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0002	--	1	04/23/12 16:10	04/24/12 17:04	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0050	--	1	04/23/12 16:10	04/24/12 17:04	EPA 3005A	1,6020	BM
Zinc, Total	0.0119		mg/l	0.0100	--	1	04/23/12 16:10	04/24/12 17:04	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1206657
Project Number:	CJI-1747	**Report Date:**	04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-02	Date Collected:	04/17/12 10:24
Client ID:	MW-11BR	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.010	--	1	04/23/12 16:10	04/24/12 17:57	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 17:57	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 17:57	EPA 3005A	1,6020	BM
Barium, Total	0.0426		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 17:57	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 17:57	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0002	--	1	04/23/12 16:10	04/24/12 17:57	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0010	--	1	04/23/12 16:10	04/24/12 17:57	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0010	--	1	04/23/12 16:10	04/24/12 17:57	EPA 3005A	1,6020	BM
Manganese, Total	0.0051		mg/l	0.0010	--	1	04/23/12 16:10	04/24/12 17:57	EPA 3005A	1,6020	BM
Sodium, Total	67		mg/l	2.0	--	1	04/23/12 16:10	04/24/12 18:13	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0002	--	1	04/23/12 16:10	04/24/12 17:57	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0050	--	1	04/23/12 16:10	04/24/12 17:57	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0100	--	1	04/23/12 16:10	04/24/12 17:57	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID: L1206657-03 Date Collected: 04/17/12 09:27

Client ID: MW-11DO Date Received: 04/17/12

Sample Location: SOUTH KINGSTOWN, RI Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.013		mg/l	0.010	--	1	04/23/12 16:10	04/24/12 18:03	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 18:03	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 18:03	EPA 3005A	1,6020	BM
Barium, Total	0.0404		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 18:03	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 18:03	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0002	--	1	04/23/12 16:10	04/24/12 18:03	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0010	--	1	04/23/12 16:10	04/24/12 18:03	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0010	--	1	04/23/12 16:10	04/24/12 18:03	EPA 3005A	1,6020	BM
Manganese, Total	1.379		mg/l	0.0100	--	10	04/23/12 16:10	04/24/12 20:33	EPA 3005A	1,6020	BM
Sodium, Total	17		mg/l	2.0	--	1	04/23/12 16:10	04/24/12 18:16	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0002	--	1	04/23/12 16:10	04/24/12 18:03	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0050	--	1	04/23/12 16:10	04/24/12 18:03	EPA 3005A	1,6020	BM
Zinc, Total	0.0223		mg/l	0.0100	--	1	04/23/12 16:10	04/24/12 18:03	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1206657
Project Number:	CJI-1747	**Report Date:**	04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-04	Date Collected:	04/17/12 11:01
Client ID:	MW-6DO	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.010	--	1	04/23/12 16:10	04/24/12 18:09	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 18:09	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 18:09	EPA 3005A	1,6020	BM
Barium, Total	0.0355		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 18:09	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 18:09	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0002	--	1	04/23/12 16:10	04/24/12 18:09	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0010	--	1	04/23/12 16:10	04/24/12 18:09	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0010	--	1	04/23/12 16:10	04/24/12 18:09	EPA 3005A	1,6020	BM
Manganese, Total	1.520		mg/l	0.0100	--	10	04/23/12 16:10	04/24/12 20:39	EPA 3005A	1,6020	BM
Sodium, Total	15		mg/l	2.0	--	1	04/23/12 16:10	04/24/12 18:19	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0002	--	1	04/23/12 16:10	04/24/12 18:09	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0050	--	1	04/23/12 16:10	04/24/12 18:09	EPA 3005A	1,6020	BM
Zinc, Total	0.0113		mg/l	0.0100	--	1	04/23/12 16:10	04/24/12 18:09	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1206657
Project Number:	CJI-1747	**Report Date:**	04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-05	Date Collected:	04/17/12 11:01
Client ID:	DUPLICATE (MW-6DO)	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.010	--	1	04/23/12 16:10	04/24/12 18:16	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 18:16	EPA 3005A	1,6020	BM
Arsenic, Total	0.0007		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 18:16	EPA 3005A	1,6020	BM
Barium, Total	0.0388		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 18:16	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 18:16	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0002	--	1	04/23/12 16:10	04/24/12 18:16	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0010	--	1	04/23/12 16:10	04/24/12 18:16	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0010	--	1	04/23/12 16:10	04/24/12 18:16	EPA 3005A	1,6020	BM
Manganese, Total	1.588		mg/l	0.0100	--	10	04/23/12 16:10	04/24/12 20:45	EPA 3005A	1,6020	BM
Sodium, Total	16		mg/l	2.0	--	1	04/23/12 16:10	04/24/12 18:22	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0002	--	1	04/23/12 16:10	04/24/12 18:16	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0050	--	1	04/23/12 16:10	04/24/12 18:16	EPA 3005A	1,6020	BM
Zinc, Total	0.0119		mg/l	0.0100	--	1	04/23/12 16:10	04/24/12 18:16	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1206657
Project Number:	CJI-1747	**Report Date:**	04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-06	Date Collected:	04/17/12 11:59
Client ID:	MW-5S	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.010	--	1	04/23/12 16:10	04/24/12 18:22	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 18:22	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 18:22	EPA 3005A	1,6020	BM
Barium, Total	0.0017		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 18:22	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 18:22	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0002	--	1	04/23/12 16:10	04/24/12 18:22	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0010	--	1	04/23/12 16:10	04/24/12 18:22	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0010	--	1	04/23/12 16:10	04/24/12 18:22	EPA 3005A	1,6020	BM
Manganese, Total	0.0015		mg/l	0.0010	--	1	04/23/12 16:10	04/24/12 18:22	EPA 3005A	1,6020	BM
Sodium, Total	13		mg/l	2.0	--	1	04/23/12 16:10	04/24/12 18:25	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0002	--	1	04/23/12 16:10	04/24/12 18:22	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0050	--	1	04/23/12 16:10	04/24/12 18:22	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0100	--	1	04/23/12 16:10	04/24/12 18:22	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1206657
Project Number:	CJI-1747	**Report Date:**	04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-07	Date Collected:	04/17/12 12:00
Client ID:	FIELD BLANK	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.010	--	1	04/23/12 16:10	04/24/12 16:52	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 16:52	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 16:52	EPA 3005A	1,6020	BM
Barium, Total	ND		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 16:52	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 16:52	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0002	--	1	04/23/12 16:10	04/24/12 16:52	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0010	--	1	04/23/12 16:10	04/24/12 16:52	EPA 3005A	1,6020	BM
Lead, Total	0.0017		mg/l	0.0010	--	1	04/23/12 16:10	04/24/12 16:52	EPA 3005A	1,6020	BM
Manganese, Total	ND		mg/l	0.0010	--	1	04/23/12 16:10	04/24/12 16:52	EPA 3005A	1,6020	BM
Sodium, Total	ND		mg/l	2.0	--	1	04/23/12 16:10	04/24/12 18:28	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0002	--	1	04/23/12 16:10	04/24/12 16:52	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0050	--	1	04/23/12 16:10	04/24/12 16:52	EPA 3005A	1,6020	BM
Zinc, Total	0.0148		mg/l	0.0100	--	1	04/23/12 16:10	04/24/12 16:52	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1206657
Project Number:	CJI-1747	**Report Date:**	04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-10	Date Collected:	04/17/12 13:38
Client ID:	MW-07BR	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.010	--	1	04/23/12 16:10	04/24/12 18:28	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 18:28	EPA 3005A	1,6020	BM
Arsenic, Total	0.0009		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 18:28	EPA 3005A	1,6020	BM
Barium, Total	0.0162		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 18:28	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 18:28	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0002	--	1	04/23/12 16:10	04/24/12 18:28	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0010	--	1	04/23/12 16:10	04/24/12 18:28	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0010	--	1	04/23/12 16:10	04/24/12 18:28	EPA 3005A	1,6020	BM
Manganese, Total	0.0025		mg/l	0.0010	--	1	04/23/12 16:10	04/24/12 18:28	EPA 3005A	1,6020	BM
Sodium, Total	54		mg/l	2.0	--	1	04/23/12 16:10	04/24/12 18:31	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0002	--	1	04/23/12 16:10	04/24/12 18:28	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0050	--	1	04/23/12 16:10	04/24/12 18:28	EPA 3005A	1,6020	BM
Zinc, Total	0.0125		mg/l	0.0100	--	1	04/23/12 16:10	04/24/12 18:28	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1206657
Project Number:	CJI-1747	**Report Date:**	04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-11	Date Collected:	04/17/12 13:20
Client ID:	MW-07DO	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.438		mg/l	0.010	--	1	04/23/12 16:10	04/24/12 18:34	EPA 3005A	1,6020	BM
Antimony, Total	0.0008		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 18:34	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 18:34	EPA 3005A	1,6020	BM
Barium, Total	0.0369		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 18:34	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 18:34	EPA 3005A	1,6020	BM
Cadmium, Total	0.0004		mg/l	0.0002	--	1	04/23/12 16:10	04/24/12 18:34	EPA 3005A	1,6020	BM
Chromium, Total	0.0017		mg/l	0.0010	--	1	04/23/12 16:10	04/24/12 18:34	EPA 3005A	1,6020	BM
Lead, Total	0.0017		mg/l	0.0010	--	1	04/23/12 16:10	04/24/12 18:34	EPA 3005A	1,6020	BM
Manganese, Total	0.9777		mg/l	0.0100	--	10	04/23/12 16:10	04/24/12 20:52	EPA 3005A	1,6020	BM
Sodium, Total	19		mg/l	2.0	--	1	04/23/12 16:10	04/24/12 18:34	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0002	--	1	04/23/12 16:10	04/24/12 18:34	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0050	--	1	04/23/12 16:10	04/24/12 18:34	EPA 3005A	1,6020	BM
Zinc, Total	0.0299		mg/l	0.0100	--	1	04/23/12 16:10	04/24/12 18:34	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1206657
Project Number:	CJI-1747	**Report Date:**	04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-12	Date Collected:	04/17/12 13:55
Client ID:	RES#11	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.040		mg/l	0.010	--	1	04/23/12 16:10	04/24/12 18:41	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 18:41	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 18:41	EPA 3005A	1,6020	BM
Barium, Total	0.0082		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 18:41	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 18:41	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0002	--	1	04/23/12 16:10	04/24/12 18:41	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0010	--	1	04/23/12 16:10	04/24/12 18:41	EPA 3005A	1,6020	BM
Lead, Total	0.0012		mg/l	0.0010	--	1	04/23/12 16:10	04/24/12 18:41	EPA 3005A	1,6020	BM
Manganese, Total	0.0590		mg/l	0.0010	--	1	04/23/12 16:10	04/24/12 18:41	EPA 3005A	1,6020	BM
Sodium, Total	6.3		mg/l	2.0	--	1	04/23/12 16:10	04/24/12 18:37	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0002	--	1	04/23/12 16:10	04/24/12 18:41	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0050	--	1	04/23/12 16:10	04/24/12 18:41	EPA 3005A	1,6020	BM
Zinc, Total	0.0303		mg/l	0.0100	--	1	04/23/12 16:10	04/24/12 18:41	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1206657
Project Number:	CJI-1747	**Report Date:**	04/27/12

SAMPLE RESULTS

Lab ID:	L1206657-13	Date Collected:	04/17/12 13:55
Client ID:	DUPLICATE (RES#11)	Date Received:	04/17/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.016		mg/l	0.010	--	1	04/23/12 16:10	04/24/12 18:47	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 18:47	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 18:47	EPA 3005A	1,6020	BM
Barium, Total	0.0083		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 18:47	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 18:47	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0002	--	1	04/23/12 16:10	04/24/12 18:47	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0010	--	1	04/23/12 16:10	04/24/12 18:47	EPA 3005A	1,6020	BM
Lead, Total	0.0011		mg/l	0.0010	--	1	04/23/12 16:10	04/24/12 18:47	EPA 3005A	1,6020	BM
Manganese, Total	0.0599		mg/l	0.0010	--	1	04/23/12 16:10	04/24/12 18:47	EPA 3005A	1,6020	BM
Sodium, Total	6.8		mg/l	2.0	--	1	04/23/12 16:10	04/24/12 18:46	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0002	--	1	04/23/12 16:10	04/24/12 18:47	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0050	--	1	04/23/12 16:10	04/24/12 18:47	EPA 3005A	1,6020	BM
Zinc, Total	0.0286		mg/l	0.0100	--	1	04/23/12 16:10	04/24/12 18:47	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

SAMPLE RESULTS

Lab ID: L1206657-14 Date Collected: 04/17/12 10:30

Client ID: SW-12 Date Received: 04/17/12

Sample Location: SOUTH KINGSTOWN, RI Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.212		mg/l	0.010	--	1	04/23/12 16:10	04/24/12 19:06	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 19:06	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0002	--	1	04/23/12 16:10	04/24/12 19:06	EPA 3005A	1,6020	BM
Chromium, Total	0.0012		mg/l	0.0010	--	1	04/23/12 16:10	04/24/12 19:06	EPA 3005A	1,6020	BM
Copper, Total	0.0027		mg/l	0.0010	--	1	04/23/12 16:10	04/24/12 19:06	EPA 3005A	1,6020	BM
Iron, Total	2.84		mg/l	0.050	--	1	04/23/12 16:10	04/24/12 19:06	EPA 3005A	1,6020	BM
Lead, Total	0.0174		mg/l	0.0010	--	1	04/23/12 16:10	04/24/12 19:06	EPA 3005A	1,6020	BM
Manganese, Total	0.1949		mg/l	0.0010	--	1	04/23/12 16:10	04/24/12 19:06	EPA 3005A	1,6020	BM
Nickel, Total	0.0014		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 19:06	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0003	--	1	04/23/12 16:10	04/24/12 19:06	EPA 3005A	1,6020	BM
Zinc, Total	0.1427		mg/l	0.0100	--	1	04/23/12 16:10	04/24/12 19:06	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab											
Hardness	15		mg/l	0.66	--	1	04/23/12 16:10	04/24/12 17:44	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.040		mg/l	0.010	--	1	04/24/12 15:20	04/25/12 13:41	EPA 3005A	1,6020	AK
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	04/24/12 15:20	04/25/12 13:41	EPA 3005A	1,6020	AK
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	04/24/12 15:20	04/25/12 13:41	EPA 3005A	1,6020	AK
Chromium, Dissolved	ND		mg/l	0.0010	--	1	04/24/12 15:20	04/25/12 13:41	EPA 3005A	1,6020	AK
Copper, Dissolved	0.0014		mg/l	0.0010	--	1	04/24/12 15:20	04/25/12 13:41	EPA 3005A	1,6020	AK
Iron, Dissolved	0.442		mg/l	0.050	--	1	04/24/12 15:20	04/25/12 13:41	EPA 3005A	1,6020	AK
Lead, Dissolved	0.0011		mg/l	0.0010	--	1	04/24/12 15:20	04/25/12 13:41	EPA 3005A	1,6020	AK
Manganese, Dissolved	0.1165		mg/l	0.0005	--	1	04/24/12 15:20	04/25/12 13:41	EPA 3005A	1,6020	AK
Nickel, Dissolved	0.0009		mg/l	0.0005	--	1	04/24/12 15:20	04/25/12 13:41	EPA 3005A	1,6020	AK
Silver, Dissolved	ND		mg/l	0.0003	--	1	04/24/12 15:20	04/25/12 13:41	EPA 3005A	1,6020	AK
Zinc, Dissolved	0.0384		mg/l	0.0100	--	1	04/24/12 15:20	04/25/12 13:41	EPA 3005A	1,6020	AK

Project Name: ROSE HILL LANDFILL
Lab Number: L1206657
Project Number: CJI-1747
Report Date: 04/27/12

SAMPLE RESULTS

Lab ID: L1206657-15
Client ID: SW-13
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 04/17/12 12:38
Date Received: 04/17/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.163		mg/l	0.010	--	1	04/23/12 16:10	04/24/12 19:18	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 19:18	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0002	--	1	04/23/12 16:10	04/24/12 19:18	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0010	--	1	04/23/12 16:10	04/24/12 19:18	EPA 3005A	1,6020	BM
Copper, Total	0.0035		mg/l	0.0010	--	1	04/23/12 16:10	04/24/12 19:18	EPA 3005A	1,6020	BM
Iron, Total	0.264		mg/l	0.050	--	1	04/23/12 16:10	04/24/12 19:18	EPA 3005A	1,6020	BM
Lead, Total	0.0025		mg/l	0.0010	--	1	04/23/12 16:10	04/24/12 19:18	EPA 3005A	1,6020	BM
Manganese, Total	0.0238		mg/l	0.0010	--	1	04/23/12 16:10	04/24/12 19:18	EPA 3005A	1,6020	BM
Nickel, Total	0.0016		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 19:18	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0003	--	1	04/23/12 16:10	04/24/12 19:18	EPA 3005A	1,6020	BM
Zinc, Total	0.0973		mg/l	0.0100	--	1	04/23/12 16:10	04/24/12 19:18	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab											
Hardness	12		mg/l	0.66	--	1	04/23/12 16:10	04/24/12 16:47	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.462		mg/l	0.010	--	1	04/24/12 15:20	04/25/12 13:30	EPA 3005A	1,6020	AK
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	04/24/12 15:20	04/25/12 13:30	EPA 3005A	1,6020	AK
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	04/24/12 15:20	04/25/12 13:30	EPA 3005A	1,6020	AK
Chromium, Dissolved	ND		mg/l	0.0010	--	1	04/24/12 15:20	04/25/12 13:30	EPA 3005A	1,6020	AK
Copper, Dissolved	0.0058		mg/l	0.0010	--	1	04/24/12 15:20	04/25/12 13:30	EPA 3005A	1,6020	AK
Iron, Dissolved	0.292		mg/l	0.050	--	1	04/24/12 15:20	04/25/12 13:30	EPA 3005A	1,6020	AK
Lead, Dissolved	0.0155		mg/l	0.0010	--	1	04/24/12 15:20	04/25/12 13:30	EPA 3005A	1,6020	AK
Manganese, Dissolved	0.2516		mg/l	0.0005	--	1	04/24/12 15:20	04/25/12 13:30	EPA 3005A	1,6020	AK
Nickel, Dissolved	0.0025		mg/l	0.0005	--	1	04/24/12 15:20	04/25/12 13:30	EPA 3005A	1,6020	AK
Silver, Dissolved	ND		mg/l	0.0003	--	1	04/24/12 15:20	04/25/12 13:30	EPA 3005A	1,6020	AK
Zinc, Dissolved	0.1258		mg/l	0.0100	--	1	04/24/12 15:20	04/25/12 13:30	EPA 3005A	1,6020	AK

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-07,10-15 Batch: WG530942-1										
Aluminum, Total	ND		mg/l	0.010	--	1	04/23/12 16:10	04/24/12 15:43	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 15:43	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 15:43	1,6020	BM
Barium, Total	ND		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 15:43	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 15:43	1,6020	BM
Cadmium, Total	ND		mg/l	0.0002	--	1	04/23/12 16:10	04/24/12 15:43	1,6020	BM
Chromium, Total	ND		mg/l	0.0010	--	1	04/23/12 16:10	04/24/12 15:43	1,6020	BM
Copper, Total	ND		mg/l	0.0010	--	1	04/23/12 16:10	04/24/12 15:43	1,6020	BM
Iron, Total	ND		mg/l	0.050	--	1	04/23/12 16:10	04/24/12 15:43	1,6020	BM
Lead, Total	ND		mg/l	0.0010	--	1	04/23/12 16:10	04/24/12 15:43	1,6020	BM
Manganese, Total	ND		mg/l	0.0010	--	1	04/23/12 16:10	04/24/12 15:43	1,6020	BM
Nickel, Total	ND		mg/l	0.0005	--	1	04/23/12 16:10	04/24/12 15:43	1,6020	BM
Silver, Total	ND		mg/l	0.0003	--	1	04/23/12 16:10	04/24/12 15:43	1,6020	BM
Thallium, Total	ND		mg/l	0.0002	--	1	04/23/12 16:10	04/24/12 15:43	1,6020	BM
Vanadium, Total	ND		mg/l	0.0050	--	1	04/23/12 16:10	04/24/12 15:43	1,6020	BM
Zinc, Total	ND		mg/l	0.0100	--	1	04/23/12 16:10	04/24/12 15:43	1,6020	BM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-07,10-13 Batch: WG530948-1										
Sodium, Total	ND		mg/l	2.0	--	1	04/23/12 16:10	04/24/12 17:47	1,6010B	AI

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 14-15 Batch: WG531180-1										
Aluminum, Dissolved	ND		mg/l	0.010	--	1	04/24/12 15:20	04/25/12 11:12	1,6020	AK

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

Method Blank Analysis
Batch Quality Control

Arsenic, Dissolved	ND	mg/l	0.0005	--	1	04/24/12 15:20	04/25/12 11:12	1,6020	AK
Cadmium, Dissolved	ND	mg/l	0.0005	--	1	04/24/12 15:20	04/25/12 11:12	1,6020	AK
Chromium, Dissolved	ND	mg/l	0.0010	--	1	04/24/12 15:20	04/25/12 11:12	1,6020	AK
Copper, Dissolved	ND	mg/l	0.0010	--	1	04/24/12 15:20	04/25/12 11:12	1,6020	AK
Iron, Dissolved	ND	mg/l	0.050	--	1	04/24/12 15:20	04/25/12 11:12	1,6020	AK
Lead, Dissolved	ND	mg/l	0.0010	--	1	04/24/12 15:20	04/25/12 11:12	1,6020	AK
Manganese, Dissolved	ND	mg/l	0.0005	--	1	04/24/12 15:20	04/25/12 11:12	1,6020	AK
Nickel, Dissolved	ND	mg/l	0.0005	--	1	04/24/12 15:20	04/25/12 11:12	1,6020	AK
Silver, Dissolved	ND	mg/l	0.0003	--	1	04/24/12 15:20	04/25/12 11:12	1,6020	AK
Zinc, Dissolved	ND	mg/l	0.0100	--	1	04/24/12 15:20	04/25/12 11:12	1,6020	AK

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Hardness by SM 2340B - Westborough Lab for sample(s): 14-15 Batch: WG531231-1										
Hardness	ND		mg/l	0.66	--	1	04/23/12 16:10	04/24/12 16:41	1,6010B	AI

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206657
Report Date: 04/27/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-07,10-15 Batch: WG530942-2								
Aluminum, Total	98		-		80-120	-		
Antimony, Total	98		-		80-120	-		
Arsenic, Total	110		-		80-120	-		
Barium, Total	105		-		80-120	-		
Beryllium, Total	105		-		80-120	-		
Cadmium, Total	114		-		80-120	-		
Chromium, Total	108		-		80-120	-		
Copper, Total	109		-		80-120	-		
Iron, Total	120		-		80-120	-		
Lead, Total	107		-		80-120	-		
Manganese, Total	109		-		80-120	-		
Nickel, Total	109		-		80-120	-		
Silver, Total	102		-		80-120	-		
Thallium, Total	100		-		80-120	-		
Vanadium, Total	108		-		80-120	-		
Zinc, Total	114		-		80-120	-		
Total Metals - Westborough Lab Associated sample(s): 01-07,10-13 Batch: WG530948-2								
Sodium, Total	100		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206657
Report Date: 04/27/12

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 14-15 Batch: WG531180-2					
Aluminum, Dissolved	96	-	80-120	-	
Arsenic, Dissolved	108	-	80-120	-	
Cadmium, Dissolved	113	-	80-120	-	
Chromium, Dissolved	102	-	80-120	-	
Copper, Dissolved	102	-	80-120	-	
Iron, Dissolved	100	-	80-120	-	
Lead, Dissolved	105	-	80-120	-	
Manganese, Dissolved	102	-	80-120	-	
Nickel, Dissolved	104	-	80-120	-	
Silver, Dissolved	101	-	80-120	-	
Zinc, Dissolved	108	-	80-120	-	
Total Hardness by SM 2340B - Westborough Lab Associated sample(s): 14-15 Batch: WG531231-2					
Hardness	103	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1206657
Report Date: 04/27/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-07,10-15 QC Batch ID: WG530942-3 WG530942-4 QC Sample: L1206657-01 Client ID: MW-11S												
Aluminum, Total	0.037	2	1.96	96		2.02	99		80-120	3		20
Antimony, Total	ND	0.5	0.5180	104		0.5317	106		80-120	3		20
Arsenic, Total	0.0016	0.12	0.1315	108		0.1359	112		80-120	3		20
Barium, Total	0.0802	2	2.115	102		2.184	105		80-120	3		20
Beryllium, Total	ND	0.05	0.0482	96		0.0476	95		80-120	1		20
Cadmium, Total	ND	0.051	0.0547	107		0.0559	110		80-120	2		20
Chromium, Total	ND	0.2	0.2095	105		0.2160	108		80-120	3		20
Copper, Total	ND	0.25	0.2628	105		0.2720	109		80-120	3		20
Iron, Total	39.5	1	42.7	**320**	Q	44.2	**470**	Q	80-120	3		20
Lead, Total	ND	0.51	0.5418	106		0.5584	109		80-120	3		20
Manganese, Total	3.067	0.5	3.524	91		3.618	110		80-120	3		20
Nickel, Total	0.0048	0.5	0.5256	104		0.5450	108		80-120	4		20
Silver, Total	ND	0.05	0.0466	93		0.0482	96		80-120	3		20
Thallium, Total	ND	0.12	0.1200	100		0.1216	101		80-120	1		20
Vanadium, Total	ND	0.5	0.5257	105		0.5449	109		80-120	4		20
Zinc, Total	0.0119	0.5	0.5519	108		0.5541	108		80-120	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206657
Report Date: 04/27/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-07,10-15 QC Batch ID: WG530942-7 WG530942-8 QC Sample: L1206657-15 Client ID: SW-13									
Aluminum, Total	0.163	2	2.08	96	2.20	102	80-120	6	20
Antimony, Total	ND	0.5	0.5030	101	0.5209	104	80-120	3	20
Arsenic, Total	ND	0.12	0.1304	109	0.1333	111	80-120	2	20
Barium, Total	0.0082	2	2.093	104	2.156	107	80-120	3	20
Beryllium, Total	ND	0.05	0.0494	99	0.0503	100	80-120	2	20
Cadmium, Total	ND	0.051	0.0554	109	0.0566	111	80-120	2	20
Chromium, Total	ND	0.2	0.2103	105	0.2213	111	80-120	5	20
Copper, Total	0.0035	0.25	0.2637	104	0.2785	110	80-120	5	20
Iron, Total	0.264	1	1.32	106	1.39	113	80-120	5	20
Lead, Total	0.0025	0.51	0.5531	108	0.5621	110	80-120	2	20
Manganese, Total	0.0238	0.5	0.5508	105	0.5794	111	80-120	5	20
Nickel, Total	0.0016	0.5	0.5250	105	0.5568	111	80-120	6	20
Silver, Total	ND	0.05	0.0490	98	0.0497	99	80-120	2	20
Thallium, Total	ND	0.12	0.1222	102	0.1235	103	80-120	1	20
Vanadium, Total	ND	0.5	0.5247	105	0.5478	110	80-120	4	20
Zinc, Total	0.0973	0.5	0.6105	103	0.6348	107	80-120	4	20
Total Metals - Westborough Lab Associated sample(s): 01-07,10-13 QC Batch ID: WG530948-3 WG530948-4 QC Sample: L1206657-01 Client ID: MW-11S									
Sodium, Total	19	10	28	90	29	100	75-125	4	20

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206657
Report Date: 04/27/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD		RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 14-15 QC Batch ID: WG531180-3 WG531180-4 QC Sample: L1206657-15 Client ID: SW-13												
Aluminum, Dissolved	0.462	2	2.35	94		1.98	**76**	Q	80-120	17		20
Arsenic, Dissolved	ND	0.12	0.1262	105		0.1220	102		80-120	3		20
Cadmium, Dissolved	ND	0.051	0.0539	106		0.0518	102		80-120	4		20
Chromium, Dissolved	ND	0.2	0.1926	96		0.1843	92		80-120	4		20
Copper, Dissolved	0.0058	0.25	0.2435	95		0.2355	92		80-120	3		20
Iron, Dissolved	0.292	1	1.26	97		1.09	80		80-120	14		20
Lead, Dissolved	0.0155	0.51	0.5356	102		0.4997	95		80-120	7		20
Manganese, Dissolved	0.2516	0.5	0.7326	96		0.5865	**67**	Q	80-120	**22**	Q	20
Nickel, Dissolved	0.0025	0.5	0.4864	97		0.4707	94		80-120	3		20
Silver, Dissolved	ND	0.05	0.0481	96		0.0459	92		80-120	5		20
Zinc, Dissolved	0.1258	0.5	0.6364	102		0.6128	97		80-120	4		20
Total Hardness by SM 2340B - Westborough Lab Associated sample(s): 14-15 QC Batch ID: WG531231-3 WG531231-4 QC Sample: L1206657-15 Client ID: SW-13												
Hardness	12	66.2	78	100		80	103		75-125	3		20

INORGANICS
&
MISCELLANEOUS

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206657
Report Date: 04/27/12

SAMPLE RESULTS

Lab ID: L1206657-14
Client ID: SW-12
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 04/17/12 10:30
Date Received: 04/17/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	--	1	04/18/12 20:30	04/23/12 15:20	1,9010B/9012A	JO
Nitrogen, Ammonia	0.196		mg/l	0.075	--	1	04/20/12 13:30	04/24/12 21:28	30,4500NH3-BH	AT
Nitrogen, Nitrate	0.21		mg/l	0.10	--	1	-	04/18/12 00:19	30,4500NO3-F	TH
Phosphorus, Total	0.074		mg/l	0.010	--	1	04/19/12 12:00	04/19/12 15:54	30,4500P-E	SD
Sulfide	ND		mg/l	0.10	--	1	04/20/12 18:00	04/20/12 21:11	1,9030B	AT
Total Organic Carbon	4.0		mg/l	1.0	--	2	-	04/20/12 10:43	1,9060	SD

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206657
Report Date: 04/27/12

SAMPLE RESULTS

Lab ID: L1206657-15
Client ID: SW-13
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 04/17/12 12:38
Date Received: 04/17/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	--	1	04/18/12 20:30	04/23/12 15:22	1,9010B/9012A	JO
Nitrogen, Ammonia	0.090		mg/l	0.075	--	1	04/20/12 13:30	04/24/12 21:28	30,4500NH3-BH	AT
Nitrogen, Nitrate	0.93		mg/l	0.10	--	1	-	04/18/12 00:20	30,4500NO3-F	TH
Phosphorus, Total	0.040		mg/l	0.010	--	1	04/19/12 12:00	04/19/12 15:54	30,4500P-E	SD
Sulfide	ND		mg/l	0.10	--	1	04/20/12 18:00	04/20/12 21:12	1,9030B	AT
Total Organic Carbon	6.6		mg/l	1.0	--	2	-	04/20/12 10:43	1,9060	SD

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657

Project Number: CJI-1747 **Report Date:** 04/27/12

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 14-15 Batch: WG529837-2										
Nitrogen, Nitrate	ND		mg/l	0.10	--	1	-	04/17/12 23:31	30,4500NO3-F	TH
General Chemistry - Westborough Lab for sample(s): 14-15 Batch: WG530099-1										
Cyanide, Total	ND		mg/l	0.005	--	1	04/18/12 20:30	04/23/12 15:04	1,9010B/9012A	JO
General Chemistry - Westborough Lab for sample(s): 14-15 Batch: WG530330-1										
Phosphorus, Total	ND		mg/l	0.010	--	1	04/19/12 12:00	04/19/12 15:47	30,4500P-E	SD
General Chemistry - Westborough Lab for sample(s): 14-15 Batch: WG530518-1										
Nitrogen, Ammonia	ND		mg/l	0.075	--	1	04/20/12 13:30	04/24/12 21:21	30,4500NH3-BH	AT
General Chemistry - Westborough Lab for sample(s): 14-15 Batch: WG530662-1										
Total Organic Carbon	ND		mg/l	0.50	--	1	-	04/20/12 10:43	1,9060	SD
General Chemistry - Westborough Lab for sample(s): 14-15 Batch: WG530678-1										
Sulfide	ND		mg/l	0.10	--	1	04/20/12 18:00	04/20/12 23:06	1,9030B	AT

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206657
Report Date: 04/27/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 14-15 Batch: WG529837-1								
Nitrogen, Nitrate	106		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 14-15 Batch: WG530099-2 WG530099-3								
Cyanide, Total	109		110		80-120	1		20
General Chemistry - Westborough Lab Associated sample(s): 14-15 Batch: WG530330-2								
Phosphorus, Total	98		-		80-120	-		
General Chemistry - Westborough Lab Associated sample(s): 14-15 Batch: WG530518-2								
Nitrogen, Ammonia	98		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 14-15 Batch: WG530662-2								
Total Organic Carbon	102		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 14-15 Batch: WG530678-2								
Sulfide	77		-		75-125	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1206657
Report Date: 04/27/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 14-15 QC Batch ID: WG529837-3 QC Sample: L1206657-15 Client ID: SW-13												
Nitrogen, Nitrate	0.93	4	4.9	99		-	-		83-113	-		17
General Chemistry - Westborough Lab Associated sample(s): 14-15 QC Batch ID: WG530099-4 WG530099-5 QC Sample: L1206657-15 Client ID: SW-13												
Cyanide, Total	ND	0.2	0.217	108		0.218	109		80-120	0		20
General Chemistry - Westborough Lab Associated sample(s): 14-15 QC Batch ID: WG530330-3 QC Sample: L1206657-15 Client ID: SW-13												
Phosphorus, Total	0.040	0.5	0.566	105		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 14-15 QC Batch ID: WG530518-4 QC Sample: L1206657-15 Client ID: SW-13												
Nitrogen, Ammonia	0.090	4	3.94	96		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 14-15 QC Batch ID: WG530662-3 QC Sample: L1206657-15 Client ID: SW-13												
Total Organic Carbon	6.6	8	15	102		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 14-15 QC Batch ID: WG530678-3 QC Sample: L1206657-15 Client ID: SW-13												
Sulfide	ND	0.22	0.17	77		-	-		70-130	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206657
Report Date: 04/27/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 14-15 QC Batch ID: WG529837-4 QC Sample: L1206657-15 Client ID: SW-13						
Nitrogen, Nitrate	0.93	0.93	mg/l	0		17
General Chemistry - Westborough Lab Associated sample(s): 14-15 QC Batch ID: WG530330-4 QC Sample: L1206657-15 Client ID: SW-13						
Phosphorus, Total	0.040	0.041	mg/l	2		20
General Chemistry - Westborough Lab Associated sample(s): 14-15 QC Batch ID: WG530518-3 QC Sample: L1206657-15 Client ID: SW-13						
Nitrogen, Ammonia	0.090	0.112	mg/l	**22**	Q	20
General Chemistry - Westborough Lab Associated sample(s): 14-15 QC Batch ID: WG530662-4 QC Sample: L1206657-15 Client ID: SW-13						
Total Organic Carbon	6.6	6.7	mg/l	2		20
General Chemistry - Westborough Lab Associated sample(s): 14-15 QC Batch ID: WG530678-4 QC Sample: L1206657-15 Client ID: SW-13						
Sulfide	ND	ND	mg/l	NC		20

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206657
Report Date: 04/27/12

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information	Custody Seal
Cooler	
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1206657-01A	Vial HCl preserved	A	N/A	2.9	Y	Absent	8260(14)
L1206657-01B	Vial HCl preserved	A	N/A	2.9	Y	Absent	8260(14)
L1206657-01C	Vial HCl preserved	A	N/A	2.9	Y	Absent	8260(14)
L1206657-01D	Vial HCl preserved	A	N/A	2.9	Y	Absent	8260(14)
L1206657-01E	Vial HCl preserved	A	N/A	2.9	Y	Absent	8260(14)
L1206657-01F	Vial HCl preserved	A	N/A	2.9	Y	Absent	8260(14)
L1206657-01G	Amber 1000ml unpreserved	A	7	2.9	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206657-01H	Amber 1000ml unpreserved	A	7	2.9	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206657-01I	Amber 1000ml unpreserved	A	7	2.9	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206657-01J	Amber 1000ml unpreserved	A	7	2.9	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206657-01K	Amber 1000ml unpreserved	A	7	2.9	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206657-01L	Amber 1000ml unpreserved	A	7	2.9	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206657-01M	Plastic 250ml HNO3 preserved	A	<2	2.9	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180),NA-TI(180)
L1206657-01N	Plastic 250ml HNO3 preserved	A	<2	2.9	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180),NA-TI(180)
L1206657-01O	Plastic 250ml HNO3 preserved	A	<2	2.9	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206657
Report Date: 04/27/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1206657-02A	Vial HCl preserved	A	N/A	2.9	Y	Absent	8260(14)
L1206657-02B	Vial HCl preserved	A	N/A	2.9	Y	Absent	8260(14)
L1206657-02C	Amber 1000ml unpreserved	A	7	2.9	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206657-02D	Amber 1000ml unpreserved	A	7	2.9	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206657-02E	Plastic 250ml HNO3 preserved	A	<2	2.9	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180),NA-TI(180)
L1206657-03A	Vial HCl preserved	A	N/A	2.9	Y	Absent	8260(14)
L1206657-03B	Vial HCl preserved	A	N/A	2.9	Y	Absent	8260(14)
L1206657-03C	Amber 1000ml unpreserved	A	7	2.9	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206657-03D	Amber 1000ml unpreserved	A	7	2.9	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206657-03E	Plastic 250ml HNO3 preserved	A	<2	2.9	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180),NA-TI(180)
L1206657-04A	Vial HCl preserved	C	N/A	2.6	Y	Absent	8260(14)
L1206657-04B	Vial HCl preserved	C	N/A	2.6	Y	Absent	8260(14)
L1206657-04C	Amber 1000ml unpreserved	C	7	2.6	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206657-04D	Amber 1000ml unpreserved	C	7	2.6	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206657-04E	Plastic 250ml HNO3 preserved	C	<2	2.6	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180),NA-TI(180)
L1206657-05A	Vial HCl preserved	C	N/A	2.6	Y	Absent	8260(14)
L1206657-05B	Vial HCl preserved	C	N/A	2.6	Y	Absent	8260(14)
L1206657-05C	Amber 1000ml unpreserved	C	7	2.6	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206657-05D	Amber 1000ml unpreserved	C	7	2.6	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206657-05E	Plastic 250ml HNO3 preserved	C	<2	2.6	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180),NA-TI(180)
L1206657-06A	Vial HCl preserved	B	N/A	3.4	Y	Absent	8260(14)
L1206657-06B	Vial HCl preserved	B	N/A	3.4	Y	Absent	8260(14)
L1206657-06C	Amber 1000ml unpreserved	B	7	3.4	Y	Absent	8270TCL(7),8270TCL-SIM(7)

*Values in parentheses indicate holding time in days

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206657
Report Date: 04/27/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1206657-06D	Amber 1000ml unpreserved	B	7	3.4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206657-06E	Plastic 250ml HNO3 preserved	B	<2	3.4	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180),NA-TI(180)
L1206657-07A	Vial HCl preserved	C	N/A	2.6	Y	Absent	8260(14)
L1206657-07B	Vial HCl preserved	C	N/A	2.6	Y	Absent	8260(14)
L1206657-07C	Amber 1000ml unpreserved	C	7	2.6	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206657-07D	Amber 1000ml unpreserved	C	7	2.6	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206657-07E	Plastic 250ml HNO3 preserved	C	<2	2.6	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180),NA-TI(180)
L1206657-08A	Vial HCl preserved	B	N/A	3.4	Y	Absent	8260(14)
L1206657-10A	Vial HCl preserved	B	N/A	3.4	Y	Absent	8260(14)
L1206657-10B	Vial HCl preserved	B	N/A	3.4	Y	Absent	8260(14)
L1206657-10C	Amber 1000ml unpreserved	B	7	3.4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206657-10D	Amber 1000ml unpreserved	B	7	3.4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206657-10E	Plastic 250ml HNO3 preserved	B	<2	3.4	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180),NA-TI(180)
L1206657-11A	Vial HCl preserved	B	N/A	3.4	Y	Absent	8260(14)
L1206657-11B	Vial HCl preserved	B	N/A	3.4	Y	Absent	8260(14)
L1206657-11C	Amber 1000ml unpreserved	B	7	3.4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206657-11D	Amber 1000ml unpreserved	B	7	3.4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206657-11E	Plastic 250ml HNO3 preserved	B	<2	3.4	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180),NA-TI(180)
L1206657-12A	Vial HCl preserved	B	N/A	3.4	Y	Absent	8260(14)
L1206657-12B	Vial HCl preserved	B	N/A	3.4	Y	Absent	8260(14)
L1206657-12C	Amber 1000ml unpreserved	B	7	3.4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206657-12D	Amber 1000ml unpreserved	B	7	3.4	Y	Absent	8270TCL(7),8270TCL-SIM(7)

*Values in parentheses indicate holding time in days

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206657
Report Date: 04/27/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1206657-12E	Plastic 250ml HNO3 preserved	B	<2	3.4	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180),NA-TI(180)
L1206657-13A	Vial HCl preserved	B	N/A	3.4	Y	Absent	8260(14)
L1206657-13B	Vial HCl preserved	B	N/A	3.4	Y	Absent	8260(14)
L1206657-13C	Amber 1000ml unpreserved	B	7	3.4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206657-13E	Plastic 250ml HNO3 preserved	B	<2	3.4	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180),NA-TI(180)
L1206657-14A	Vial H2SO4 preserved	A	N/A	2.9	Y	Absent	TOC-9060(28)
L1206657-14B	Vial H2SO4 preserved	A	N/A	2.9	Y	Absent	TOC-9060(28)
L1206657-14C	Plastic 250ml HNO3 preserved	A	<2	2.9	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT(180)
L1206657-14D	Plastic 250ml unpreserved	A	7	2.9	Y	Absent	NO3-4500(2)
L1206657-14E	Plastic 250ml NaOH preserved	A	>12	2.9	Y	Absent	TCN-9010(14)
L1206657-14F	Plastic 500ml H2SO4 preserved	A	<2	2.9	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1206657-14G	Plastic 250ml Zn Acetate/NaOH pr	B	>12	3.4	Y	Absent	SULFIDE-9030(7)
L1206657-14H	Plastic 250ml Zn Acetate/NaOH pr	A	>12	2.9	Y	Absent	SULFIDE-9030(7)
L1206657-14I	Plastic 250ml HNO3 preserved	B	<2	3.4	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT(180)
L1206657-14J	Plastic 500ml unpreserved	A	7	2.9	Y	Absent	-
L1206657-14X	Plastic 250ml HNO3 preserved spl	A	<2	2.9	Y	Absent	CU-6020S(180),MN-6020S(180),ZN-6020S(180),CR-6020S(180),FE-6020S(180),NI-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),AL-6020S(180),CD-6020S(180)
L1206657-15A	Vial H2SO4 preserved	B	N/A	3.4	Y	Absent	TOC-9060(28)
L1206657-15A1	Vial H2SO4 preserved	B	N/A	3.4	Y	Absent	TOC-9060(28)
L1206657-15A2	Vial H2SO4 preserved	B	N/A	3.4	Y	Absent	TOC-9060(28)
L1206657-15B	Vial H2SO4 preserved	B	N/A	3.4	Y	Absent	TOC-9060(28)

*Values in parentheses indicate holding time in days

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206657
Report Date: 04/27/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1206657-15C	Plastic 250ml HNO3 preserved	B	<2	3.4	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT(180)
L1206657-15D	Plastic 250ml unpreserved	B	7	3.4	Y	Absent	NO3-4500(2)
L1206657-15E	Plastic 250ml NaOH preserved	B	>12	3.4	Y	Absent	TCN-9010(14)
L1206657-15F	Plastic 500ml H2SO4 preserved	B	<2	3.4	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1206657-15F1	Plastic 500ml H2SO4 preserved	A	<2	2.9	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1206657-15F2	Plastic 500ml H2SO4 preserved	A	<2	2.9	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1206657-15G	Plastic 250ml Zn Acetate/NaOH pr	B	>12	3.4	Y	Absent	SULFIDE-9030(7)
L1206657-15G1	Plastic 250ml Zn Acetate/NaOH pr	B	>12	3.4	Y	Absent	SULFIDE-9030(7)
L1206657-15G2	Plastic 250ml Zn Acetate/NaOH pr	B	>12	3.4	Y	Absent	SULFIDE-9030(7)
L1206657-15G3	Plastic 250ml Zn Acetate/NaOH pr	B	>12	3.4	Y	Absent	SULFIDE-9030(7)
L1206657-15G4	Plastic 250ml Zn Acetate/NaOH pr	B	>12	3.4	Y	Absent	SULFIDE-9030(7)
L1206657-15H	Plastic 250ml Zn Acetate/NaOH pr	B	>12	3.4	Y	Absent	SULFIDE-9030(7)
L1206657-15I	Plastic 250ml HNO3 preserved	B	<2	3.4	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT(180)
L1206657-15J	Plastic 500ml unpreserved	B	7	3.4	Y	Absent	-
L1206657-15K	Plastic 250ml HNO3 preserved	B	<2	3.4	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT(180)
L1206657-15L	Plastic 250ml HNO3 preserved	B	<2	3.4	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT(180)
L1206657-15M	Plastic 250ml HNO3 preserved	B	<2	3.4	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT(180)

*Values in parentheses indicate holding time in days

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206657
Report Date: 04/27/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1206657-15N	Plastic 250ml HNO3 preserved	B	<2	3.4	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT(180)
L1206657-15O	Plastic 500ml unpreserved	B	7	3.4	Y	Absent	-
L1206657-15P	Plastic 500ml unpreserved	B	7	3.4	Y	Absent	-
L1206657-15Q	Plastic 500ml H2SO4 preserved	A	<2	2.9	Y	Absent	-
L1206657-15R	Plastic 500ml H2SO4 preserved	B	<2	3.4	Y	Absent	-
L1206657-15S	Plastic 250ml unpreserved	B	7	3.4	Y	Absent	NO3-4500(2)
L1206657-15T	Plastic 250ml unpreserved	B	7	3.4	Y	Absent	NO3-4500(2)
L1206657-15U	Plastic 250ml NaOH preserved	B	>12	3.4	Y	Absent	TCN-9010(14)
L1206657-15V	Plastic 250ml NaOH preserved	B	>12	3.4	Y	Absent	TCN-9010(14)
L1206657-15X	Plastic 250ml HNO3 preserved spl	B	<2	3.4	Y	Absent	CU-6020S(180),MN-6020S(180),ZN-6020S(180),CR-6020S(180),FE-6020S(180),NI-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),AL-6020S(180),CD-6020S(180)
L1206657-15Y	Plastic 250ml HNO3 preserved spl	B	<2	3.4	Y	Absent	CU-6020S(180),MN-6020S(180),ZN-6020S(180),CR-6020S(180),FE-6020S(180),NI-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),AL-6020S(180),CD-6020S(180)
L1206657-15Z	Plastic 250ml HNO3 preserved spl	B	<2	3.4	Y	Absent	CU-6020S(180),MN-6020S(180),ZN-6020S(180),CR-6020S(180),FE-6020S(180),NI-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),AL-6020S(180),CD-6020S(180)

*Values in parentheses indicate holding time in days

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1206657
Project Number:	CJI-1747	**Report Date:**	04/27/12

GLOSSARY

Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
M	- Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
NJ	- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: Data Usability Report

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1206657
Project Number:	CJI-1747	**Report Date:**	04/27/12

Data Qualifiers

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206657
Project Number: CJI-1747 **Report Date:** 04/27/12

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised January 30, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 8081, 8082, 8330, 8151A, 624, 8260, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014A, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1,

SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3550B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 6020A, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 1312, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE. Organic Parameters: EPA 3510C, 3005A, 3630C, 5030B, 625, 624, 608, 8081A, 8081B, 8082, 802A, 8151A, 8260B, 8270C, 8270D, 8330)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 3060A, 6010B, 6010C, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3546, 3580A, 3630C, 5035, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 3005A,3015,1312,6010B,6010C,SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X. Organic Parameters: EPA 8260B)

Solid & Hazardous Waste (Inorganic Parameters: EPA 3050B, 1311, 1312, 6010B, 6010C, 9030B, 9010B, 9012A, 9014. Organic Parameters: EPA 5035, 5030B, 8260B.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/17/12

ALPHA Job #: L1206657

Client Information

Client: Louis Berger Group
Address: 295 Promenade Street
Providence, RI
Phone: 401 521-5980
Fax:
Email: shogan@louisberger.com
☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Rose Hill Landfill
Project Location: South Kingstown, RI
Project #: CJI-1747
Project Manager: Chris Feeney
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)
Due Date: 4/24/12 Time:

Report Information / Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program | Criteria

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC-8260	SVOCs-8270	Total Metals										Sample Specific Comments	TOTAL # BOTTLES
6657 -01	MW-11S	4/17/12	8:35	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-01	MS (MW-11S)	4/17/12	8:35	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-01	MSD (MW-11S)	4/17/12	8:35	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-02	MW-11BR	4/17/12	9:10	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-03	MW-11DO	4/17/12	9:27	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-04	MW-6DO	4/17/12	11:01	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-05	Duplicate (MW-6DO)	4/17/12	11:01	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-06	MW-5S	4/17/12	11:59	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-07	Field Blank	4/17/12	12:00	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-08	Trip Blank	4/17/12	—	—	—	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
					Container Type	V	A	P	-	-	-	-	-	-	-	-	-		
					Preservative	B	A	C	-	-	-	-	-	-	-	-	-		

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	4/17/12 4:15	[illegible]	4/17/12 16:45
[illegible]	4/17/12 1745	[illegible]	4/17/12 17:4
[illegible]	4/17/12 1845	[illegible]	4/17/12 1845

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ)
(rev. 29-APR-09)

Serial_No:04271212.17

CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/17/12

ALPHA Job #: L1206657

Client Information

Client: Louis Berger Group
Address: 295 Promenade Street
Providence, RI
Phone: 401 521-5980
Fax:
Email: shogan@louisberger.com
☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Rose Hill Landfill
Project Location: South Kingstown, RI
Project #: CJI-1747
Project Manager: Chris Feeney
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)
Due Date: 4/26/12 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program | Criteria

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC-8260	SVOCs-8270	Total Metals										Sample Specific Comments	TOTAL # BOTTLES
1657 -09	MW-13S	4/17/12	2:35	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		5
-10	MW-07BR	4/17/12	1:31	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		5
-11	MW-07DO	4/17/12	1:20	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		5
-12	RES#11	4/17/12	1:55	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		5
-13	Duplicate (Res #11)	4/17/12	1:50	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	1 svoc broke	5
	~~Res#10~~	~~4/17/12~~		~~GW~~	~~SH~~	~~☒~~	~~☒~~	~~☒~~	☐	☐	☐	☐	☐	☐	☐	☐	☐		0
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		

Container Type	V	A	P	-	-	-	-	-	-	-	-	-
Preservative	B	A	C	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
	4/17/12 415	HCM	4/17/12 1605
HCM	4/17/12 1745		4/17/12 1732
	4/17/12 1845		4/17/12

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FORM NO: 01-01(I-NJ) (rev. 29-APR-09)

Serial_No:04271212:17

CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA
TEL: 508-822-9300
FAX: 508-822-3288

Date Rec'd in Lab: 4/17/12

ALPHA Job #: L1206653

Client Information

Client: Louis Berger Group
Address: 295 Promenade Street
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Phone: 401 521-5980
Fax:
Email: shogan@louisberger.com
☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Rose Hill Landfill
Project Location: South Kingstown, RI
Project #: CJI-1747
Project Manager: Chris Feeney
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)
Due Date: 4/24/12 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program | Criteria

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Sulfide	NH3, TPhos	TCN	TOC	NO3	Dissolved Metals	Total Metals	Hardness					Sample Specific Comments	TOTAL # BOTTLES
6657-14	SW-12	4/17/12	10:30	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		10
-15	SW-13	4/17/12	12:38	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		10
-15	MS (SW-13)	4/17/12	12:38	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		10
-15	MSD (SW-13)	4/17/12	12:38	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		10
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
					Container Type	P	P	P	V	P	P	P	P	-	-	-	-		
					Preservative	K	D	E	D	A	A	C	C	-	-	-	-		

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	4/17/12 4:30	[illegible]	4/17/12 1645
[illegible]	4/17/12 1745	[illegible]	4/17/12 1745
[illegible]	4/17/12 1840	[illegible]	4/17/12 1845

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ)
(rev. 29-APR-09)

Serial_No:04271212:17

CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
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Date Rec'd in Lab: 4/17/12

ALPHA Job #: L1206657

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Client: Louis Berger Group
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Providence, RI
Phone: 401 521-5980
Fax:
Email: shogan@louisberger.com
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Project #: CJI-1747
Project Manager: Chris Feeney
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)
Due Date: 4/24/12 Time:

Report Information

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program | Criteria

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC-8260	SVOCs-8270	Total Metals										Sample Specific Comments	Total # Bottles
6657 -01	MW-11S	4/17/12	8:35	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-01	MS (MW-11S)	4/17/12	8:35	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-01	MSD (MW-11S)	4/17/12	8:35	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-02	MW-11BR	4/17/12	9:10	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-03	MW-11DO	4/17/12	9:27	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-04	MW-6DO	4/17/12	11:01	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-05	Duplicate (MW-6DO)	4/17/12	11:01	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-06	MW-5S	4/17/12	11:59	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-07	Field Blank	4/17/12	12:00	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-08	Trip Blank	4/17/12	—	—	—	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
					Container Type	V	A	P	-	-	-	-	-	-	-	-	-		
					Preservative	B	A	C	-	-	-	-	-	-	-	-	-		

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	4/17/12 4:15	[illegible]	4/17/12 16:45
[illegible]	4/17/12 1745	[illegible]	4/17/12 17:4
[illegible]	4/17/12 1845	[illegible]	4/17/12 1845

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ)
(rev. 29-APR-09)

Serial_No:04271212:17

CHAIN OF CUSTODY

PAGE 2 OF 3

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/17/12

ALPHA Job #: L1206657

Client Information

Client: Louis Berger Group
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Providence, RI
Phone: 401 521-5980
Fax:
Email: shogan@louisberger.com
☐ These samples have been Previously analyzed by Alpha

Project Information

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Project Location: South Kingstown, RI
Project #: CJI-1747
Project Manager: Chris Feeney
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)
Due Date: 4/26/12 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program | Criteria

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

sample not submitted per SH 4-18-12 kob

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC-8260	SVOCs-8270	Total Metals										Sample Specific Comments	TOTAL # BOTTLES
1657 -09	MW-13S	4/17/12	2:35	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		5
-10	MW-07BR	4/17/12	1:30	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		5
-11	MW-07DO	4/17/12	1:20	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		5
-12	RES#11	4/17/12	1:55	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		5
-13	Duplicate (Res #11)	4/17/12	1:50	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	1 svoc broke	5
	~~Res#10~~	~~4/17/12~~		~~GW~~	~~SH~~	~~☒~~	~~☒~~	~~☒~~	☐	☐	☐	☐	☐	☐	☐	☐	☐		0
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		

Container Type	V	A	P	-	-	-	-	-	-	-	-	-	-
Preservative	B	A	C	-	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	4/17/12 415	[illegible]	4/17/12 1605
HCM	4/17/12 1745	[illegible]	4/17/12 1732
[illegible]	4/17/12 1845	[illegible]	4/17/12

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 29-APR-09)

Serial_No:04271212:17

CHAIN OF CUSTODY

Date Rec'd in Lab: 4/17/12

ALPHA Job #: L1206653

ALPHA ANALYTICAL

Westborough, MA
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: Louis Berger Group
Address: 295 Promenade Street
Providence, RI
Phone: 401 521-5980
Fax:
Email: shogan@louisberger.com
☐ These samples have been Previously analyzed by Alpha

Project Information

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Project Location: South Kingstown, RI
Project #: CJI-1747
Project Manager: Chris Feeney
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)
Due Date: 4/24/12 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program | Criteria

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Sulfide	NH3, TPhos	TCN	TOC	NO3	Dissolved Metals	Total Metals	Hardness					Sample Specific Comments	TOTAL # BOTTLES
6657-14	SW-12	4/17/12	10:30	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		10
-15	SW-13	4/17/12	12:38	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		10
-15	MS (SW-13)	4/17/12	12:38	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		10
-15	MSD (SW-13)	4/17/12	12:38	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		10
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
					Container Type	P	P	P	V	P	P	P	P	-	-	-	-		
					Preservative	K	D	E	D	A	A	C	C	-	-	-	-		

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	4/17/12 4:30	[illegible]	4/17/12 1645
[illegible]	4/17/12 1745	[illegible]	4/17/12 1745
[illegible]	4/17/12 1840	[illegible]	4/17/12 1845

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ)
(rev. 29-APR-09)

Serial_No:04271212:17

ANALYTICAL REPORT

Lab Number:	L1206743
Client:	Louis A. Berger & Associates 295 Promenade Street Providence, RI 02908
ATTN:	Chris Feeney
Phone:	(401) 521-5980
Project Name:	ROSE HILL LANDFILL
Project Number:	CJI-1747
Report Date:	05/01/12

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Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206743
Report Date: 05/01/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1206743-01	MW-4S	SOUTH KINGSTON, RI	04/18/12 09:05
L1206743-02	MW-4DO	SOUTH KINGSTON, RI	04/18/12 09:29
L1206743-03	MW-3BR	SOUTH KINGSTON, RI	04/18/12 10:29
L1206743-04	DUPLICATE (MW-3BR)	SOUTH KINGSTON, RI	04/18/12 10:29
L1206743-05	MW-3S	SOUTH KINGSTON, RI	04/18/12 11:06
L1206743-06	W-12S	SOUTH KINGSTON, RI	04/18/12 11:49
L1206743-07	MW-12DO	SOUTH KINGSTON, RI	04/18/12 12:19
L1206743-08	RES#7	SOUTH KINGSTON, RI	04/18/12 14:16
L1206743-09	FIELD BLANK	SOUTH KINGSTON, RI	04/18/12 00:00
L1206743-10	RES#12	SOUTH KINGSTON, RI	04/18/12 08:27
L1206743-11	RES#10	SOUTH KINGSTON, RI	04/18/12 14:27
L1206743-12	MW13S	SOUTH KINGSTON, RI	04/17/12 14:32
L1206743-13	SW-09	SOUTH KINGSTON, RI	04/18/12 09:39
L1206743-14	DUP (SW-09)	SOUTH KINGSTON, RI	04/18/12 09:39
L1206743-15	SW-17	SOUTH KINGSTON, RI	04/18/12 10:00
L1206743-16	SW-04	SOUTH KINGSTON, RI	04/18/12 12:00
L1206743-17	SW-2	SOUTH KINGSTON, RI	04/18/12 08:03
L1206743-18	SW-1	SOUTH KINGSTON, RI	04/18/12 08:16
L1206743-19	SW-06	SOUTH KINGSTON, RI	04/18/12 13:50
L1206743-20	FIELD BLANK (SW)	SOUTH KINGSTON, RI	04/18/12 00:00

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743
Project Number: CJI-1747 **Report Date:** 05/01/12

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743
Project Number: CJI-1747 **Report Date:** 05/01/12

Case Narrative (continued)

Semivolatile Organics

L1206743-01 through-12 and the associated method blank were evaluated for the presence of N,N-Dimethylformamide as a TIC and were determined to be non-detect.

Dissolved Metals

The WG531166-1 Method Blank, associated with L1206743-13 through -20, has a concentration above the reporting limit for Manganese. Since the associated sample concentrations are greater than 10x the blank concentration, or were non-detect for this target element, no qualification of the results was performed.

Total Metals

The WG531276-3 MS recovery for Iron (132%), performed on L1206743-02, does not apply because the sample concentration is greater than four times the spike amount added.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 05/01/12

ORGANICS

VOLATILES

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-01	Date Collected:	04/18/12 09:05
Client ID:	MW-4S	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	04/19/12 15:49		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID: L1206743-01 Date Collected: 04/18/12 09:05

Client ID: MW-4S Date Received: 04/18/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-01	Date Collected:	04/18/12 09:05
Client ID:	MW-4S	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	95		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-02	Date Collected:	04/18/12 09:29
Client ID:	MW-4DO	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	04/19/12 16:23		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	1.3		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	7.0		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID: L1206743-02 Date Collected: 04/18/12 09:29

Client ID: MW-4DO Date Received: 04/18/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	5.1		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-02	Date Collected:	04/18/12 09:29
Client ID:	MW-4DO	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	94		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-03	Date Collected:	04/18/12 10:29
Client ID:	MW-3BR	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	04/19/12 16:58		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID: L1206743-03 Date Collected: 04/18/12 10:29

Client ID: MW-3BR Date Received: 04/18/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-03	Date Collected:	04/18/12 10:29
Client ID:	MW-3BR	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	94		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-04	Date Collected:	04/18/12 10:29
Client ID:	DUPLICATE (MW-3BR)	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	04/19/12 17:32		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID: L1206743-04 Date Collected: 04/18/12 10:29

Client ID: DUPLICATE (MW-3BR) Date Received: 04/18/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-04	Date Collected:	04/18/12 10:29
Client ID:	DUPLICATE (MW-3BR)	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	93		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-05	Date Collected:	04/18/12 11:06
Client ID:	MW-3S	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	04/19/12 18:07		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID: L1206743-05 Date Collected: 04/18/12 11:06

Client ID: MW-3S Date Received: 04/18/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-05	Date Collected:	04/18/12 11:06
Client ID:	MW-3S	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	91		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-06	Date Collected:	04/18/12 11:49
Client ID:	W-12S	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	04/19/12 18:41		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	1.2		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID: L1206743-06 Date Collected: 04/18/12 11:49

Client ID: W-12S Date Received: 04/18/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-06	Date Collected:	04/18/12 11:49
Client ID:	W-12S	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	95		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-07	Date Collected:	04/18/12 12:19
Client ID:	MW-12DO	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	04/19/12 14:39		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID: L1206743-07 Date Collected: 04/18/12 12:19

Client ID: MW-12DO Date Received: 04/18/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-07	Date Collected:	04/18/12 12:19
Client ID:	MW-12DO	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	94		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-08	Date Collected:	04/18/12 14:16
Client ID:	RES#7	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	04/19/12 15:14		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID: L1206743-08 Date Collected: 04/18/12 14:16

Client ID: RES#7 Date Received: 04/18/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	1.7		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-08	Date Collected:	04/18/12 14:16
Client ID:	RES#7	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	94		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-09	Date Collected:	04/18/12 00:00
Client ID:	FIELD BLANK	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	04/19/12 17:39		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID: L1206743-09 Date Collected: 04/18/12 00:00

Client ID: FIELD BLANK Date Received: 04/18/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-09	Date Collected:	04/18/12 00:00
Client ID:	FIELD BLANK	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	94		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-10	Date Collected:	04/18/12 08:27
Client ID:	RES#12	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	04/19/12 18:14		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID: L1206743-10 Date Collected: 04/18/12 08:27

Client ID: RES#12 Date Received: 04/18/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-10	Date Collected:	04/18/12 08:27
Client ID:	RES#12	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	94		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-11	Date Collected:	04/18/12 14:27
Client ID:	RES#10	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	04/19/12 18:50		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID: L1206743-11 Date Collected: 04/18/12 14:27

Client ID: RES#10 Date Received: 04/18/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-11	Date Collected:	04/18/12 14:27
Client ID:	RES#10	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	95		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-12	Date Collected:	04/17/12 14:32
Client ID:	MW13S	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	04/19/12 19:25		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID: L1206743-12 Date Collected: 04/17/12 14:32

Client ID: MW13S Date Received: 04/18/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-12	Date Collected:	04/17/12 14:32
Client ID:	MW13S	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	95		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 04/19/12 09:57
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-12 Batch: WG530496-3					
Methylene chloride	ND		ug/l	3.0	--
1,1-Dichloroethane	ND		ug/l	0.75	--
Chloroform	ND		ug/l	0.75	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.8	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	0.75	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	0.50	--
Trichlorofluoromethane	ND		ug/l	2.5	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.5	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	0.75	--
Ethylbenzene	ND		ug/l	0.50	--
Chloromethane	ND		ug/l	2.5	--
Bromomethane	ND		ug/l	1.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	1.0	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	0.75	--
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--
1,4-Dichlorobenzene	ND		ug/l	2.5	--

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 04/19/12 09:57
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-12 Batch: WG530496-3					
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	5.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.5	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.5	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.50	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	2.5	--
n-Propylbenzene	ND		ug/l	0.50	--

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 04/19/12 09:57
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-12 Batch: WG530496-3					
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
Ethyl ether	ND		ug/l	2.5	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	94		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 04/19/12 11:12
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG530501-3					
Methylene chloride	ND		ug/l	3.0	--
1,1-Dichloroethane	ND		ug/l	0.75	--
Chloroform	ND		ug/l	0.75	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.8	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	0.75	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	0.50	--
Trichlorofluoromethane	ND		ug/l	2.5	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.5	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	0.75	--
Ethylbenzene	ND		ug/l	0.50	--
Chloromethane	ND		ug/l	2.5	--
Bromomethane	ND		ug/l	1.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	1.0	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	0.75	--
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--
1,4-Dichlorobenzene	ND		ug/l	2.5	--

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 04/19/12 11:12
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG530501-3					
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	5.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.5	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.5	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.50	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	2.5	--
n-Propylbenzene	ND		ug/l	0.50	--

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 04/19/12 11:12
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG530501-3					
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
Ethyl ether	ND		ug/l	2.5	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	93		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206743
Report Date: 05/01/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-12 Batch: WG530496-1 WG530496-2								
Methylene chloride	95		92		70-130	3		20
1,1-Dichloroethane	88		84		70-130	5		20
Chloroform	90		89		70-130	1		20
Carbon tetrachloride	99		97		63-132	2		20
1,2-Dichloropropane	90		88		70-130	2		20
Dibromochloromethane	93		95		63-130	2		20
1,1,2-Trichloroethane	93		94		70-130	1		20
Tetrachloroethene	93		90		70-130	3		20
Chlorobenzene	93		89		75-130	4		25
Trichlorofluoromethane	107		107		62-150	0		20
1,2-Dichloroethane	91		91		70-130	0		20
1,1,1-Trichloroethane	94		92		67-130	2		20
Bromodichloromethane	92		91		67-130	1		20
trans-1,3-Dichloropropene	95		95		70-130	0		20
cis-1,3-Dichloropropene	92		91		70-130	1		20
1,1-Dichloropropene	98		94		70-130	4		20
Bromoform	98		101		54-136	3		20
1,1,2,2-Tetrachloroethane	95		98		67-130	3		20
Benzene	86		83		70-130	4		25
Toluene	90		86		70-130	5		25
Ethylbenzene	94		91		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206743
Report Date: 05/01/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-12 Batch: WG530496-1 WG530496-2								
Chloromethane	67		68		64-130	1		20
Bromomethane	70		79		39-139	12		20
Vinyl chloride	98		93		55-140	5		20
Chloroethane	86		78		55-138	10		20
1,1-Dichloroethene	95		89		61-145	7		25
trans-1,2-Dichloroethene	90		84		70-130	7		20
Trichloroethene	86		83		70-130	4		25
1,2-Dichlorobenzene	97		95		70-130	2		20
1,3-Dichlorobenzene	98		94		70-130	4		20
1,4-Dichlorobenzene	96		93		70-130	3		20
Methyl tert butyl ether	85		88		63-130	3		20
p/m-Xylene	96		92		70-130	4		20
o-Xylene	98		94		70-130	4		20
cis-1,2-Dichloroethene	90		88		70-130	2		20
Dibromomethane	93		95		70-130	2		20
1,2,3-Trichloropropane	91		96		64-130	5		20
Styrene	97		95		70-130	2		20
Dichlorodifluoromethane	95		91		36-147	4		20
Acetone	95		98		58-148	3		20
Carbon disulfide	94		85		51-130	10		20
2-Butanone	76		81		63-138	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1206743
Report Date: 05/01/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-12 Batch: WG530496-1 WG530496-2								
4-Methyl-2-pentanone	78		85		59-130	9		20
2-Hexanone	78		84		57-130	7		20
Bromochloromethane	105		106		70-130	1		20
Tetrahydrofuran	72		75		58-130	4		20
2,2-Dichloropropane	105		101		63-133	4		20
1,2-Dibromoethane	92		94		70-130	2		20
1,3-Dichloropropane	92		94		70-130	2		20
1,1,1,2-Tetrachloroethane	103		102		64-130	1		20
Bromobenzene	104		102		70-130	2		20
n-Butylbenzene	87		80		53-136	8		20
sec-Butylbenzene	106		98		70-130	8		20
tert-Butylbenzene	105		98		70-130	7		20
o-Chlorotoluene	103		99		70-130	4		20
p-Chlorotoluene	102		98		70-130	4		20
1,2-Dibromo-3-chloropropane	85		79		41-144	7		20
Hexachlorobutadiene	110		102		63-130	8		20
Isopropylbenzene	109		104		70-130	5		20
p-Isopropyltoluene	98		90		70-130	9		20
Naphthalene	**62**	Q	**65**	Q	70-130	5		20
n-Propylbenzene	105		100		69-130	5		20
1,2,3-Trichlorobenzene	72		**69**	Q	70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206743
Report Date: 05/01/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-12 Batch: WG530496-1 WG530496-2								
1,2,4-Trichlorobenzene	78		74		70-130	5		20
1,3,5-Trimethylbenzene	100		94		64-130	6		20
1,2,4-Trimethylbenzene	89		84		70-130	6		20
Ethyl ether	117		119		59-134	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		92		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	101		102		70-130
Dibromofluoromethane	98		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206743
Report Date: 05/01/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG530501-1 WG530501-2								
Methylene chloride	94		78		70-130	19		20
1,1-Dichloroethane	98		79		70-130	**21**	Q	20
Chloroform	99		80		70-130	**21**	Q	20
Carbon tetrachloride	88		76		63-132	15		20
1,2-Dichloropropane	104		84		70-130	**21**	Q	20
Dibromochloromethane	104		84		63-130	**21**	Q	20
1,1,2-Trichloroethane	115		94		70-130	20		20
Tetrachloroethene	106		88		70-130	19		20
Chlorobenzene	104		84		75-130	21		25
Trichlorofluoromethane	99		78		62-150	**24**	Q	20
1,2-Dichloroethane	100		79		70-130	**23**	Q	20
1,1,1-Trichloroethane	90		78		67-130	14		20
Bromodichloromethane	95		77		67-130	**21**	Q	20
trans-1,3-Dichloropropene	100		82		70-130	20		20
cis-1,3-Dichloropropene	91		76		70-130	18		20
1,1-Dichloropropene	89		72		70-130	**21**	Q	20
Bromoform	108		84		54-136	**25**	Q	20
1,1,2,2-Tetrachloroethane	118		91		67-130	**26**	Q	20
Benzene	96		79		70-130	19		25
Toluene	101		82		70-130	21		25
Ethylbenzene	110		89		70-130	**21**	Q	20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206743
Report Date: 05/01/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG530501-1 WG530501-2								
Chloromethane	76		66		64-130	14		20
Bromomethane	85		82		39-139	4		20
Vinyl chloride	89		71		55-140	**23**	Q	20
Chloroethane	82		62		55-138	**28**	Q	20
1,1-Dichloroethene	94		77		61-145	20		25
trans-1,2-Dichloroethene	90		74		70-130	20		20
Trichloroethene	97		79		70-130	20		25
1,2-Dichlorobenzene	114		91		70-130	**22**	Q	20
1,3-Dichlorobenzene	115		92		70-130	**22**	Q	20
1,4-Dichlorobenzene	113		88		70-130	**25**	Q	20
Methyl tert butyl ether	98		77		63-130	**24**	Q	20
p/m-Xylene	109		87		70-130	**22**	Q	20
o-Xylene	118		94		70-130	**23**	Q	20
cis-1,2-Dichloroethene	98		78		70-130	**23**	Q	20
Dibromomethane	103		83		70-130	**22**	Q	20
1,2,3-Trichloropropane	117		91		64-130	**25**	Q	20
Styrene	117		92		70-130	**24**	Q	20
Dichlorodifluoromethane	68		56		36-147	19		20
Acetone	118		92		58-148	**25**	Q	20
Carbon disulfide	67		**50**	Q	51-130	**29**	Q	20
2-Butanone	103		74		63-138	**33**	Q	20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206743
Report Date: 05/01/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG530501-1 WG530501-2								
4-Methyl-2-pentanone	104		74		59-130	**34**	Q	20
2-Hexanone	118		84		57-130	**34**	Q	20
Bromochloromethane	102		82		70-130	**22**	Q	20
Tetrahydrofuran	102		75		58-130	**31**	Q	20
2,2-Dichloropropane	94		86		63-133	9		20
1,2-Dibromoethane	109		83		70-130	**27**	Q	20
1,3-Dichloropropane	116		91		70-130	**24**	Q	20
1,1,1,2-Tetrachloroethane	103		82		64-130	**23**	Q	20
Bromobenzene	119		96		70-130	**21**	Q	20
n-Butylbenzene	114		89		53-136	**25**	Q	20
sec-Butylbenzene	112		89		70-130	**23**	Q	20
tert-Butylbenzene	107		84		70-130	**24**	Q	20
o-Chlorotoluene	110		89		70-130	**21**	Q	20
p-Chlorotoluene	112		90		70-130	**22**	Q	20
1,2-Dibromo-3-chloropropane	104		76		41-144	**31**	Q	20
Hexachlorobutadiene	106		89		63-130	17		20
Isopropylbenzene	102		81		70-130	**23**	Q	20
p-Isopropyltoluene	117		93		70-130	**23**	Q	20
Naphthalene	114		91		70-130	**22**	Q	20
n-Propylbenzene	103		80		69-130	**25**	Q	20
1,2,3-Trichlorobenzene	113		91		70-130	**22**	Q	20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1206743

Report Date: 05/01/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG530501-1 WG530501-2								
1,2,4-Trichlorobenzene	118		93		70-130	**24**	Q	20
1,3,5-Trimethylbenzene	108		86		64-130	**23**	Q	20
1,2,4-Trimethylbenzene	116		92		70-130	**23**	Q	20
Ethyl ether	100		76		59-134	**27**	Q	20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		91		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	100		97		70-130
Dibromofluoromethane	93		93		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206743
Report Date: 05/01/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG530501-4 WG530501-5 QC Sample: L1206743-02 Client ID: MW-4DO												
Methylene chloride	ND	10	9.2	92		8.9	89		70-130	3		20
1,1-Dichloroethane	1.3	10	11	96		10	89		70-130	10		20
Chloroform	ND	10	9.4	94		8.9	89		70-130	5		20
Carbon tetrachloride	ND	10	8.7	87		8.3	83		63-132	5		20
1,2-Dichloropropane	ND	10	9.5	95		9.4	94		70-130	1		20
Dibromochloromethane	ND	10	8.4	84		8.4	84		63-130	0		20
1,1,2-Trichloroethane	ND	10	9.2	92		9.3	93		70-130	1		20
Tetrachloroethene	ND	10	8.9	89		8.2	82		70-130	8		20
Chlorobenzene	ND	10	8.7	87		8.2	82		75-130	6		25
Trichlorofluoromethane	ND	10	9.4	94		8.5	85		62-150	10		20
1,2-Dichloroethane	ND	10	9.1	91		8.9	89		70-130	2		20
1,1,1-Trichloroethane	ND	10	8.9	90		8.4	84		67-130	6		20
Bromodichloromethane	ND	10	8.4	84		8.2	82		67-130	2		20
trans-1,3-Dichloropropene	ND	10	7.9	79		8.1	81		70-130	2		20
cis-1,3-Dichloropropene	ND	10	7.8	78		7.8	78		70-130	0		20
1,1-Dichloropropene	ND	10	8.5	85		7.6	76		70-130	11		20
Bromoform	ND	10	8.4	84		8.7	87		54-136	4		20
1,1,2,2-Tetrachloroethane	ND	10	9.2	92		9.6	96		67-130	4		20
Benzene	ND	10	9.6	96		9.0	90		70-130	6		25
Toluene	ND	10	8.6	86		8.2	82		70-130	5		25
Ethylbenzene	ND	10	9.2	92		8.5	85		70-130	8		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206743
Report Date: 05/01/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG530501-4 WG530501-5 QC Sample: L1206743-02 Client ID: MW-4DO												
Chloromethane	ND	10	7.5	76		8.6	86		64-130	14		20
Bromomethane	ND	10	9.2	93		10	101		39-139	8		20
Vinyl chloride	7.0	10	16	88		14	76		55-140	13		20
Chloroethane	ND	10	11	108		10	100		55-138	10		20
1,1-Dichloroethene	ND	10	9.1	91		8.5	85		61-145	7		25
trans-1,2-Dichloroethene	ND	10	8.8	88		8.3	83		70-130	6		20
Trichloroethene	ND	10	8.8	88		8.1	81		70-130	8		25
1,2-Dichlorobenzene	ND	10	8.8	88		8.6	86		70-130	2		20
1,3-Dichlorobenzene	ND	10	9.0	90		8.6	86		70-130	5		20
1,4-Dichlorobenzene	ND	10	8.8	87		8.5	83		70-130	3		20
Methyl tert butyl ether	ND	10	8.6	86		9.2	93		63-130	7		20
p/m-Xylene	ND	20	18	90		16	83		70-130	12		20
o-Xylene	ND	20	19	96		18	91		70-130	5		20
cis-1,2-Dichloroethene	5.1	10	14	90		14	86		70-130	0		20
Dibromomethane	ND	10	9.4	94		8.9	89		70-130	5		20
1,2,3-Trichloropropane	ND	10	9.2	92		9.3	93		64-130	1		20
Styrene	ND	20	19	94		18	89		70-130	5		20
Dichlorodifluoromethane	ND	10	6.2	62		5.5	55		36-147	12		20
Acetone	ND	10	9.4	94		9.9	99		58-148	5		20
Carbon disulfide	ND	10	6.4	64		5.9	59		51-130	8		20
2-Butanone	ND	10	7.5	75		8.1	81		63-138	8		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206743
Report Date: 05/01/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG530501-4 WG530501-5 QC Sample: L1206743-02 Client ID: MW-4DO												
4-Methyl-2-pentanone	ND	10	7.8	79		8.4	84		59-130	7		20
2-Hexanone	ND	10	8.8	88		9.0	90		57-130	2		20
Bromochloromethane	ND	10	9.3	93		9.4	94		70-130	1		20
Tetrahydrofuran	ND	10	9.1	83		9.9	90		58-130	8		20
2,2-Dichloropropane	ND	10	7.9	79		7.8	78		63-133	1		20
1,2-Dibromoethane	ND	10	8.4	84		8.6	86		70-130	2		20
1,3-Dichloropropane	ND	10	9.3	93		9.2	92		70-130	1		20
1,1,1,2-Tetrachloroethane	ND	10	8.6	86		8.3	83		64-130	4		20
Bromobenzene	ND	10	9.3	94		9.0	90		70-130	3		20
n-Butylbenzene	ND	10	8.7	87		8.1	81		53-136	7		20
sec-Butylbenzene	ND	10	8.8	88		8.2	82		70-130	7		20
tert-Butylbenzene	ND	10	8.4	85		7.8	78		70-130	7		20
o-Chlorotoluene	ND	10	9.0	91		8.3	83		70-130	8		20
p-Chlorotoluene	ND	10	8.7	87		8.4	84		70-130	4		20
1,2-Dibromo-3-chloropropane	ND	10	7.7	78		8.7	87		41-144	12		20
Hexachlorobutadiene	ND	10	7.6	76		7.4	74		63-130	3		20
Isopropylbenzene	ND	10	8.4	84		7.8	78		70-130	7		20
p-Isopropyltoluene	ND	10	9.1	91		8.6	86		70-130	6		20
Naphthalene	ND	10	8.4	84		9.1	91		70-130	8		20
n-Propylbenzene	ND	10	8.0	80		7.3	73		69-130	9		20
1,2,3-Trichlorobenzene	ND	10	8.3	83		8.6	86		70-130	4		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1206743
Report Date: 05/01/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG530501-4 WG530501-5 QC Sample: L1206743-02 Client ID: MW-4DO												
1,2,4-Trichlorobenzene	ND	10	8.5	85		8.6	86		70-130	1		20
1,3,5-Trimethylbenzene	ND	10	8.5	85		8.0	80		64-130	6		20
1,2,4-Trimethylbenzene	ND	10	9.1	91		8.5	85		70-130	7		20
Ethyl ether	ND	10	9.7	97		9.8	98		59-134	1		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		99		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	99		99		70-130
Toluene-d8	101		100		70-130

SEMIVOLATILES

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-01	Date Collected:	04/18/12 09:05
Client ID:	MW-4S	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/19/12 11:00
Analytical Date:	04/24/12 01:43		
Analyst:	HL		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Chrysene	ND		ug/l	2.0	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID: L1206743-01 Date Collected: 04/18/12 09:05

Client ID: MW-4S Date Received: 04/18/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	32		21-120
Phenol-d6	20		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	58		15-120
2,4,6-Tribromophenol	58		10-120
4-Terphenyl-d14	79		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-01	Date Collected:	04/18/12 09:05
Client ID:	MW-4S	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/19/12 11:00
Analytical Date:	04/26/12 01:39		
Analyst:	JC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		21-120
Phenol-d6	22		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	56		15-120
2,4,6-Tribromophenol	49		10-120
4-Terphenyl-d14	82		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-02	Date Collected:	04/18/12 09:29
Client ID:	MW-4DO	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/19/12 11:00
Analytical Date:	04/24/12 02:08		
Analyst:	HL		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Chrysene	ND		ug/l	2.0	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID: L1206743-02 Date Collected: 04/18/12 09:29

Client ID: MW-4DO Date Received: 04/18/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	56		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	79		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-02	Date Collected:	04/18/12 09:29
Client ID:	MW-4DO	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/19/12 11:00
Analytical Date:	04/26/12 02:05		
Analyst:	JC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	54		15-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	82		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-03	Date Collected:	04/18/12 10:29
Client ID:	MW-3BR	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/19/12 11:00
Analytical Date:	04/24/12 02:33		
Analyst:	HL		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	1.9	--	1
Benzidine	ND		ug/l	19	--	1
1,2,4-Trichlorobenzene	ND		ug/l	4.8	--	1
Bis(2-chloroethyl)ether	ND		ug/l	1.9	--	1
2-Chloronaphthalene	ND		ug/l	1.9	--	1
1,2-Dichlorobenzene	ND		ug/l	1.9	--	1
1,3-Dichlorobenzene	ND		ug/l	1.9	--	1
1,4-Dichlorobenzene	ND		ug/l	1.9	--	1
3,3'-Dichlorobenzidine	ND		ug/l	4.8	--	1
2,4-Dinitrotoluene	ND		ug/l	4.8	--	1
2,6-Dinitrotoluene	ND		ug/l	4.8	--	1
Azobenzene	ND		ug/l	1.9	--	1
Fluoranthene	ND		ug/l	1.9	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	1.9	--	1
4-Bromophenyl phenyl ether	ND		ug/l	1.9	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	1.9	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	4.8	--	1
Hexachlorocyclopentadiene	ND		ug/l	19	--	1
Hexachloroethane	ND		ug/l	1.9	--	1
Isophorone	ND		ug/l	4.8	--	1
Naphthalene	ND		ug/l	1.9	--	1
Nitrobenzene	ND		ug/l	1.9	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	1.9	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	4.8	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	2.9	--	1
Butyl benzyl phthalate	ND		ug/l	4.8	--	1
Di-n-butylphthalate	ND		ug/l	4.8	--	1
Di-n-octylphthalate	ND		ug/l	4.8	--	1
Diethyl phthalate	ND		ug/l	4.8	--	1
Dimethyl phthalate	ND		ug/l	4.8	--	1
Chrysene	ND		ug/l	1.9	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID: L1206743-03 Date Collected: 04/18/12 10:29

Client ID: MW-3BR Date Received: 04/18/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	1.9	--	1
Anthracene	ND		ug/l	1.9	--	1
Benzo(ghi)perylene	ND		ug/l	1.9	--	1
Fluorene	ND		ug/l	1.9	--	1
Phenanthrene	ND		ug/l	1.9	--	1
Dibenzo(a,h)anthracene	ND		ug/l	1.9	--	1
Pyrene	ND		ug/l	1.9	--	1
Aniline	ND		ug/l	1.9	--	1
4-Chloroaniline	ND		ug/l	4.8	--	1
2-Nitroaniline	ND		ug/l	4.8	--	1
3-Nitroaniline	ND		ug/l	4.8	--	1
4-Nitroaniline	ND		ug/l	4.8	--	1
Dibenzofuran	ND		ug/l	1.9	--	1
2-Methylnaphthalene	ND		ug/l	1.9	--	1
n-Nitrosodimethylamine	ND		ug/l	1.9	--	1
2,4,6-Trichlorophenol	ND		ug/l	4.8	--	1
P-Chloro-M-Cresol	ND		ug/l	1.9	--	1
2-Chlorophenol	ND		ug/l	1.9	--	1
2,4-Dichlorophenol	ND		ug/l	4.8	--	1
2,4-Dimethylphenol	ND		ug/l	4.8	--	1
2-Nitrophenol	ND		ug/l	9.6	--	1
4-Nitrophenol	ND		ug/l	9.6	--	1
2,4-Dinitrophenol	ND		ug/l	19	--	1
4,6-Dinitro-o-cresol	ND		ug/l	9.6	--	1
Phenol	ND		ug/l	4.8	--	1
2-Methylphenol	ND		ug/l	4.8	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	4.8	--	1
2,4,5-Trichlorophenol	ND		ug/l	4.8	--	1
Benzyl Alcohol	ND		ug/l	1.9	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	77		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-03	Date Collected:	04/18/12 10:29
Client ID:	MW-3BR	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/19/12 11:00
Analytical Date:	04/26/12 03:26		
Analyst:	JC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.48	--	1
Benzo(a)anthracene	ND		ug/l	0.19	--	1
Benzo(a)pyrene	ND		ug/l	0.19	--	1
Benzo(b)fluoranthene	ND		ug/l	0.19	--	1
Benzo(k)fluoranthene	ND		ug/l	0.19	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.19	--	1
Pentachlorophenol	ND		ug/l	0.77	--	1
Hexachlorobenzene	ND		ug/l	0.77	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	57		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	77		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-04	Date Collected:	04/18/12 10:29
Client ID:	DUPLICATE (MW-3BR)	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/19/12 11:00
Analytical Date:	04/24/12 02:58		
Analyst:	HL		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Chrysene	ND		ug/l	2.0	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID: L1206743-04 Date Collected: 04/18/12 10:29

Client ID: DUPLICATE (MW-3BR) Date Received: 04/18/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	60		15-120
2,4,6-Tribromophenol	95		10-120
4-Terphenyl-d14	83		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-04	Date Collected:	04/18/12 10:29
Client ID:	DUPLICATE (MW-3BR)	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/19/12 11:00
Analytical Date:	04/26/12 03:52		
Analyst:	JC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	94		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-05	Date Collected:	04/18/12 11:06
Client ID:	MW-3S	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/19/12 11:00
Analytical Date:	04/24/12 03:23		
Analyst:	HL		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Chrysene	ND		ug/l	2.0	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID: L1206743-05 Date Collected: 04/18/12 11:06

Client ID: MW-3S Date Received: 04/18/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	83		10-120
4-Terphenyl-d14	79		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-05	Date Collected:	04/18/12 11:06
Client ID:	MW-3S	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/19/12 11:00
Analytical Date:	04/26/12 04:19		
Analyst:	JC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	82		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-06	Date Collected:	04/18/12 11:49
Client ID:	W-12S	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/19/12 11:00
Analytical Date:	04/24/12 03:48		
Analyst:	HL		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Chrysene	ND		ug/l	2.0	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID: L1206743-06 Date Collected: 04/18/12 11:49

Client ID: W-12S Date Received: 04/18/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	55		15-120
2,4,6-Tribromophenol	85		10-120
4-Terphenyl-d14	78		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-06	Date Collected:	04/18/12 11:49
Client ID:	W-12S	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/19/12 11:00
Analytical Date:	04/26/12 04:46		
Analyst:	JC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	61		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	90		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-07	Date Collected:	04/18/12 12:19
Client ID:	MW-12DO	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/19/12 11:00
Analytical Date:	04/24/12 04:13		
Analyst:	HL		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Chrysene	ND		ug/l	2.0	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID: L1206743-07 Date Collected: 04/18/12 12:19

Client ID: MW-12DO Date Received: 04/18/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	25		21-120
Phenol-d6	16		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	88		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-07	Date Collected:	04/18/12 12:19
Client ID:	MW-12DO	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/19/12 11:00
Analytical Date:	04/26/12 05:13		
Analyst:	JC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	23		21-120
Phenol-d6	15		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	57		15-120
2,4,6-Tribromophenol	64		10-120
4-Terphenyl-d14	79		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-08	Date Collected:	04/18/12 14:16
Client ID:	RES#7	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/19/12 11:00
Analytical Date:	04/24/12 04:38		
Analyst:	HL		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Chrysene	ND		ug/l	2.0	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID: L1206743-08 Date Collected: 04/18/12 14:16

Client ID: RES#7 Date Received: 04/18/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	53		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	78		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-08	Date Collected:	04/18/12 14:16
Client ID:	RES#7	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/19/12 11:00
Analytical Date:	04/26/12 05:40		
Analyst:	JC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	55		15-120
2,4,6-Tribromophenol	65		10-120
4-Terphenyl-d14	82		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-09	Date Collected:	04/18/12 00:00
Client ID:	FIELD BLANK	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/19/12 13:58
Analytical Date:	04/24/12 05:03		
Analyst:	HL		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	1.9	--	1
Benzidine	ND		ug/l	19	--	1
1,2,4-Trichlorobenzene	ND		ug/l	4.8	--	1
Bis(2-chloroethyl)ether	ND		ug/l	1.9	--	1
2-Chloronaphthalene	ND		ug/l	1.9	--	1
1,2-Dichlorobenzene	ND		ug/l	1.9	--	1
1,3-Dichlorobenzene	ND		ug/l	1.9	--	1
1,4-Dichlorobenzene	ND		ug/l	1.9	--	1
3,3'-Dichlorobenzidine	ND		ug/l	4.8	--	1
2,4-Dinitrotoluene	ND		ug/l	4.8	--	1
2,6-Dinitrotoluene	ND		ug/l	4.8	--	1
Azobenzene	ND		ug/l	1.9	--	1
Fluoranthene	ND		ug/l	1.9	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	1.9	--	1
4-Bromophenyl phenyl ether	ND		ug/l	1.9	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	1.9	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	4.8	--	1
Hexachlorocyclopentadiene	ND		ug/l	19	--	1
Hexachloroethane	ND		ug/l	1.9	--	1
Isophorone	ND		ug/l	4.8	--	1
Naphthalene	ND		ug/l	1.9	--	1
Nitrobenzene	ND		ug/l	1.9	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	1.9	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	4.8	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	2.9	--	1
Butyl benzyl phthalate	ND		ug/l	4.8	--	1
Di-n-butylphthalate	ND		ug/l	4.8	--	1
Di-n-octylphthalate	ND		ug/l	4.8	--	1
Diethyl phthalate	ND		ug/l	4.8	--	1
Dimethyl phthalate	ND		ug/l	4.8	--	1
Chrysene	ND		ug/l	1.9	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID: L1206743-09 Date Collected: 04/18/12 00:00

Client ID: FIELD BLANK Date Received: 04/18/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	1.9	--	1
Anthracene	ND		ug/l	1.9	--	1
Benzo(ghi)perylene	ND		ug/l	1.9	--	1
Fluorene	ND		ug/l	1.9	--	1
Phenanthrene	ND		ug/l	1.9	--	1
Dibenzo(a,h)anthracene	ND		ug/l	1.9	--	1
Pyrene	ND		ug/l	1.9	--	1
Aniline	ND		ug/l	1.9	--	1
4-Chloroaniline	ND		ug/l	4.8	--	1
2-Nitroaniline	ND		ug/l	4.8	--	1
3-Nitroaniline	ND		ug/l	4.8	--	1
4-Nitroaniline	ND		ug/l	4.8	--	1
Dibenzofuran	ND		ug/l	1.9	--	1
2-Methylnaphthalene	ND		ug/l	1.9	--	1
n-Nitrosodimethylamine	ND		ug/l	1.9	--	1
2,4,6-Trichlorophenol	ND		ug/l	4.8	--	1
P-Chloro-M-Cresol	ND		ug/l	1.9	--	1
2-Chlorophenol	ND		ug/l	1.9	--	1
2,4-Dichlorophenol	ND		ug/l	4.8	--	1
2,4-Dimethylphenol	ND		ug/l	4.8	--	1
2-Nitrophenol	ND		ug/l	9.6	--	1
4-Nitrophenol	ND		ug/l	9.6	--	1
2,4-Dinitrophenol	ND		ug/l	19	--	1
4,6-Dinitro-o-cresol	ND		ug/l	9.6	--	1
Phenol	ND		ug/l	4.8	--	1
2-Methylphenol	ND		ug/l	4.8	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	4.8	--	1
2,4,5-Trichlorophenol	ND		ug/l	4.8	--	1
Benzyl Alcohol	ND		ug/l	1.9	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	35		23-120
2-Fluorobiphenyl	39		15-120
2,4,6-Tribromophenol	64		10-120
4-Terphenyl-d14	74		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-09	Date Collected:	04/18/12 00:00
Client ID:	FIELD BLANK	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/19/12 13:58
Analytical Date:	04/26/12 06:06		
Analyst:	JC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.48	--	1
Benzo(a)anthracene	ND		ug/l	0.19	--	1
Benzo(a)pyrene	ND		ug/l	0.19	--	1
Benzo(b)fluoranthene	ND		ug/l	0.19	--	1
Benzo(k)fluoranthene	ND		ug/l	0.19	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.19	--	1
Pentachlorophenol	ND		ug/l	0.77	--	1
Hexachlorobenzene	ND		ug/l	0.77	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	28		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	40		23-120
2-Fluorobiphenyl	41		15-120
2,4,6-Tribromophenol	52		10-120
4-Terphenyl-d14	78		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-10	Date Collected:	04/18/12 08:27
Client ID:	RES#12	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/19/12 13:58
Analytical Date:	04/24/12 05:28		
Analyst:	HL		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Chrysene	ND		ug/l	2.0	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID: L1206743-10 Date Collected: 04/18/12 08:27

Client ID: RES#12 Date Received: 04/18/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		21-120
Phenol-d6	22		10-120
Nitrobenzene-d5	39		23-120
2-Fluorobiphenyl	44		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	79		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-10	Date Collected:	04/18/12 08:27
Client ID:	RES#12	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/19/12 13:58
Analytical Date:	04/26/12 06:33		
Analyst:	JC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	32		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	46		23-120
2-Fluorobiphenyl	48		15-120
2,4,6-Tribromophenol	72		10-120
4-Terphenyl-d14	89		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-11	Date Collected:	04/18/12 14:27
Client ID:	RES#10	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/19/12 13:58
Analytical Date:	04/24/12 05:53		
Analyst:	HL		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Chrysene	ND		ug/l	2.0	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID: L1206743-11 Date Collected: 04/18/12 14:27

Client ID: RES#10 Date Received: 04/18/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	28		21-120
Phenol-d6	22		10-120
Nitrobenzene-d5	41		23-120
2-Fluorobiphenyl	44		15-120
2,4,6-Tribromophenol	52		10-120
4-Terphenyl-d14	81		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-11	Date Collected:	04/18/12 14:27
Client ID:	RES#10	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/19/12 13:58
Analytical Date:	04/26/12 06:59		
Analyst:	JC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	27		21-120
Phenol-d6	22		10-120
Nitrobenzene-d5	48		23-120
2-Fluorobiphenyl	42		15-120
2,4,6-Tribromophenol	47		10-120
4-Terphenyl-d14	79		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-12	Date Collected:	04/17/12 14:32
Client ID:	MW13S	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/19/12 13:58
Analytical Date:	04/24/12 06:18		
Analyst:	HL		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	1.9	--	1
Benzidine	ND		ug/l	19	--	1
1,2,4-Trichlorobenzene	ND		ug/l	4.8	--	1
Bis(2-chloroethyl)ether	ND		ug/l	1.9	--	1
2-Chloronaphthalene	ND		ug/l	1.9	--	1
1,2-Dichlorobenzene	ND		ug/l	1.9	--	1
1,3-Dichlorobenzene	ND		ug/l	1.9	--	1
1,4-Dichlorobenzene	ND		ug/l	1.9	--	1
3,3'-Dichlorobenzidine	ND		ug/l	4.8	--	1
2,4-Dinitrotoluene	ND		ug/l	4.8	--	1
2,6-Dinitrotoluene	ND		ug/l	4.8	--	1
Azobenzene	ND		ug/l	1.9	--	1
Fluoranthene	ND		ug/l	1.9	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	1.9	--	1
4-Bromophenyl phenyl ether	ND		ug/l	1.9	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	1.9	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	4.8	--	1
Hexachlorocyclopentadiene	ND		ug/l	19	--	1
Hexachloroethane	ND		ug/l	1.9	--	1
Isophorone	ND		ug/l	4.8	--	1
Naphthalene	ND		ug/l	1.9	--	1
Nitrobenzene	ND		ug/l	1.9	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	1.9	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	4.8	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	2.9	--	1
Butyl benzyl phthalate	ND		ug/l	4.8	--	1
Di-n-butylphthalate	ND		ug/l	4.8	--	1
Di-n-octylphthalate	ND		ug/l	4.8	--	1
Diethyl phthalate	ND		ug/l	4.8	--	1
Dimethyl phthalate	ND		ug/l	4.8	--	1
Chrysene	ND		ug/l	1.9	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID: L1206743-12 Date Collected: 04/17/12 14:32

Client ID: MW13S Date Received: 04/18/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	1.9	--	1
Anthracene	ND		ug/l	1.9	--	1
Benzo(ghi)perylene	ND		ug/l	1.9	--	1
Fluorene	ND		ug/l	1.9	--	1
Phenanthrene	ND		ug/l	1.9	--	1
Dibenzo(a,h)anthracene	ND		ug/l	1.9	--	1
Pyrene	ND		ug/l	1.9	--	1
Aniline	ND		ug/l	1.9	--	1
4-Chloroaniline	ND		ug/l	4.8	--	1
2-Nitroaniline	ND		ug/l	4.8	--	1
3-Nitroaniline	ND		ug/l	4.8	--	1
4-Nitroaniline	ND		ug/l	4.8	--	1
Dibenzofuran	ND		ug/l	1.9	--	1
2-Methylnaphthalene	ND		ug/l	1.9	--	1
n-Nitrosodimethylamine	ND		ug/l	1.9	--	1
2,4,6-Trichlorophenol	ND		ug/l	4.8	--	1
P-Chloro-M-Cresol	ND		ug/l	1.9	--	1
2-Chlorophenol	ND		ug/l	1.9	--	1
2,4-Dichlorophenol	ND		ug/l	4.8	--	1
2,4-Dimethylphenol	ND		ug/l	4.8	--	1
2-Nitrophenol	ND		ug/l	9.6	--	1
4-Nitrophenol	ND		ug/l	9.6	--	1
2,4-Dinitrophenol	ND		ug/l	19	--	1
4,6-Dinitro-o-cresol	ND		ug/l	9.6	--	1
Phenol	ND		ug/l	4.8	--	1
2-Methylphenol	ND		ug/l	4.8	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	4.8	--	1
2,4,5-Trichlorophenol	ND		ug/l	4.8	--	1
Benzyl Alcohol	ND		ug/l	1.9	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	43		23-120
2-Fluorobiphenyl	45		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	73		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-12	Date Collected:	04/17/12 14:32
Client ID:	MW13S	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/19/12 13:58
Analytical Date:	04/26/12 07:26		
Analyst:	JC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.48	--	1
Benzo(a)anthracene	ND		ug/l	0.19	--	1
Benzo(a)pyrene	ND		ug/l	0.19	--	1
Benzo(b)fluoranthene	ND		ug/l	0.19	--	1
Benzo(k)fluoranthene	ND		ug/l	0.19	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.19	--	1
Pentachlorophenol	ND		ug/l	0.77	--	1
Hexachlorobenzene	ND		ug/l	0.77	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	49		23-120
2-Fluorobiphenyl	45		15-120
2,4,6-Tribromophenol	62		10-120
4-Terphenyl-d14	74		41-149

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206743
Report Date: 05/01/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 04/23/12 20:18
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 04/19/12 09:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-12 Batch: WG530165-1					
Acenaphthene	ND		ug/l	2.0	--
Benzidine	ND		ug/l	20	--
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--
2-Chloronaphthalene	ND		ug/l	2.0	--
1,2-Dichlorobenzene	ND		ug/l	2.0	--
1,3-Dichlorobenzene	ND		ug/l	2.0	--
1,4-Dichlorobenzene	ND		ug/l	2.0	--
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--
2,4-Dinitrotoluene	ND		ug/l	5.0	--
2,6-Dinitrotoluene	ND		ug/l	5.0	--
Azobenzene	ND		ug/l	2.0	--
Fluoranthene	ND		ug/l	2.0	--
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--
Hexachlorocyclopentadiene	ND		ug/l	20	--
Hexachloroethane	ND		ug/l	2.0	--
Isophorone	ND		ug/l	5.0	--
Naphthalene	ND		ug/l	2.0	--
Nitrobenzene	ND		ug/l	2.0	--
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--
Butyl benzyl phthalate	ND		ug/l	5.0	--
Di-n-butylphthalate	ND		ug/l	5.0	--
Di-n-octylphthalate	ND		ug/l	5.0	--
Diethyl phthalate	ND		ug/l	5.0	--
Dimethyl phthalate	ND		ug/l	5.0	--
Chrysene	ND		ug/l	2.0	--

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206743
Report Date: 05/01/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 04/23/12 20:18
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 04/19/12 09:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-12 Batch: WG530165-1					
Acenaphthylene	ND		ug/l	2.0	--
Anthracene	ND		ug/l	2.0	--
Benzo(ghi)perylene	ND		ug/l	2.0	--
Fluorene	ND		ug/l	2.0	--
Phenanthrene	ND		ug/l	2.0	--
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--
Pyrene	ND		ug/l	2.0	--
Aniline	ND		ug/l	2.0	--
4-Chloroaniline	ND		ug/l	5.0	--
2-Nitroaniline	ND		ug/l	5.0	--
3-Nitroaniline	ND		ug/l	5.0	--
4-Nitroaniline	ND		ug/l	5.0	--
Dibenzofuran	ND		ug/l	2.0	--
2-Methylnaphthalene	ND		ug/l	2.0	--
n-Nitrosodimethylamine	ND		ug/l	2.0	--
2,4,6-Trichlorophenol	ND		ug/l	5.0	--
P-Chloro-M-Cresol	ND		ug/l	2.0	--
2-Chlorophenol	ND		ug/l	2.0	--
2,4-Dichlorophenol	ND		ug/l	5.0	--
2,4-Dimethylphenol	ND		ug/l	5.0	--
2-Nitrophenol	ND		ug/l	10	--
4-Nitrophenol	ND		ug/l	10	--
2,4-Dinitrophenol	ND		ug/l	20	--
4,6-Dinitro-o-cresol	ND		ug/l	10	--
Phenol	ND		ug/l	5.0	--
2-Methylphenol	ND		ug/l	5.0	--
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--
2,4,5-Trichlorophenol	ND		ug/l	5.0	--
Benzyl Alcohol	ND		ug/l	2.0	--

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206743
Report Date: 05/01/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 04/23/12 20:18
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 04/19/12 09:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-12 Batch: WG530165-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	61		15-120
2,4,6-Tribromophenol	95		10-120
4-Terphenyl-d14	88		41-149

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206743
Report Date: 05/01/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C-SIM
Analytical Date: 04/24/12 09:59
Analyst: JC

Extraction Method: EPA 3510C
Extraction Date: 04/19/12 09:29

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-12 Batch: WG530167-1					
Hexachlorobutadiene	ND		ug/l	0.50	--
Benzo(a)anthracene	ND		ug/l	0.20	--
Benzo(a)pyrene	ND		ug/l	0.20	--
Benzo(b)fluoranthene	ND		ug/l	0.20	--
Benzo(k)fluoranthene	ND		ug/l	0.20	--
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--
Pentachlorophenol	ND		ug/l	0.80	--
Hexachlorobenzene	ND		ug/l	0.80	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	55		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	78		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1206743
Report Date: 05/01/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 Batch: WG530165-2 WG530165-3								
Acenaphthene	76		76		37-111	0		30
1,2,4-Trichlorobenzene	57		59		39-98	3		30
1,4-Dichlorobenzene	57		59		36-97	3		30
2,4-Dinitrotoluene	62		61		24-96	2		30
n-Nitrosodi-n-propylamine	71		74		29-132	4		30
Pyrene	92		93		26-127	1		30
P-Chloro-M-Cresol	92		93		23-97	1		30
2-Chlorophenol	72		76		27-123	5		30
4-Nitrophenol	58		58		10-80	0		30
Pentachlorophenol	78		80		9-103	3		30
Phenol	32		34		12-110	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	48		53		21-120
Phenol-d6	35		38		10-120
Nitrobenzene-d5	69		72		23-120
2-Fluorobiphenyl	74		74		15-120
2,4,6-Tribromophenol	112		118		10-120
4-Terphenyl-d14	106		105		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1206743
Report Date: 05/01/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-12 Batch: WG530167-2 WG530167-3								
Pentachlorophenol	92		95		9-103	3		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	49		51		21-120
Phenol-d6	36		38		10-120
Nitrobenzene-d5	76		76		23-120
2-Fluorobiphenyl	65		69		15-120
2,4,6-Tribromophenol	96		102		10-120
4-Terphenyl-d14	101		104		41-149

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1206743
Report Date: 05/01/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG530165-4 WG530165-5 QC Sample: L1206743-02 Client ID: MW-4DO												
Acenaphthene	ND	40.8	29	71		25	62		37-111	15		30
1,2,4-Trichlorobenzene	ND	40.8	22	54		20	50		39-98	10		30
1,4-Dichlorobenzene	ND	40.8	23	56		20	50		36-97	14		30
2,4-Dinitrotoluene	ND	40.8	24	59		20	50		24-96	18		30
n-Nitrosodi-n-propylamine	ND	40.8	28	69		25	62		29-132	11		30
Pyrene	ND	40.8	34	83		29	72		26-127	16		30
P-Chloro-M-Cresol	ND	40.8	35	86		29	72		23-97	19		30
2-Chlorophenol	ND	40.8	29	71		25	62		27-123	15		30
4-Nitrophenol	ND	40.8	23	56		19	47		10-80	19		30
Pentachlorophenol	ND	40.8	33	81		28	70		9-103	16		30
Phenol	ND	40.8	12	29		11	27		12-110	9		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	104		87		10-120
2-Fluorobiphenyl	67		59		15-120
2-Fluorophenol	46		42		21-120
4-Terphenyl-d14	92		81		41-149
Nitrobenzene-d5	67		60		23-120
Phenol-d6	33		29		10-120

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1206743
Report Date: 05/01/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG530165-6 WG530165-7 QC Sample: L1206657-01 Client ID: MS Sample												
Acenaphthene	ND	40	27	68		25	62		37-111	8		30
1,2,4-Trichlorobenzene	ND	40	22	55		20	50		39-98	10		30
1,4-Dichlorobenzene	ND	40	22	55		22	54		36-97	0		30
2,4-Dinitrotoluene	ND	40	22	55		21	52		24-96	5		30
n-Nitrosodi-n-propylamine	ND	40	24	60		24	59		29-132	0		30
Pyrene	ND	40	31	78		31	77		26-127	0		30
P-Chloro-M-Cresol	ND	40	33	83		32	79		23-97	3		30
2-Chlorophenol	ND	40	26	65		26	64		27-123	0		30
4-Nitrophenol	ND	40	22	55		23	57		10-80	4		30
Pentachlorophenol	ND	40	31	78		30	74		9-103	3		30
Phenol	ND	40	12	30		12	30		12-110	0		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	95		94		10-120
2-Fluorobiphenyl	63		60		15-120
2-Fluorophenol	43		43		21-120
4-Terphenyl-d14	86		84		41-149
Nitrobenzene-d5	62		58		23-120
Phenol-d6	31		31		10-120

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1206743
Report Date: 05/01/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG530167-4 WG530167-5 QC Sample: L1206743-02 Client ID: MW-4DO												
Pentachlorophenol	ND	40.8	41	100		41	100		9-103	0		40

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	112		110		10-120
2-Fluorobiphenyl	82		83		15-120
2-Fluorophenol	50		52		21-120
4-Terphenyl-d14	102		100		41-149
Nitrobenzene-d5	78		82		23-120
Phenol-d6	36		38		10-120

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206743
Report Date: 05/01/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG530167-6 WG530167-7 QC Sample: L1206657-01 Client ID: MS Sample												
Pentachlorophenol	ND	40	56	**140**	Q	53	**130**	Q	9-103	6		40

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	**169**	Q	**159**	Q	10-120
2-Fluorobiphenyl	87		79		15-120
2-Fluorophenol	50		46		21-120
4-Terphenyl-d14	122		115		41-149
Nitrobenzene-d5	93		85		23-120
Phenol-d6	32		29		10-120

METALS

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1206743
Project Number:	CJI-1747	**Report Date:**	05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-01	Date Collected:	04/18/12 09:05
Client ID:	MW-4S	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.010	--	1	04/24/12 16:30	04/25/12 20:44	EPA 3005A	1,6020	BM
Antimony, Total	0.0013		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 20:44	EPA 3005A	1,6020	BM
Arsenic, Total	0.0007		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 20:44	EPA 3005A	1,6020	BM
Barium, Total	0.0138		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 20:44	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 20:44	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0002	--	1	04/24/12 16:30	04/25/12 20:44	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 20:44	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 20:44	EPA 3005A	1,6020	BM
Sodium, Total	8.1		mg/l	2.0	--	1	04/24/12 16:30	05/01/12 08:21	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0002	--	1	04/24/12 16:30	04/25/12 20:44	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0050	--	1	04/24/12 16:30	04/25/12 20:44	EPA 3005A	1,6020	BM
Zinc, Total	0.0113		mg/l	0.0100	--	1	04/24/12 16:30	04/25/12 20:44	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1206743
Project Number:	CJI-1747	**Report Date:**	05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-01 D	Date Collected:	04/18/12 09:05
Client ID:	MW-4S	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Manganese, Total	3.678		mg/l	0.0200	--	20	04/24/12 16:30	04/25/12 22:13	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1206743
Project Number:	CJI-1747	**Report Date:**	05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-02	Date Collected:	04/18/12 09:29
Client ID:	MW-4DO	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.010	--	1	04/24/12 16:30	04/25/12 20:49	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 20:49	EPA 3005A	1,6020	BM
Arsenic, Total	0.0005		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 20:49	EPA 3005A	1,6020	BM
Barium, Total	0.0258		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 20:49	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 20:49	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0002	--	1	04/24/12 16:30	04/25/12 20:49	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 20:49	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 20:49	EPA 3005A	1,6020	BM
Sodium, Total	12		mg/l	2.0	--	1	04/24/12 16:30	05/01/12 08:10	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0002	--	1	04/24/12 16:30	04/25/12 20:49	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0050	--	1	04/24/12 16:30	04/25/12 20:49	EPA 3005A	1,6020	BM
Zinc, Total	0.0109		mg/l	0.0100	--	1	04/24/12 16:30	04/25/12 20:49	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1206743
Project Number:	CJI-1747	**Report Date:**	05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-02 D	Date Collected:	04/18/12 09:29
Client ID:	MW-4DO	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Manganese, Total	1.403		mg/l	0.0200	--	20	04/24/12 16:30	04/25/12 22:18	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1206743
Project Number:	CJI-1747	**Report Date:**	05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-03	Date Collected:	04/18/12 10:29
Client ID:	MW-3BR	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.010	--	1	04/24/12 16:30	04/25/12 20:59	EPA 3005A	1,6020	BM
Antimony, Total	0.0006		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 20:59	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 20:59	EPA 3005A	1,6020	BM
Barium, Total	0.0006		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 20:59	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 20:59	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0002	--	1	04/24/12 16:30	04/25/12 20:59	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 20:59	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 20:59	EPA 3005A	1,6020	BM
Manganese, Total	0.0186		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 20:59	EPA 3005A	1,6020	BM
Sodium, Total	16		mg/l	2.0	--	1	04/24/12 16:30	05/01/12 08:24	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0002	--	1	04/24/12 16:30	04/25/12 20:59	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0050	--	1	04/24/12 16:30	04/25/12 20:59	EPA 3005A	1,6020	BM
Zinc, Total	0.0111		mg/l	0.0100	--	1	04/24/12 16:30	04/25/12 20:59	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1206743
Project Number:	CJI-1747	**Report Date:**	05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-04	Date Collected:	04/18/12 10:29
Client ID:	DUPLICATE (MW-3BR)	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.010	--	1	04/24/12 16:30	04/25/12 21:02	EPA 3005A	1,6020	BM
Antimony, Total	0.0006		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:02	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:02	EPA 3005A	1,6020	BM
Barium, Total	0.0005		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:02	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:02	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0002	--	1	04/24/12 16:30	04/25/12 21:02	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:02	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:02	EPA 3005A	1,6020	BM
Manganese, Total	0.0224		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:02	EPA 3005A	1,6020	BM
Sodium, Total	17		mg/l	2.0	--	1	04/24/12 16:30	05/01/12 08:27	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0002	--	1	04/24/12 16:30	04/25/12 21:02	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0050	--	1	04/24/12 16:30	04/25/12 21:02	EPA 3005A	1,6020	BM
Zinc, Total	0.0172		mg/l	0.0100	--	1	04/24/12 16:30	04/25/12 21:02	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1206743
Project Number:	CJI-1747	**Report Date:**	05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-05	Date Collected:	04/18/12 11:06
Client ID:	MW-3S	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.010		mg/l	0.010	--	1	04/24/12 16:30	04/25/12 21:09	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:09	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:09	EPA 3005A	1,6020	BM
Barium, Total	0.0023		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:09	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:09	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0002	--	1	04/24/12 16:30	04/25/12 21:09	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:09	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:09	EPA 3005A	1,6020	BM
Manganese, Total	0.0197		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:09	EPA 3005A	1,6020	BM
Sodium, Total	12		mg/l	2.0	--	1	04/24/12 16:30	05/01/12 08:44	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0002	--	1	04/24/12 16:30	04/25/12 21:09	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0050	--	1	04/24/12 16:30	04/25/12 21:09	EPA 3005A	1,6020	BM
Zinc, Total	0.0104		mg/l	0.0100	--	1	04/24/12 16:30	04/25/12 21:09	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1206743
Project Number:	CJI-1747	**Report Date:**	05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-06	Date Collected:	04/18/12 11:49
Client ID:	W-12S	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.038		mg/l	0.010	--	1	04/24/12 16:30	04/25/12 21:12	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:12	EPA 3005A	1,6020	BM
Arsenic, Total	0.0006		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:12	EPA 3005A	1,6020	BM
Barium, Total	0.0244		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:12	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:12	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0002	--	1	04/24/12 16:30	04/25/12 21:12	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:12	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:12	EPA 3005A	1,6020	BM
Sodium, Total	6.8		mg/l	2.0	--	1	04/24/12 16:30	05/01/12 08:47	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0002	--	1	04/24/12 16:30	04/25/12 21:12	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0050	--	1	04/24/12 16:30	04/25/12 21:12	EPA 3005A	1,6020	BM
Zinc, Total	0.0201		mg/l	0.0100	--	1	04/24/12 16:30	04/25/12 21:12	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1206743
Project Number:	CJI-1747	**Report Date:**	05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-06 D	Date Collected:	04/18/12 11:49
Client ID:	W-12S	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Manganese, Total	2.342		mg/l	0.0200	--	20	04/24/12 16:30	04/25/12 22:28	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1206743
Project Number:	CJI-1747	**Report Date:**	05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-07	Date Collected:	04/18/12 12:19
Client ID:	MW-12DO	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.010	--	1	04/24/12 16:30	04/25/12 21:14	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:14	EPA 3005A	1,6020	BM
Arsenic, Total	0.0010		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:14	EPA 3005A	1,6020	BM
Barium, Total	0.0057		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:14	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:14	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0002	--	1	04/24/12 16:30	04/25/12 21:14	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:14	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:14	EPA 3005A	1,6020	BM
Sodium, Total	14		mg/l	2.0	--	1	04/24/12 16:30	05/01/12 08:50	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0002	--	1	04/24/12 16:30	04/25/12 21:14	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0050	--	1	04/24/12 16:30	04/25/12 21:14	EPA 3005A	1,6020	BM
Zinc, Total	0.0106		mg/l	0.0100	--	1	04/24/12 16:30	04/25/12 21:14	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1206743
Project Number:	CJI-1747	**Report Date:**	05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-07 D	Date Collected:	04/18/12 12:19
Client ID:	MW-12DO	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Manganese, Total	0.9128		mg/l	0.0200	--	20	04/24/12 16:30	04/25/12 22:30	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1206743
Project Number:	CJI-1747	**Report Date:**	05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-08	Date Collected:	04/18/12 14:16
Client ID:	RES#7	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.010	--	1	04/24/12 16:30	04/25/12 21:17	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:17	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:17	EPA 3005A	1,6020	BM
Barium, Total	0.0014		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:17	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:17	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0002	--	1	04/24/12 16:30	04/25/12 21:17	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:17	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:17	EPA 3005A	1,6020	BM
Manganese, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:17	EPA 3005A	1,6020	BM
Sodium, Total	35		mg/l	2.0	--	1	04/24/12 16:30	05/01/12 08:53	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0002	--	1	04/24/12 16:30	04/25/12 21:17	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0050	--	1	04/24/12 16:30	04/25/12 21:17	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0100	--	1	04/24/12 16:30	04/25/12 21:17	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1206743
Project Number:	CJI-1747	**Report Date:**	05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-09	Date Collected:	04/18/12 00:00
Client ID:	FIELD BLANK	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.010	--	1	04/24/12 16:30	04/25/12 21:19	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:19	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:19	EPA 3005A	1,6020	BM
Barium, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:19	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:19	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0002	--	1	04/24/12 16:30	04/25/12 21:19	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:19	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:19	EPA 3005A	1,6020	BM
Manganese, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:19	EPA 3005A	1,6020	BM
Sodium, Total	ND		mg/l	2.0	--	1	04/24/12 16:30	05/01/12 08:56	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0002	--	1	04/24/12 16:30	04/25/12 21:19	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0050	--	1	04/24/12 16:30	04/25/12 21:19	EPA 3005A	1,6020	BM
Zinc, Total	0.0122		mg/l	0.0100	--	1	04/24/12 16:30	04/25/12 21:19	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1206743
Project Number:	CJI-1747	**Report Date:**	05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-10	Date Collected:	04/18/12 08:27
Client ID:	RES#12	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.010	--	1	04/24/12 16:30	04/25/12 21:22	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:22	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:22	EPA 3005A	1,6020	BM
Barium, Total	0.0016		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:22	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:22	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0002	--	1	04/24/12 16:30	04/25/12 21:22	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:22	EPA 3005A	1,6020	BM
Lead, Total	0.0018		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:22	EPA 3005A	1,6020	BM
Manganese, Total	0.0013		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:22	EPA 3005A	1,6020	BM
Sodium, Total	9.7		mg/l	2.0	--	1	04/24/12 16:30	05/01/12 08:59	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0002	--	1	04/24/12 16:30	04/25/12 21:22	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0050	--	1	04/24/12 16:30	04/25/12 21:22	EPA 3005A	1,6020	BM
Zinc, Total	0.0168		mg/l	0.0100	--	1	04/24/12 16:30	04/25/12 21:22	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1206743
Project Number:	CJI-1747	**Report Date:**	05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-11	Date Collected:	04/18/12 14:27
Client ID:	RES#10	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.010	--	1	04/24/12 16:30	04/25/12 21:25	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:25	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:25	EPA 3005A	1,6020	BM
Barium, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:25	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:25	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0002	--	1	04/24/12 16:30	04/25/12 21:25	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:25	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:25	EPA 3005A	1,6020	BM
Manganese, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:25	EPA 3005A	1,6020	BM
Sodium, Total	33		mg/l	2.0	--	1	04/24/12 16:30	05/01/12 09:02	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0002	--	1	04/24/12 16:30	04/25/12 21:25	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0050	--	1	04/24/12 16:30	04/25/12 21:25	EPA 3005A	1,6020	BM
Zinc, Total	0.0219		mg/l	0.0100	--	1	04/24/12 16:30	04/25/12 21:25	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1206743
Project Number:	CJI-1747	**Report Date:**	05/01/12

SAMPLE RESULTS

Lab ID:	L1206743-12	Date Collected:	04/17/12 14:32
Client ID:	MW13S	Date Received:	04/18/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.128		mg/l	0.010	--	1	04/24/12 16:30	04/25/12 21:27	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:27	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:27	EPA 3005A	1,6020	BM
Barium, Total	0.0053		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:27	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:27	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0002	--	1	04/24/12 16:30	04/25/12 21:27	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:27	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:27	EPA 3005A	1,6020	BM
Manganese, Total	0.0304		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:27	EPA 3005A	1,6020	BM
Sodium, Total	11		mg/l	2.0	--	1	04/24/12 16:30	05/01/12 09:05	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0002	--	1	04/24/12 16:30	04/25/12 21:27	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0050	--	1	04/24/12 16:30	04/25/12 21:27	EPA 3005A	1,6020	BM
Zinc, Total	0.0142		mg/l	0.0100	--	1	04/24/12 16:30	04/25/12 21:27	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1206743
Report Date: 05/01/12

SAMPLE RESULTS

Lab ID: L1206743-13
Client ID: SW-09
Sample Location: SOUTH KINGSTON, RI
Matrix: Water

Date Collected: 04/18/12 09:39
Date Received: 04/18/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.082		mg/l	0.010	--	1	04/24/12 16:30	04/25/12 21:30	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:30	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0002	--	1	04/24/12 16:30	04/25/12 21:30	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:30	EPA 3005A	1,6020	BM
Copper, Total	0.0020		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:30	EPA 3005A	1,6020	BM
Iron, Total	0.308		mg/l	0.050	--	1	04/24/12 16:30	04/25/12 21:30	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:30	EPA 3005A	1,6020	BM
Manganese, Total	0.0478		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:30	EPA 3005A	1,6020	BM
Nickel, Total	0.0020		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:30	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0003	--	1	04/24/12 16:30	04/25/12 21:30	EPA 3005A	1,6020	BM
Zinc, Total	0.0750		mg/l	0.0100	--	1	04/24/12 16:30	04/25/12 21:30	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab											
Hardness	12		mg/l	0.66	--	1	04/24/12 16:30	04/26/12 17:25	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.063		mg/l	0.010	--	1	04/24/12 13:20	04/24/12 22:25	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	04/24/12 13:20	04/24/12 22:25	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0002	--	1	04/24/12 13:20	04/24/12 22:25	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0010	--	1	04/24/12 13:20	04/24/12 22:25	EPA 3005A	1,6020	BM
Copper, Dissolved	0.0022		mg/l	0.0010	--	1	04/24/12 13:20	04/24/12 22:25	EPA 3005A	1,6020	BM
Iron, Dissolved	0.231		mg/l	0.050	--	1	04/24/12 13:20	04/24/12 22:25	EPA 3005A	1,6020	BM
Lead, Dissolved	ND		mg/l	0.0010	--	1	04/24/12 13:20	04/24/12 22:25	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.0391		mg/l	0.0010	--	1	04/24/12 13:20	04/24/12 22:25	EPA 3005A	1,6020	BM
Nickel, Dissolved	0.0021		mg/l	0.0005	--	1	04/24/12 13:20	04/24/12 22:25	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0003	--	1	04/24/12 13:20	04/24/12 22:25	EPA 3005A	1,6020	BM
Zinc, Dissolved	0.0294		mg/l	0.0100	--	1	04/24/12 13:20	04/24/12 22:25	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1206743
Report Date: 05/01/12

SAMPLE RESULTS

Lab ID: L1206743-14
Client ID: DUP (SW-09)
Sample Location: SOUTH KINGSTON, RI
Matrix: Water

Date Collected: 04/18/12 09:39
Date Received: 04/18/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.080		mg/l	0.010	--	1	04/24/12 16:30	04/25/12 21:32	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:32	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0002	--	1	04/24/12 16:30	04/25/12 21:32	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:32	EPA 3005A	1,6020	BM
Copper, Total	0.0019		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:32	EPA 3005A	1,6020	BM
Iron, Total	0.303		mg/l	0.050	--	1	04/24/12 16:30	04/25/12 21:32	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:32	EPA 3005A	1,6020	BM
Manganese, Total	0.0426		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:32	EPA 3005A	1,6020	BM
Nickel, Total	0.0020		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:32	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0003	--	1	04/24/12 16:30	04/25/12 21:32	EPA 3005A	1,6020	BM
Zinc, Total	0.0296		mg/l	0.0100	--	1	04/24/12 16:30	04/25/12 21:32	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab											
Hardness	11		mg/l	0.66	--	1	04/24/12 16:30	04/26/12 17:28	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.069		mg/l	0.010	--	1	04/24/12 13:20	04/24/12 22:31	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	04/24/12 13:20	04/24/12 22:31	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0002	--	1	04/24/12 13:20	04/24/12 22:31	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0010	--	1	04/24/12 13:20	04/24/12 22:31	EPA 3005A	1,6020	BM
Copper, Dissolved	0.0022		mg/l	0.0010	--	1	04/24/12 13:20	04/24/12 22:31	EPA 3005A	1,6020	BM
Iron, Dissolved	0.252		mg/l	0.050	--	1	04/24/12 13:20	04/24/12 22:31	EPA 3005A	1,6020	BM
Lead, Dissolved	ND		mg/l	0.0010	--	1	04/24/12 13:20	04/24/12 22:31	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.0406		mg/l	0.0010	--	1	04/24/12 13:20	04/24/12 22:31	EPA 3005A	1,6020	BM
Nickel, Dissolved	0.0021		mg/l	0.0005	--	1	04/24/12 13:20	04/24/12 22:31	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0003	--	1	04/24/12 13:20	04/24/12 22:31	EPA 3005A	1,6020	BM
Zinc, Dissolved	0.0360		mg/l	0.0100	--	1	04/24/12 13:20	04/24/12 22:31	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL
Lab Number: L1206743
Project Number: CJI-1747
Report Date: 05/01/12

SAMPLE RESULTS

Lab ID: L1206743-15
Client ID: SW-17
Sample Location: SOUTH KINGSTON, RI
Matrix: Water

Date Collected: 04/18/12 10:00
Date Received: 04/18/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.083		mg/l	0.010	--	1	04/24/12 16:30	04/25/12 21:40	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:40	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0002	--	1	04/24/12 16:30	04/25/12 21:40	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:40	EPA 3005A	1,6020	BM
Copper, Total	0.0035		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:40	EPA 3005A	1,6020	BM
Iron, Total	0.396		mg/l	0.050	--	1	04/24/12 16:30	04/25/12 21:40	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:40	EPA 3005A	1,6020	BM
Manganese, Total	0.1732		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:40	EPA 3005A	1,6020	BM
Nickel, Total	0.0007		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:40	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0003	--	1	04/24/12 16:30	04/25/12 21:40	EPA 3005A	1,6020	BM
Zinc, Total	0.0577		mg/l	0.0100	--	1	04/24/12 16:30	04/25/12 21:40	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab											
Hardness	21		mg/l	0.66	--	1	04/24/12 16:30	04/26/12 17:37	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.069		mg/l	0.010	--	1	04/24/12 13:20	04/24/12 22:38	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	04/24/12 13:20	04/24/12 22:38	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0002	--	1	04/24/12 13:20	04/24/12 22:38	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0010	--	1	04/24/12 13:20	04/24/12 22:38	EPA 3005A	1,6020	BM
Copper, Dissolved	0.0037		mg/l	0.0010	--	1	04/24/12 13:20	04/24/12 22:38	EPA 3005A	1,6020	BM
Iron, Dissolved	0.314		mg/l	0.050	--	1	04/24/12 13:20	04/24/12 22:38	EPA 3005A	1,6020	BM
Lead, Dissolved	ND		mg/l	0.0010	--	1	04/24/12 13:20	04/24/12 22:38	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.1296		mg/l	0.0010	--	1	04/24/12 13:20	04/24/12 22:38	EPA 3005A	1,6020	BM
Nickel, Dissolved	0.0010		mg/l	0.0005	--	1	04/24/12 13:20	04/24/12 22:38	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0003	--	1	04/24/12 13:20	04/24/12 22:38	EPA 3005A	1,6020	BM
Zinc, Dissolved	0.0489		mg/l	0.0100	--	1	04/24/12 13:20	04/24/12 22:38	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1206743
Report Date: 05/01/12

SAMPLE RESULTS

Lab ID: L1206743-16
Client ID: SW-04
Sample Location: SOUTH KINGSTON, RI
Matrix: Water

Date Collected: 04/18/12 12:00
Date Received: 04/18/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.127		mg/l	0.010	--	1	04/24/12 16:30	04/25/12 21:42	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:42	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0002	--	1	04/24/12 16:30	04/25/12 21:42	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:42	EPA 3005A	1,6020	BM
Copper, Total	0.0027		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:42	EPA 3005A	1,6020	BM
Iron, Total	0.439		mg/l	0.050	--	1	04/24/12 16:30	04/25/12 21:42	EPA 3005A	1,6020	BM
Lead, Total	0.0011		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:42	EPA 3005A	1,6020	BM
Manganese, Total	0.2721		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:42	EPA 3005A	1,6020	BM
Nickel, Total	0.0008		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:42	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0003	--	1	04/24/12 16:30	04/25/12 21:42	EPA 3005A	1,6020	BM
Zinc, Total	0.8162		mg/l	0.0100	--	1	04/24/12 16:30	04/25/12 21:42	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab											
Hardness	21		mg/l	0.66	--	1	04/24/12 16:30	04/26/12 17:40	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.070		mg/l	0.010	--	1	04/24/12 13:20	04/24/12 22:56	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	04/24/12 13:20	04/24/12 22:56	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0002	--	1	04/24/12 13:20	04/24/12 22:56	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0010	--	1	04/24/12 13:20	04/24/12 22:56	EPA 3005A	1,6020	BM
Copper, Dissolved	0.0024		mg/l	0.0010	--	1	04/24/12 13:20	04/24/12 22:56	EPA 3005A	1,6020	BM
Iron, Dissolved	0.207		mg/l	0.050	--	1	04/24/12 13:20	04/24/12 22:56	EPA 3005A	1,6020	BM
Lead, Dissolved	ND		mg/l	0.0010	--	1	04/24/12 13:20	04/24/12 22:56	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.2451		mg/l	0.0010	--	1	04/24/12 13:20	04/24/12 22:56	EPA 3005A	1,6020	BM
Nickel, Dissolved	0.0009		mg/l	0.0005	--	1	04/24/12 13:20	04/24/12 22:56	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0003	--	1	04/24/12 13:20	04/24/12 22:56	EPA 3005A	1,6020	BM
Zinc, Dissolved	0.6655		mg/l	0.1000	--	10	04/24/12 13:20	04/24/12 23:03	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL
Lab Number: L1206743
Project Number: CJI-1747
Report Date: 05/01/12

SAMPLE RESULTS

Lab ID: L1206743-17
Client ID: SW-2
Sample Location: SOUTH KINGSTON, RI
Matrix: Water

Date Collected: 04/18/12 08:03
Date Received: 04/18/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.262		mg/l	0.010	--	1	04/24/12 16:30	04/25/12 21:45	EPA 3005A	1,6020	BM
Arsenic, Total	0.0005		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:45	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0002	--	1	04/24/12 16:30	04/25/12 21:45	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:45	EPA 3005A	1,6020	BM
Copper, Total	0.0014		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:45	EPA 3005A	1,6020	BM
Iron, Total	0.371		mg/l	0.050	--	1	04/24/12 16:30	04/25/12 21:45	EPA 3005A	1,6020	BM
Lead, Total	0.0021		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:45	EPA 3005A	1,6020	BM
Manganese, Total	0.0805		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:45	EPA 3005A	1,6020	BM
Nickel, Total	0.0006		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:45	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0003	--	1	04/24/12 16:30	04/25/12 21:45	EPA 3005A	1,6020	BM
Zinc, Total	0.0294		mg/l	0.0100	--	1	04/24/12 16:30	04/25/12 21:45	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab											
Hardness	19		mg/l	0.66	--	1	04/24/12 16:30	04/26/12 17:43	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.084		mg/l	0.010	--	1	04/24/12 13:20	04/24/12 23:09	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	04/24/12 13:20	04/24/12 23:09	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0002	--	1	04/24/12 13:20	04/24/12 23:09	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0010	--	1	04/24/12 13:20	04/24/12 23:09	EPA 3005A	1,6020	BM
Copper, Dissolved	0.0014		mg/l	0.0010	--	1	04/24/12 13:20	04/24/12 23:09	EPA 3005A	1,6020	BM
Iron, Dissolved	0.175		mg/l	0.050	--	1	04/24/12 13:20	04/24/12 23:09	EPA 3005A	1,6020	BM
Lead, Dissolved	ND		mg/l	0.0010	--	1	04/24/12 13:20	04/24/12 23:09	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.0335		mg/l	0.0010	--	1	04/24/12 13:20	04/24/12 23:09	EPA 3005A	1,6020	BM
Nickel, Dissolved	0.0007		mg/l	0.0005	--	1	04/24/12 13:20	04/24/12 23:09	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0003	--	1	04/24/12 13:20	04/24/12 23:09	EPA 3005A	1,6020	BM
Zinc, Dissolved	0.0144		mg/l	0.0100	--	1	04/24/12 13:20	04/24/12 23:09	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL
Lab Number: L1206743
Project Number: CJI-1747
Report Date: 05/01/12

SAMPLE RESULTS

Lab ID: L1206743-18
Client ID: SW-1
Sample Location: SOUTH KINGSTON, RI
Matrix: Water

Date Collected: 04/18/12 08:16
Date Received: 04/18/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.024		mg/l	0.010	--	1	04/24/12 16:30	04/25/12 21:47	EPA 3005A	1,6020	BM
Arsenic, Total	0.0008		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:47	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0002	--	1	04/24/12 16:30	04/25/12 21:47	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:47	EPA 3005A	1,6020	BM
Copper, Total	0.0016		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:47	EPA 3005A	1,6020	BM
Iron, Total	0.516		mg/l	0.050	--	1	04/24/12 16:30	04/25/12 21:47	EPA 3005A	1,6020	BM
Lead, Total	0.0078		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:47	EPA 3005A	1,6020	BM
Manganese, Total	0.0972		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:47	EPA 3005A	1,6020	BM
Nickel, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:47	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0003	--	1	04/24/12 16:30	04/25/12 21:47	EPA 3005A	1,6020	BM
Zinc, Total	0.0166		mg/l	0.0100	--	1	04/24/12 16:30	04/25/12 21:47	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab											
Hardness	20		mg/l	0.66	--	1	04/24/12 16:30	04/26/12 17:46	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.016		mg/l	0.010	--	1	04/24/12 13:20	04/24/12 23:15	EPA 3005A	1,6020	BM
Arsenic, Dissolved	0.0006		mg/l	0.0005	--	1	04/24/12 13:20	04/24/12 23:15	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0002	--	1	04/24/12 13:20	04/24/12 23:15	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0010	--	1	04/24/12 13:20	04/24/12 23:15	EPA 3005A	1,6020	BM
Copper, Dissolved	0.0014		mg/l	0.0010	--	1	04/24/12 13:20	04/24/12 23:15	EPA 3005A	1,6020	BM
Iron, Dissolved	0.397		mg/l	0.050	--	1	04/24/12 13:20	04/24/12 23:15	EPA 3005A	1,6020	BM
Lead, Dissolved	0.0048		mg/l	0.0010	--	1	04/24/12 13:20	04/24/12 23:15	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.0788		mg/l	0.0010	--	1	04/24/12 13:20	04/24/12 23:15	EPA 3005A	1,6020	BM
Nickel, Dissolved	0.0005		mg/l	0.0005	--	1	04/24/12 13:20	04/24/12 23:15	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0003	--	1	04/24/12 13:20	04/24/12 23:15	EPA 3005A	1,6020	BM
Zinc, Dissolved	0.0125		mg/l	0.0100	--	1	04/24/12 13:20	04/24/12 23:15	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL
Lab Number: L1206743
Project Number: CJI-1747
Report Date: 05/01/12

SAMPLE RESULTS

Lab ID: L1206743-19
Client ID: SW-06
Sample Location: SOUTH KINGSTON, RI
Matrix: Water

Date Collected: 04/18/12 13:50
Date Received: 04/18/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.072		mg/l	0.010	--	1	04/24/12 16:30	04/25/12 21:50	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:50	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0002	--	1	04/24/12 16:30	04/25/12 21:50	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:50	EPA 3005A	1,6020	BM
Copper, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:50	EPA 3005A	1,6020	BM
Iron, Total	0.630		mg/l	0.050	--	1	04/24/12 16:30	04/25/12 21:50	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:50	EPA 3005A	1,6020	BM
Manganese, Total	0.1458		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:50	EPA 3005A	1,6020	BM
Nickel, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:50	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0003	--	1	04/24/12 16:30	04/25/12 21:50	EPA 3005A	1,6020	BM
Zinc, Total	0.0641		mg/l	0.0100	--	1	04/24/12 16:30	04/25/12 21:50	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab											
Hardness	21		mg/l	0.66	--	1	04/24/12 16:30	04/26/12 17:49	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.052		mg/l	0.010	--	1	04/24/12 13:20	04/24/12 23:21	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	04/24/12 13:20	04/24/12 23:21	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0002	--	1	04/24/12 13:20	04/24/12 23:21	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0010	--	1	04/24/12 13:20	04/24/12 23:21	EPA 3005A	1,6020	BM
Copper, Dissolved	ND		mg/l	0.0010	--	1	04/24/12 13:20	04/24/12 23:21	EPA 3005A	1,6020	BM
Iron, Dissolved	0.447		mg/l	0.050	--	1	04/24/12 13:20	04/24/12 23:21	EPA 3005A	1,6020	BM
Lead, Dissolved	ND		mg/l	0.0010	--	1	04/24/12 13:20	04/24/12 23:21	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.1323		mg/l	0.0010	--	1	04/24/12 13:20	04/24/12 23:21	EPA 3005A	1,6020	BM
Nickel, Dissolved	0.0006		mg/l	0.0005	--	1	04/24/12 13:20	04/24/12 23:21	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0003	--	1	04/24/12 13:20	04/24/12 23:21	EPA 3005A	1,6020	BM
Zinc, Dissolved	0.0540		mg/l	0.0100	--	1	04/24/12 13:20	04/24/12 23:21	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1206743
Report Date: 05/01/12

SAMPLE RESULTS

Lab ID: L1206743-20
Client ID: FIELD BLANK (SW)
Sample Location: SOUTH KINGSTON, RI
Matrix: Water

Date Collected: 04/18/12 00:00
Date Received: 04/18/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.010	--	1	04/24/12 16:30	04/25/12 21:53	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:53	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0002	--	1	04/24/12 16:30	04/25/12 21:53	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:53	EPA 3005A	1,6020	BM
Copper, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:53	EPA 3005A	1,6020	BM
Iron, Total	ND		mg/l	0.050	--	1	04/24/12 16:30	04/25/12 21:53	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:53	EPA 3005A	1,6020	BM
Manganese, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 21:53	EPA 3005A	1,6020	BM
Nickel, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 21:53	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0003	--	1	04/24/12 16:30	04/25/12 21:53	EPA 3005A	1,6020	BM
Zinc, Total	0.0120		mg/l	0.0100	--	1	04/24/12 16:30	04/25/12 21:53	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab											
Hardness	ND		mg/l	0.66	--	1	04/24/12 16:30	04/26/12 17:52	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	ND		mg/l	0.010	--	1	04/24/12 13:20	04/24/12 23:28	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	04/24/12 13:20	04/24/12 23:28	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0002	--	1	04/24/12 13:20	04/24/12 23:28	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0010	--	1	04/24/12 13:20	04/24/12 23:28	EPA 3005A	1,6020	BM
Copper, Dissolved	ND		mg/l	0.0010	--	1	04/24/12 13:20	04/24/12 23:28	EPA 3005A	1,6020	BM
Iron, Dissolved	ND		mg/l	0.050	--	1	04/24/12 13:20	04/24/12 23:28	EPA 3005A	1,6020	BM
Lead, Dissolved	ND		mg/l	0.0010	--	1	04/24/12 13:20	04/24/12 23:28	EPA 3005A	1,6020	BM
Manganese, Dissolved	ND		mg/l	0.0010	--	1	04/24/12 13:20	04/24/12 23:28	EPA 3005A	1,6020	BM
Nickel, Dissolved	ND		mg/l	0.0005	--	1	04/24/12 13:20	04/24/12 23:28	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0003	--	1	04/24/12 13:20	04/24/12 23:28	EPA 3005A	1,6020	BM
Zinc, Dissolved	ND		mg/l	0.0100	--	1	04/24/12 13:20	04/24/12 23:28	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 13-20 Batch: WG531166-1										
Aluminum, Dissolved	ND		mg/l	0.010	--	1	04/24/12 13:20	04/24/12 20:58	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	04/24/12 13:20	04/24/12 20:58	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0002	--	1	04/24/12 13:20	04/24/12 20:58	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0010	--	1	04/24/12 13:20	04/24/12 20:58	1,6020	BM
Copper, Dissolved	ND		mg/l	0.0010	--	1	04/24/12 13:20	04/24/12 20:58	1,6020	BM
Iron, Dissolved	ND		mg/l	0.050	--	1	04/24/12 13:20	04/24/12 20:58	1,6020	BM
Lead, Dissolved	ND		mg/l	0.0010	--	1	04/24/12 13:20	04/24/12 20:58	1,6020	BM
Manganese, Dissolved	0.0028		mg/l	0.0010	--	1	04/24/12 13:20	04/24/12 20:58	1,6020	BM
Nickel, Dissolved	ND		mg/l	0.0005	--	1	04/24/12 13:20	04/24/12 20:58	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0003	--	1	04/24/12 13:20	04/24/12 20:58	1,6020	BM
Zinc, Dissolved	ND		mg/l	0.0100	--	1	04/24/12 13:20	04/24/12 20:58	1,6020	BM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-20 Batch: WG531276-1										
Aluminum, Total	ND		mg/l	0.010	--	1	04/24/12 16:30	04/25/12 20:39	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 20:39	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 20:39	1,6020	BM
Barium, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 20:39	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 20:39	1,6020	BM
Cadmium, Total	ND		mg/l	0.0002	--	1	04/24/12 16:30	04/25/12 20:39	1,6020	BM
Chromium, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 20:39	1,6020	BM
Copper, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 20:39	1,6020	BM
Iron, Total	ND		mg/l	0.050	--	1	04/24/12 16:30	04/25/12 20:39	1,6020	BM
Lead, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 20:39	1,6020	BM
Manganese, Total	ND		mg/l	0.0010	--	1	04/24/12 16:30	04/25/12 20:39	1,6020	BM
Nickel, Total	ND		mg/l	0.0005	--	1	04/24/12 16:30	04/25/12 20:39	1,6020	BM
Silver, Total	ND		mg/l	0.0003	--	1	04/24/12 16:30	04/25/12 20:39	1,6020	BM
Thallium, Total	ND		mg/l	0.0002	--	1	04/24/12 16:30	04/25/12 20:39	1,6020	BM
Vanadium, Total	ND		mg/l	0.0050	--	1	04/24/12 16:30	04/25/12 20:39	1,6020	BM

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

Method Blank Analysis
Batch Quality Control

Zinc, Total	ND	mg/l	0.0100	--	1	04/24/12 16:30	04/25/12 20:39	1,6020	BM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-20 Batch: WG531277-1										
Sodium, Total	ND		mg/l	2.0	--	1	04/24/12 16:30	05/01/12 08:04	1,6010B	AI

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Hardness by SM 2340B - Westborough Lab for sample(s): 01-20 Batch: WG531277-1										
Hardness	ND		mg/l	0.66	--	1	04/24/12 16:30	04/26/12 16:26	1,6010B	AI

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206743
Report Date: 05/01/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 13-20 Batch: WG531166-2								
Aluminum, Dissolved	95		-		80-120	-		
Arsenic, Dissolved	109		-		80-120	-		
Cadmium, Dissolved	112		-		80-120	-		
Chromium, Dissolved	104		-		80-120	-		
Copper, Dissolved	105		-		80-120	-		
Iron, Dissolved	107		-		80-120	-		
Lead, Dissolved	108		-		80-120	-		
Manganese, Dissolved	106		-		80-120	-		
Nickel, Dissolved	105		-		80-120	-		
Silver, Dissolved	103		-		80-120	-		
Zinc, Dissolved	102		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206743
Report Date: 05/01/12

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-20 Batch: WG531276-2					
Aluminum, Total	104	-	80-120	-	
Antimony, Total	92	-	80-120	-	
Arsenic, Total	113	-	80-120	-	
Barium, Total	102	-	80-120	-	
Beryllium, Total	108	-	80-120	-	
Cadmium, Total	110	-	80-120	-	
Chromium, Total	106	-	80-120	-	
Copper, Total	108	-	80-120	-	
Iron, Total	105	-	80-120	-	
Lead, Total	107	-	80-120	-	
Manganese, Total	105	-	80-120	-	
Nickel, Total	110	-	80-120	-	
Silver, Total	101	-	80-120	-	
Thallium, Total	103	-	80-120	-	
Vanadium, Total	105	-	80-120	-	
Zinc, Total	112	-	80-120	-	
Total Metals - Westborough Lab Associated sample(s): 01-20 Batch: WG531277-2					
Sodium, Total	110	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206743
Report Date: 05/01/12

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Hardness by SM 2340B - Westborough Lab Associated sample(s): 01-20 Batch: WG531277-2					
Hardness	106	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1206743
Report Date: 05/01/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 13-20 QC Batch ID: WG531166-4 QC Sample: L1207008-08 Client ID: MS Sample												
Aluminum, Dissolved	0.041	2	1.98	97		-	-		80-120	-		20
Arsenic, Dissolved	ND	0.12	0.1340	112		-	-		80-120	-		20
Cadmium, Dissolved	ND	0.051	0.0553	108		-	-		80-120	-		20
Chromium, Dissolved	0.0010	0.2	0.2113	105		-	-		80-120	-		20
Copper, Dissolved	0.0014	0.25	0.2596	103		-	-		80-120	-		20
Iron, Dissolved	1.76	1	2.96	120		-	-		80-120	-		20
Lead, Dissolved	ND	0.51	0.5745	113		-	-		80-120	-		20
Manganese, Dissolved	0.1582	0.5	0.6966	108		-	-		80-120	-		20
Nickel, Dissolved	0.0055	0.5	0.5220	103		-	-		80-120	-		20
Silver, Dissolved	ND	0.05	0.0509	102		-	-		80-120	-		20
Zinc, Dissolved	ND	0.5	0.4989	100		-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206743
Report Date: 05/01/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-20 QC Batch ID: WG531276-3 WG531276-4 QC Sample: L1206743-02 Client ID: MW-4DO										
Aluminum, Total	ND	2	2.04	102		2.06	103	80-120	1	20
Antimony, Total	ND	0.5	0.5084	102		0.5033	101	80-120	1	20
Arsenic, Total	0.0005	0.12	0.1416	118		0.1379	114	80-120	3	20
Barium, Total	0.0258	2	2.100	104		2.061	102	80-120	2	20
Beryllium, Total	ND	0.05	0.0520	104		0.0538	108	80-120	3	20
Cadmium, Total	ND	0.051	0.0587	115		0.0576	113	80-120	2	20
Chromium, Total	ND	0.2	0.2208	110		0.2129	106	80-120	4	20
Copper, Total	ND	0.25	0.2787	111		0.2681	107	80-120	4	20
Iron, Total	6.91	1	8.23	**132**	Q	8.08	117	80-120	2	20
Lead, Total	ND	0.51	0.5659	111		0.5485	108	80-120	3	20
Manganese, Total	1.403	0.5	1.961	112		1.959	111	80-120	0	20
Nickel, Total	0.0010	0.5	0.5630	112		0.5442	109	80-120	3	20
Silver, Total	ND	0.05	0.0526	105		0.0509	102	80-120	3	20
Thallium, Total	ND	0.12	0.1271	106		0.1254	104	80-120	1	20
Vanadium, Total	ND	0.5	0.5479	110		0.5317	106	80-120	3	20
Zinc, Total	0.0109	0.5	0.5814	114		0.5654	111	80-120	3	20
Total Metals - Westborough Lab Associated sample(s): 01-20 QC Batch ID: WG531277-3 WG531277-4 QC Sample: L1206743-02 Client ID: MW-4DO										
Sodium, Total	12	10	24	120		24	120	75-125	0	20
Total Hardness by SM 2340B - Westborough Lab Associated sample(s): 01-20 QC Batch ID: WG531277-3 WG531277-4 QC Sample: L1206743-02 Client ID: MW-4DO										
Hardness	25	66.2	91	100		95	106	75-125	4	20

INORGANICS
&
MISCELLANEOUS

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206743
Report Date: 05/01/12

SAMPLE RESULTS

Lab ID: L1206743-13
Client ID: SW-09
Sample Location: SOUTH KINGSTON, RI
Matrix: Water

Date Collected: 04/18/12 09:39
Date Received: 04/18/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	--	1	04/19/12 20:00	04/23/12 14:42	1,9010B/9012A	JO
Nitrogen, Ammonia	ND		mg/l	0.075	--	1	04/20/12 13:30	04/24/12 21:34	30,4500NH3-BH	AT
Nitrogen, Nitrate	ND		mg/l	0.100	--	1	-	04/19/12 01:28	30,4500NO3-F	TH
Phosphorus, Total	0.011		mg/l	0.010	--	1	04/19/12 12:00	04/19/12 15:52	30,4500P-E	SD
Sulfide	ND		mg/l	0.10	--	1	04/20/12 18:00	04/20/12 21:13	1,9030B	AT
Total Organic Carbon	4.0		mg/l	1.0	--	2	-	04/20/12 10:43	1,9060	SD

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206743
Report Date: 05/01/12

SAMPLE RESULTS

Lab ID: L1206743-14
Client ID: DUP (SW-09)
Sample Location: SOUTH KINGSTON, RI
Matrix: Water

Date Collected: 04/18/12 09:39
Date Received: 04/18/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	--	1	04/19/12 20:00	04/23/12 14:44	1,9010B/9012A	JO
Nitrogen, Ammonia	ND		mg/l	0.075	--	1	04/20/12 13:30	04/24/12 21:34	30,4500NH3-BH	AT
Nitrogen, Nitrate	ND		mg/l	0.10	--	1	-	04/19/12 01:31	30,4500NO3-F	TH
Phosphorus, Total	0.014		mg/l	0.010	--	1	04/19/12 12:00	04/19/12 15:52	30,4500P-E	SD
Sulfide	ND		mg/l	0.10	--	1	04/20/12 18:00	04/20/12 21:14	1,9030B	AT
Total Organic Carbon	4.0		mg/l	1.0	--	2	-	04/20/12 10:43	1,9060	SD

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206743
Report Date: 05/01/12

SAMPLE RESULTS

Lab ID: L1206743-15
Client ID: SW-17
Sample Location: SOUTH KINGSTON, RI
Matrix: Water

Date Collected: 04/18/12 10:00
Date Received: 04/18/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	--	1	04/19/12 20:00	04/23/12 14:45	1,9010B/9012A	JO
Nitrogen, Ammonia	0.204		mg/l	0.075	--	1	04/20/12 13:30	04/24/12 21:35	30,4500NH3-BH	AT
Nitrogen, Nitrate	1.0		mg/l	0.10	--	1	-	04/19/12 01:32	30,4500NO3-F	TH
Phosphorus, Total	0.034		mg/l	0.010	--	1	04/19/12 12:00	04/19/12 15:52	30,4500P-E	SD
Sulfide	ND		mg/l	0.10	--	1	04/20/12 18:00	04/20/12 21:15	1,9030B	AT
Total Organic Carbon	5.5		mg/l	1.0	--	2	-	04/20/12 10:43	1,9060	SD

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206743
Report Date: 05/01/12

SAMPLE RESULTS

Lab ID: L1206743-16
Client ID: SW-04
Sample Location: SOUTH KINGSTON, RI
Matrix: Water

Date Collected: 04/18/12 12:00
Date Received: 04/18/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	--	1	04/19/12 20:00	04/23/12 14:46	1,9010B/9012A	JO
Nitrogen, Ammonia	0.271		mg/l	0.075	--	1	04/20/12 13:30	04/24/12 21:36	30,4500NH3-BH	AT
Nitrogen, Nitrate	0.83		mg/l	0.10	--	1	-	04/19/12 01:33	30,4500NO3-F	TH
Phosphorus, Total	0.045		mg/l	0.010	--	1	04/19/12 12:00	04/19/12 15:53	30,4500P-E	SD
Sulfide	ND		mg/l	0.10	--	1	04/20/12 18:00	04/20/12 21:16	1,9030B	AT
Total Organic Carbon	6.1		mg/l	1.0	--	2	-	04/20/12 10:43	1,9060	SD

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206743
Report Date: 05/01/12

SAMPLE RESULTS

Lab ID: L1206743-17
Client ID: SW-2
Sample Location: SOUTH KINGSTON, RI
Matrix: Water

Date Collected: 04/18/12 08:03
Date Received: 04/18/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	--	1	04/19/12 20:00	04/23/12 14:46	1,9010B/9012A	JO
Nitrogen, Ammonia	0.134		mg/l	0.075	--	1	04/20/12 13:30	04/24/12 21:37	30,4500NH3-BH	AT
Nitrogen, Nitrate	0.73		mg/l	0.10	--	1	-	04/19/12 01:33	30,4500NO3-F	TH
Phosphorus, Total	0.067		mg/l	0.010	--	1	04/19/12 12:00	04/19/12 15:53	30,4500P-E	SD
Sulfide	ND		mg/l	0.10	--	1	04/20/12 18:00	04/20/12 21:17	1,9030B	AT
Total Organic Carbon	4.9		mg/l	1.0	--	2	-	04/20/12 10:43	1,9060	SD

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206743
Report Date: 05/01/12

SAMPLE RESULTS

Lab ID: L1206743-18
Client ID: SW-1
Sample Location: SOUTH KINGSTON, RI
Matrix: Water

Date Collected: 04/18/12 08:16
Date Received: 04/18/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	--	1	04/19/12 20:00	04/23/12 14:47	1,9010B/9012A	JO
Nitrogen, Ammonia	0.087		mg/l	0.075	--	1	04/20/12 13:30	04/24/12 21:38	30,4500NH3-BH	AT
Nitrogen, Nitrate	0.11		mg/l	0.10	--	1	-	04/19/12 01:34	30,4500NO3-F	TH
Phosphorus, Total	0.018		mg/l	0.010	--	1	04/19/12 12:00	04/19/12 15:53	30,4500P-E	SD
Sulfide	ND		mg/l	0.10	--	1	04/20/12 18:00	04/20/12 23:08	1,9030B	AT
Total Organic Carbon	4.4		mg/l	1.0	--	2	-	04/20/12 10:43	1,9060	SD

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206743
Report Date: 05/01/12

SAMPLE RESULTS

Lab ID: L1206743-19
Client ID: SW-06
Sample Location: SOUTH KINGSTON, RI
Matrix: Water

Date Collected: 04/18/12 13:50
Date Received: 04/18/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	--	1	04/19/12 20:00	04/23/12 14:48	1,9010B/9012A	JO
Nitrogen, Ammonia	0.352		mg/l	0.075	--	1	04/20/12 13:30	04/24/12 21:39	30,4500NH3-BH	AT
Nitrogen, Nitrate	0.70		mg/l	0.10	--	1	-	04/19/12 01:35	30,4500NO3-F	TH
Phosphorus, Total	0.029		mg/l	0.010	--	1	04/19/12 12:00	04/19/12 15:54	30,4500P-E	SD
Sulfide	ND		mg/l	0.10	--	1	04/20/12 18:00	04/20/12 23:08	1,9030B	AT
Total Organic Carbon	4.5		mg/l	1.0	--	2	-	04/20/12 10:43	1,9060	SD

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206743
Report Date: 05/01/12

SAMPLE RESULTS

Lab ID: L1206743-20
Client ID: FIELD BLANK (SW)
Sample Location: SOUTH KINGSTON, RI
Matrix: Water

Date Collected: 04/18/12 00:00
Date Received: 04/18/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	--	1	04/19/12 20:00	04/23/12 14:49	1,9010B/9012A	JO
Nitrogen, Ammonia	ND		mg/l	0.075	--	1	04/20/12 13:30	04/24/12 21:40	30,4500NH3-BH	AT
Nitrogen, Nitrate	ND		mg/l	0.10	--	1	-	04/19/12 01:35	30,4500NO3-F	TH
Phosphorus, Total	ND		mg/l	0.010	--	1	04/19/12 12:00	04/19/12 15:54	30,4500P-E	SD
Sulfide	ND		mg/l	0.10	--	1	04/20/12 18:00	04/20/12 23:08	1,9030B	AT
Total Organic Carbon	ND		mg/l	0.50	--	1	-	04/20/12 10:43	1,9060	SD

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 13-20 Batch: WG530118-1										
Nitrogen, Nitrate	ND		mg/l	0.10	--	1	-	04/19/12 01:27	30,4500NO3-F	TH
General Chemistry - Westborough Lab for sample(s): 13-20 Batch: WG530330-1										
Phosphorus, Total	ND		mg/l	0.010	--	1	04/19/12 12:00	04/19/12 15:47	30,4500P-E	SD
General Chemistry - Westborough Lab for sample(s): 13-20 Batch: WG530342-1										
Cyanide, Total	ND		mg/l	0.005	--	1	04/19/12 20:00	04/23/12 14:27	1,9010B/9012A	JO
General Chemistry - Westborough Lab for sample(s): 13-20 Batch: WG530518-1										
Nitrogen, Ammonia	ND		mg/l	0.075	--	1	04/20/12 13:30	04/24/12 21:21	30,4500NH3-BH	AT
General Chemistry - Westborough Lab for sample(s): 13-20 Batch: WG530662-1										
Total Organic Carbon	ND		mg/l	0.50	--	1	-	04/20/12 10:43	1,9060	SD
General Chemistry - Westborough Lab for sample(s): 13-20 Batch: WG530678-1										
Sulfide	ND		mg/l	0.10	--	1	04/20/12 18:00	04/20/12 23:06	1,9030B	AT

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206743
Report Date: 05/01/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 13-20 Batch: WG530118-2								
Nitrogen, Nitrate	98		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 13-20 Batch: WG530330-2								
Phosphorus, Total	98		-		80-120	-		
General Chemistry - Westborough Lab Associated sample(s): 13-20 Batch: WG530342-2 WG530342-3								
Cyanide, Total	101		102		80-120	1		20
General Chemistry - Westborough Lab Associated sample(s): 13-20 Batch: WG530518-2								
Nitrogen, Ammonia	98		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 13-20 Batch: WG530662-2								
Total Organic Carbon	102		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 13-20 Batch: WG530678-2								
Sulfide	77		-		75-125	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1206743
Report Date: 05/01/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 13-20 QC Batch ID: WG530118-4 QC Sample: L1206748-09 Client ID: MS Sample												
Nitrogen, Nitrate	0.86	4	4.9	101		-	-		83-113	-		17
General Chemistry - Westborough Lab Associated sample(s): 13-20 QC Batch ID: WG530330-3 QC Sample: L1206657-15 Client ID: MS Sample												
Phosphorus, Total	0.040	0.5	0.566	105		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 13-20 QC Batch ID: WG530342-4 WG530342-5 QC Sample: L1206767-02 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.203	102		0.206	103		80-120	1		20
General Chemistry - Westborough Lab Associated sample(s): 13-20 QC Batch ID: WG530518-4 QC Sample: L1206657-15 Client ID: MS Sample												
Nitrogen, Ammonia	0.090	4	3.94	96		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 13-20 QC Batch ID: WG530662-3 QC Sample: L1206657-15 Client ID: MS Sample												
Total Organic Carbon	6.6	8	15	102		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 13-20 QC Batch ID: WG530678-3 QC Sample: L1206657-15 Client ID: MS Sample												
Sulfide	ND	0.22	0.17	77		-	-		70-130	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206743
Report Date: 05/01/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 13-20 QC Batch ID: WG530118-3 QC Sample: L1206748-09 Client ID: DUP Sample						
Nitrogen, Nitrate	0.86	0.86	mg/l	0		17
General Chemistry - Westborough Lab Associated sample(s): 13-20 QC Batch ID: WG530330-4 QC Sample: L1206657-15 Client ID: DUP Sample						
Phosphorus, Total	0.040	0.041	mg/l	2		20
General Chemistry - Westborough Lab Associated sample(s): 13-20 QC Batch ID: WG530518-3 QC Sample: L1206657-15 Client ID: DUP Sample						
Nitrogen, Ammonia	0.090	0.112	mg/l	**22**	Q	20
General Chemistry - Westborough Lab Associated sample(s): 13-20 QC Batch ID: WG530662-4 QC Sample: L1206657-15 Client ID: DUP Sample						
Total Organic Carbon	6.6	6.7	mg/l	2		20
General Chemistry - Westborough Lab Associated sample(s): 13-20 QC Batch ID: WG530678-4 QC Sample: L1206657-15 Client ID: DUP Sample						
Sulfide	ND	ND	mg/l	NC		20

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206743
Report Date: 05/01/12

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information	Custody Seal
Cooler	
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1206743-01A	Vial HCl preserved	A	N/A	3.6	Y	Absent	8260(14)
L1206743-01B	Vial HCl preserved	A	N/A	3.6	Y	Absent	8260(14)
L1206743-01C	Amber 1000ml unpreserved	A	7	3.6	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206743-01D	Amber 1000ml unpreserved	A	7	3.6	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206743-01E	Plastic 250ml HNO3 preserved	A	<2	3.6	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180),NA-TI(180)
L1206743-02A	Vial HCl preserved	B	N/A	3.9	Y	Absent	8260(14)
L1206743-02B	Vial HCl preserved	B	N/A	3.9	Y	Absent	8260(14)
L1206743-02C	Vial HCl preserved	B	N/A	3.9	Y	Absent	8260(14)
L1206743-02D	Vial HCl preserved	B	N/A	3.9	Y	Absent	8260(14)
L1206743-02E	Vial HCl preserved	B	N/A	3.9	Y	Absent	8260(14)
L1206743-02F	Vial HCl preserved	B	N/A	3.9	Y	Absent	8260(14)
L1206743-02G	Amber 1000ml unpreserved	B	7	3.9	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206743-02H	Amber 1000ml unpreserved	B	7	3.9	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206743-02I	Amber 1000ml unpreserved	B	7	3.9	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206743-02J	Amber 1000ml unpreserved	B	7	3.9	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206743-02K	Amber 1000ml unpreserved	B	7	3.9	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206743-02L	Amber 1000ml unpreserved	B	7	3.9	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206743-02M	Plastic 250ml HNO3 preserved	B	<2	3.9	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206743
Report Date: 05/01/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1206743-02N	Plastic 250ml HNO3 preserved	B	<2	3.9	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180),NA-TI(180)
L1206743-02O	Plastic 250ml HNO3 preserved	B	<2	3.9	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180),NA-TI(180)
L1206743-03A	Vial HCl preserved	B	N/A	3.9	Y	Absent	8260(14)
L1206743-03B	Vial HCl preserved	B	N/A	3.9	Y	Absent	8260(14)
L1206743-03C	Amber 1000ml unpreserved	B	7	3.9	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206743-03D	Amber 1000ml unpreserved	B	7	3.9	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206743-03E	Plastic 250ml HNO3 preserved	C	<2	2.9	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180),NA-TI(180)
L1206743-04A	Vial HCl preserved	C	N/A	2.9	Y	Absent	8260(14)
L1206743-04B	Vial HCl preserved	C	N/A	2.9	Y	Absent	8260(14)
L1206743-04C	Amber 1000ml unpreserved	C	7	2.9	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206743-04D	Amber 1000ml unpreserved	C	7	2.9	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206743-04E	Plastic 250ml HNO3 preserved	C	<2	2.9	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180),NA-TI(180)
L1206743-05A	Vial HCl preserved	C	N/A	2.9	Y	Absent	8260(14)
L1206743-05B	Vial HCl preserved	C	N/A	2.9	Y	Absent	8260(14)
L1206743-05C	Amber 1000ml unpreserved	C	7	2.9	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206743-05D	Amber 1000ml unpreserved	C	7	2.9	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206743-05E	Plastic 250ml HNO3 preserved	C	<2	2.9	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180),NA-TI(180)
L1206743-06A	Vial HCl preserved	C	N/A	2.9	Y	Absent	8260(14)
L1206743-06B	Vial HCl preserved	C	N/A	2.9	Y	Absent	8260(14)

*Values in parentheses indicate holding time in days

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206743
Report Date: 05/01/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1206743-06C	Amber 1000ml unpreserved	C	7	2.9	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206743-06D	Amber 1000ml unpreserved	C	7	2.9	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206743-06E	Plastic 250ml HNO3 preserved	C	<2	2.9	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180),NA-TI(180)
L1206743-07A	Vial HCl preserved	C	N/A	2.9	Y	Absent	8260(14)
L1206743-07B	Vial HCl preserved	C	N/A	2.9	Y	Absent	8260(14)
L1206743-07C	Amber 1000ml unpreserved	C	7	2.9	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206743-07D	Amber 1000ml unpreserved	C	7	2.9	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206743-07E	Plastic 250ml HNO3 preserved	C	<2	2.9	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180),NA-TI(180)
L1206743-08A	Vial HCl preserved	A	N/A	3.6	Y	Absent	8260(14)
L1206743-08B	Vial HCl preserved	A	N/A	3.6	Y	Absent	8260(14)
L1206743-08C	Amber 1000ml unpreserved	A	7	3.6	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206743-08D	Amber 1000ml unpreserved	A	7	3.6	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206743-08E	Plastic 250ml HNO3 preserved	A	<2	3.6	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180),NA-TI(180)
L1206743-09A	Vial HCl preserved	A	N/A	3.6	Y	Absent	8260(14)
L1206743-09B	Vial HCl preserved	A	N/A	3.6	Y	Absent	8260(14)
L1206743-09C	Amber 1000ml unpreserved	A	7	3.6	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206743-09D	Amber 1000ml unpreserved	A	7	3.6	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206743-09E	Plastic 250ml HNO3 preserved	A	<2	3.6	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180),NA-TI(180)
L1206743-10A	Vial HCl preserved	A	N/A	3.6	Y	Absent	8260(14)
L1206743-10B	Vial HCl preserved	A	N/A	3.6	Y	Absent	8260(14)
L1206743-10C	Amber 1000ml unpreserved	A	7	3.6	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206743-10D	Amber 1000ml unpreserved	A	7	3.6	Y	Absent	8270TCL(7),8270TCL-SIM(7)

*Values in parentheses indicate holding time in days

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206743
Report Date: 05/01/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1206743-10E	Plastic 250ml HNO3 preserved	A	<2	3.6	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180),NA-TI(180)
L1206743-11A	Vial HCl preserved	A	N/A	3.6	Y	Absent	8260(14)
L1206743-11B	Vial HCl preserved	A	N/A	3.6	Y	Absent	8260(14)
L1206743-11C	Amber 1000ml unpreserved	A	7	3.6	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206743-11E	Plastic 250ml HNO3 preserved	A	<2	3.6	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180),NA-TI(180)
L1206743-12A	Vial HCl preserved	A	N/A	3.6	Y	Absent	8260(14)
L1206743-12B	Vial HCl preserved	A	N/A	3.6	Y	Absent	8260(14)
L1206743-12C	Amber 1000ml unpreserved	A	7	3.6	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206743-12D	Amber 1000ml unpreserved	A	7	3.6	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1206743-12E	Plastic 250ml HNO3 preserved	A	<2	3.6	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180),NA-TI(180)
L1206743-13A	Vial H2SO4 preserved	B	N/A	3.9	Y	Absent	TOC-9060(28)
L1206743-13B	Vial H2SO4 preserved	B	N/A	3.9	Y	Absent	TOC-9060(28)
L1206743-13C	Plastic 250ml HNO3 preserved	B	<2	3.9	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT(180)
L1206743-13D	Plastic 250ml unpreserved	B	7	3.9	Y	Absent	NO3-4500(2)
L1206743-13E	Plastic 250ml NaOH preserved	B	>12	3.9	Y	Absent	TCN-9010(14)
L1206743-13F	Plastic 500ml H2SO4 preserved	B	<2	3.9	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1206743-13G	Plastic 250ml Zn Acetate/NaOH pr	B	>12	3.9	Y	Absent	SULFIDE-9030(7)
L1206743-13H	Plastic 250ml Zn Acetate/NaOH pr	B	>12	3.9	Y	Absent	SULFIDE-9030(7)
L1206743-13I	Plastic 250ml HNO3 preserved	B	<2	3.9	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT(180)

*Values in parentheses indicate holding time in days

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206743
Report Date: 05/01/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1206743-13J	Plastic 500ml unpreserved	C	7	2.9	Y	Absent	-
L1206743-13X	Plastic 250ml HNO3 preserved spl	C	<2	2.9	Y	Absent	CU-6020S(180),MN-6020S(180),ZN-6020S(180),CR-6020S(180),FE-6020S(180),NI-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),AL-6020S(180),CD-6020S(180)
L1206743-14A	Vial H2SO4 preserved	C	N/A	2.9	Y	Absent	TOC-9060(28)
L1206743-14B	Vial H2SO4 preserved	C	N/A	2.9	Y	Absent	TOC-9060(28)
L1206743-14C	Plastic 250ml HNO3 preserved	C	<2	2.9	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT(180)
L1206743-14D	Plastic 250ml unpreserved	C	7	2.9	Y	Absent	NO3-4500(2)
L1206743-14E	Plastic 250ml NaOH preserved	C	>12	2.9	Y	Absent	TCN-9010(14)
L1206743-14F	Plastic 500ml H2SO4 preserved	C	<2	2.9	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1206743-14G	Plastic 250ml Zn Acetate/NaOH pr	C	>12	2.9	Y	Absent	SULFIDE-9030(7)
L1206743-14H	Plastic 250ml Zn Acetate/NaOH pr	C	>12	2.9	Y	Absent	SULFIDE-9030(7)
L1206743-14I	Plastic 250ml HNO3 preserved	C	<2	2.9	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT(180)
L1206743-14J	Plastic 500ml unpreserved	C	7	2.9	Y	Absent	-
L1206743-14X	Plastic 250ml HNO3 preserved spl	C	<2	2.9	Y	Absent	CU-6020S(180),MN-6020S(180),ZN-6020S(180),CR-6020S(180),FE-6020S(180),NI-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),AL-6020S(180),CD-6020S(180)
L1206743-15A	Vial H2SO4 preserved	C	N/A	2.9	Y	Absent	TOC-9060(28)
L1206743-15B	Vial H2SO4 preserved	C	N/A	2.9	Y	Absent	TOC-9060(28)
L1206743-15C	Plastic 250ml HNO3 preserved	C	<2	2.9	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT(180)
L1206743-15D	Plastic 250ml unpreserved	C	7	2.9	Y	Absent	NO3-4500(2)
L1206743-15E	Plastic 250ml NaOH preserved	C	>12	2.9	Y	Absent	TCN-9010(14)
L1206743-15F	Plastic 500ml H2SO4 preserved	C	<2	2.9	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1206743-15G	Plastic 250ml Zn Acetate/NaOH pr	C	>12	2.9	Y	Absent	SULFIDE-9030(7)
L1206743-15H	Plastic 250ml Zn Acetate/NaOH pr	C	>12	2.9	Y	Absent	SULFIDE-9030(7)

*Values in parentheses indicate holding time in days

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206743
Report Date: 05/01/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1206743-15I	Plastic 250ml HNO3 preserved	C	<2	2.9	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT(180)
L1206743-15J	Plastic 500ml unpreserved	C	7	2.9	Y	Absent	-
L1206743-15X	Plastic 250ml HNO3 preserved spl	C	<2	2.9	Y	Absent	CU-6020S(180),MN-6020S(180),ZN-6020S(180),CR-6020S(180),FE-6020S(180),NI-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),AL-6020S(180),CD-6020S(180)
L1206743-16A	Vial H2SO4 preserved	A	N/A	3.6	Y	Absent	TOC-9060(28)
L1206743-16B	Vial H2SO4 preserved	A	N/A	3.6	Y	Absent	TOC-9060(28)
L1206743-16C	Plastic 250ml HNO3 preserved	A	<2	3.6	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT(180)
L1206743-16D	Plastic 250ml unpreserved	A	7	3.6	Y	Absent	NO3-4500(2)
L1206743-16E	Plastic 250ml NaOH preserved	A	>12	3.6	Y	Absent	TCN-9010(14)
L1206743-16F	Plastic 500ml H2SO4 preserved	A	<2	3.6	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1206743-16G	Plastic 250ml Zn Acetate/NaOH pr	A	>12	3.6	Y	Absent	SULFIDE-9030(7)
L1206743-16H	Plastic 250ml Zn Acetate/NaOH pr	A	>12	3.6	Y	Absent	SULFIDE-9030(7)
L1206743-16I	Plastic 250ml HNO3 preserved	A	<2	3.6	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT(180)
L1206743-16J	Plastic 500ml unpreserved	A	7	3.6	Y	Absent	-
L1206743-16X	Plastic 250ml HNO3 preserved spl	A	<2	3.6	Y	Absent	CU-6020S(180),MN-6020S(180),ZN-6020S(180),CR-6020S(180),FE-6020S(180),NI-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),AL-6020S(180),CD-6020S(180)
L1206743-17A	Vial H2SO4 preserved	A	N/A	3.6	Y	Absent	TOC-9060(28)
L1206743-17B	Vial H2SO4 preserved	A	N/A	3.6	Y	Absent	TOC-9060(28)
L1206743-17C	Plastic 250ml HNO3 preserved	A	<2	3.6	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT(180)

*Values in parentheses indicate holding time in days

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206743
Report Date: 05/01/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1206743-17D	Plastic 250ml unpreserved	A	7	3.6	Y	Absent	NO3-4500(2)
L1206743-17E	Plastic 250ml NaOH preserved	A	>12	3.6	Y	Absent	TCN-9010(14)
L1206743-17F	Plastic 500ml H2SO4 preserved	A	<2	3.6	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1206743-17G	Plastic 250ml Zn Acetate/NaOH pr	A	>12	3.6	Y	Absent	SULFIDE-9030(7)
L1206743-17H	Plastic 250ml Zn Acetate/NaOH pr	B	>12	3.9	Y	Absent	SULFIDE-9030(7)
L1206743-17I	Plastic 250ml HNO3 preserved	B	<2	3.9	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT(180)
L1206743-17J	Plastic 500ml unpreserved	B	7	3.9	Y	Absent	-
L1206743-17X	Plastic 250ml HNO3 preserved spl	B	<2	3.9	Y	Absent	CU-6020S(180),MN-6020S(180),ZN-6020S(180),CR-6020S(180),FE-6020S(180),NI-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),AL-6020S(180),CD-6020S(180)
L1206743-18A	Vial H2SO4 preserved	B	N/A	3.9	Y	Absent	TOC-9060(28)
L1206743-18B	Vial H2SO4 preserved	B	N/A	3.9	Y	Absent	TOC-9060(28)
L1206743-18C	Plastic 250ml HNO3 preserved	B	<2	3.9	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT(180)
L1206743-18D	Plastic 250ml unpreserved	B	7	3.9	Y	Absent	NO3-4500(2)
L1206743-18E	Plastic 250ml NaOH preserved	B	>12	3.9	Y	Absent	TCN-9010(14)
L1206743-18F	Plastic 500ml H2SO4 preserved	B	<2	3.9	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1206743-18G	Plastic 250ml Zn Acetate/NaOH pr	B	>12	3.9	Y	Absent	SULFIDE-9030(7)
L1206743-18H	Plastic 250ml Zn Acetate/NaOH pr	B	>12	3.9	Y	Absent	SULFIDE-9030(7)
L1206743-18I	Plastic 250ml HNO3 preserved	B	<2	3.9	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT(180)
L1206743-18J	Plastic 500ml unpreserved	B	7	3.9	Y	Absent	-
L1206743-18X	Plastic 250ml HNO3 preserved spl	B	<2	3.9	Y	Absent	CU-6020S(180),MN-6020S(180),ZN-6020S(180),CR-6020S(180),FE-6020S(180),NI-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),AL-6020S(180),CD-6020S(180)
L1206743-19A	Vial H2SO4 preserved	A	N/A	3.6	Y	Absent	TOC-9060(28)
L1206743-19B	Vial H2SO4 preserved	A	N/A	3.6	Y	Absent	TOC-9060(28)

*Values in parentheses indicate holding time in days

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206743
Report Date: 05/01/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1206743-19C	Plastic 250ml HNO3 preserved	A	<2	3.6	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT(180)
L1206743-19D	Plastic 250ml unpreserved	A	7	3.6	Y	Absent	NO3-4500(2)
L1206743-19E	Plastic 250ml NaOH preserved	A	>12	3.6	Y	Absent	TCN-9010(14)
L1206743-19F	Plastic 500ml H2SO4 preserved	A	<2	3.6	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1206743-19G	Plastic 250ml Zn Acetate/NaOH pr	A	>12	3.6	Y	Absent	SULFIDE-9030(7)
L1206743-19H	Plastic 250ml Zn Acetate/NaOH pr	A	>12	3.6	Y	Absent	SULFIDE-9030(7)
L1206743-19I	Plastic 250ml HNO3 preserved	A	<2	3.6	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT(180)
L1206743-19J	Plastic 500ml unpreserved	A	7	3.6	Y	Absent	-
L1206743-19X	Plastic 250ml HNO3 preserved spl	A	<2	3.6	Y	Absent	CU-6020S(180),MN-6020S(180),ZN-6020S(180),CR-6020S(180),FE-6020S(180),NI-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),AL-6020S(180),CD-6020S(180)
L1206743-20A	Vial H2SO4 preserved	A	N/A	3.6	Y	Absent	TOC-9060(28)
L1206743-20B	Vial H2SO4 preserved	A	N/A	3.6	Y	Absent	TOC-9060(28)
L1206743-20C	Plastic 250ml HNO3 preserved	A	<2	3.6	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT(180)
L1206743-20D	Plastic 250ml unpreserved	A	7	3.6	Y	Absent	NO3-4500(2)
L1206743-20E	Plastic 250ml NaOH preserved	A	>12	3.6	Y	Absent	TCN-9010(14)
L1206743-20F	Plastic 500ml H2SO4 preserved	A	<2	3.6	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1206743-20G	Plastic 250ml Zn Acetate/NaOH pr	B	>12	3.9	Y	Absent	SULFIDE-9030(7)
L1206743-20H	Plastic 250ml Zn Acetate/NaOH pr	B	>12	3.9	Y	Absent	SULFIDE-9030(7)
L1206743-20I	Plastic 250ml HNO3 preserved	B	<2	3.9	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT(180)
L1206743-20J	Plastic 500ml unpreserved	B	7	3.9	Y	Absent	-

*Values in parentheses indicate holding time in days

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1206743
Report Date: 05/01/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1206743-20X	Plastic 250ml HNO3 preserved spl	B	<2	3.9	Y	Absent	CU-6020S(180),MN-6020S(180),ZN-6020S(180),CR-6020S(180),FE-6020S(180),NI-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),AL-6020S(180),CD-6020S(180)

*Values in parentheses indicate holding time in days

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743

Project Number: CJI-1747 **Report Date:** 05/01/12

GLOSSARY

Acronyms

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: Data Usability Report

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1206743
Project Number:	CJI-1747	**Report Date:**	05/01/12

Data Qualifiers

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: ROSE HILL LANDFILL **Lab Number:** L1206743
Project Number: CJI-1747 **Report Date:** 05/01/12

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised January 30, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 8081, 8082, 8330, 8151A, 624, 8260, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014A, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1,

SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3550B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 6020A, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 1312, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE. Organic Parameters: EPA 3510C, 3005A, 3630C, 5030B, 625, 624, 608, 8081A, 8081B, 8082, 802A, 8151A, 8260B, 8270C, 8270D, 8330)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 3060A, 6010B, 6010C, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3546, 3580A, 3630C, 5035, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 3005A,3015,1312,6010B,6010C,SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X. Organic Parameters: EPA 8260B)

Solid & Hazardous Waste (Inorganic Parameters: EPA 3050B, 1311, 1312, 6010B, 6010C, 9030B, 9010B, 9012A, 9014. Organic Parameters: EPA 5035, 5030B, 8260B.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

Serial_No:05011210:40

CHAIN OF CUSTODY

PAGE 1 OF 3

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 04-18-12

ALPHA Job #: L1206743

Client Information

Client: Louis Berger Group
Address: 295 Promenade Street
Providence, RI
Phone: 401 521-5980
Fax:
Email: shogan@louisberger.com

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Rose Hill Landfill
Project Location: South Kingstown, RI
Project #: CJI-1747
Project Manager: Chris Feeney
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/25/12 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program | Criteria

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC-8260	SVOCs-8270	Total Metals										Sample Specific Comments	TOTAL # BOTTLES
06743-1	MW-4S	~~7/18/12~~ 4/18/12	9:05	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		5
2	MW-4DO	~~7/18/12~~ 4/18/12	9:25	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
2	MS (MW-4DO)		9:29	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
2	MSD (MW-4DO)		9:29	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
3	MW-3BR		10:29	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
4	Duplicate (MW-3BR)		10:29	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
5	MW-3S		11:06	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
6	W-12S		11:49	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
7	MW-12DO		12:14	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
8	Res#7		2:16	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
					Container Type	V	A	P	-	-	-	-	-	-	-	-	-		
					Preservative	B	A	C	-	-	-	-	-	-	-	-	-		

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	7/18/12 4:00	[illegible]	4/18/12 1610
[illegible]	4/18/12 1735	[illegible]	4/18/12 1735

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 29-APR-09)

CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 04-18-12

ALPHA Job #: L1206743

Client Information

Client: Louis Berger Group
Address: 295 Promenade Street
Providence, RI
Phone: 401 521-5980
Fax:
Email: shogan@louisberger.com

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Rose Hill Landfill
Project Location: South Kingstown, RI
Project #: CJI-1747
Project Manager: Chris Feeney
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/25/12 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program | Criteria

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC-8260	SVOCs-8270	Total Metals										Sample Specific Comments	TOTAL # BOTTLES
06743-9	Field Blank	4/18/12		GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		5
	~~Trip Blank~~					~~☒~~	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
10	Res #12	" "	8:27	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		5
11	Res #10	" "	2:20	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		4
12	MW13 >	4/17/12	2:32	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		5
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		

Container Type	V	A	P	-	-	-	-	-	-	-	-	-
Preservative	B	A	C	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	4/18/12 4:00	[illegible]	4/18/12 1610
[illegible]	4/18/12 1735	Kate Moss	4/18/12 1735

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 29-APR-09)

Serial_No:05011210:40

CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 04.18.12

ALPHA Job #: L1206743

Client Information

Client: Louis Berger Group
Address: 295 Promenade Street
Providence, RI
Phone: 401 521-5980
Fax:
Email: shogan@louisberger.com

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Rose Hill Landfill
Project Location: South Kingstown, RI
Project #: CJI-1747
Project Manager: Chris Feeney
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/25/12 Time:

Report Information

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program | Criteria

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Sulfide	NH3, TPhos	TCN	TOC	NO3	Dissolved Metals	Total Metals	Hardness					Sample Specific Comments	TOTAL # BOTTLES
06743.13	SW-09	4/18/12	9:39	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		10
14	DUP (SW-09)		9:39	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		
15	SW-17		10:00	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		
16	SW-04		12:00	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		
17	SW-2		8:03	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		
18	SW-1		8:16	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		
19	SW-06		1:50	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		
						☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
				Container Type		P	P	P	V	P	P	P	P	-	-	-	-		
				Preservative		K	D	E	D	A	A	C	C	-	-	-	-		

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	4/18/12 4:20	[illegible]	4/18/12 1640
[illegible]	4/18/12 1735	Kate Moss	4/18/12 1735

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ)
(rev. 29-APR-09)

Serial_No:05011210:40

CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 04.18.12

ALPHA Job #: L1206743

Client Information

Client: Louis Berger Group
Address: 295 Promenade Street
Providence, RI
Phone: 401 521-5980
Fax:
Email: shogan@louisberger.com

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Rose Hill Landfill
Project Location: South Kingstown, RI
Project #: CJI-1747
Project Manager: Chris Feeney
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/25/12 Time:

Report Information

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program | Criteria

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Sulfide	NH3, TPhos	TCN	TOC	NO3	Dissolved Metals	Total Metals	Hardness					Sample Specific Comments	TOTAL # BOTTLES
06743.13	SW-09	4/18/12	9:39	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		10
14	DUP (SW-09)		9:39	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		
15	SW-17		10:00	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		
16	SW-04		12:00	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		
17	SW-2		8:03	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		
18	SW-1		8:16	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		
19	SW-06		1:50	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		
20	FIELD BLANK (SW)	4/18/12	00:00			☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	-ks 4/30/12	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
				Container Type		P	P	P	V	P	P	P	P	-	-	-	-		
				Preservative		K	D	E	D	A	A	C	C	-	-	-	-		

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	4/18/12 4:20	[illegible]	4/18/12 1640
[illegible]	4/18/12 1735	Kate Moss	4/18/12 1735

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ)
(rev. 29-APR-09)

Serial_No:05011210:40

ANALYTICAL REPORT

Lab Number:	L1207215
Client:	Louis A. Berger & Associates 295 Promenade Street Providence, RI 02908
ATTN:	Chris Feeney
Phone:	(401) 521-5980
Project Name:	ROSE HILL LANDFILL
Project Number:	CJI-1747
Report Date:	05/01/12

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Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1207215
Report Date: 05/01/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1207215-01	GP-18	SOUTH KINGSTOWN, RI	04/20/12 15:24
L1207215-02	GP-16	SOUTH KINGSTOWN, RI	04/20/12 15:27
L1207215-03	GP-11	SOUTH KINGSTOWN, RI	04/20/12 15:35
L1207215-04	DUP (GP-11)	SOUTH KINGSTOWN, RI	04/20/12 15:35
L1207215-05	FIELD BLANK	SOUTH KINGSTOWN, RI	04/20/12 11:14
L1207215-06	GP-21	SOUTH KINGSTOWN, RI	04/20/12 11:16
L1207215-07	GF	SOUTH KINGSTOWN, RI	04/20/12 11:19

Project Name: ROSE HILL LANDFILL **Lab Number:** L1207215
Project Number: CJI-1747 **Report Date:** 05/01/12

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Volatile Organics in Air

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1207215
Project Number:	CJI-1747	**Report Date:**	05/01/12

Case Narrative (continued)

Canisters were released from the laboratory on April 12, 2012.
The canister certification results are provided as an addendum.

L1207215-01, -02, and -06 were diluted and re-analyzed to quantitate the samples within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound that exceeded the calibration range.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 05/01/12

AIR

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1207215
Report Date: 05/01/12

SAMPLE RESULTS

Lab ID: L1207215-01
Client ID: GP-18
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/26/12 22:38
Analyst: RY

Date Collected: 04/20/12 15:24
Date Received: 04/25/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	22.8	0.500	--	39.2	0.860	--		1
Dichlorodifluoromethane	0.241	0.200	--	1.19	0.989	--		1
Chloromethane	1.73	0.200	--	3.57	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	4.19	0.200	--	13.0	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	159	0.200	--	469	0.590	--	E	1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.982	0.200	--	3.46	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.656	0.200	--	2.10	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1207215
Report Date: 05/01/12

SAMPLE RESULTS

Lab ID: L1207215-01
Client ID: GP-18
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/20/12 15:24
Date Received: 04/25/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Cyclohexane	0.544	0.200	--	1.87	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.902	0.200	--	3.40	0.754	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	0.416	0.400	--	1.81	1.74	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.206	0.200	--	1.01	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name:	ROSE HILL LANDFILL	***Lab Number:***	L1207215
Project Number:	CJI-1747	***Report Date:***	05/01/12

SAMPLE RESULTS

Lab ID:	L1207215-01	Date Collected:	04/20/12 15:24
Client ID:	GP-18	Date Received:	04/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	110		60-140
Bromochloromethane	105		60-140
chlorobenzene-d5	105		60-140

Project Name:	ROSE HILL LANDFILL	***Lab Number:***	L1207215
Project Number:	CJI-1747	***Report Date:***	05/01/12

SAMPLE RESULTS

Lab ID:	L1207215-01 D	Date Collected:	04/20/12 15:24
Client ID:	GP-18	Date Received:	04/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15		
Analytical Date:	04/28/12 08:47		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
2-Butanone	129	0.500	--	380	1.47	--		2.5

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	108		60-140
Bromochloromethane	108		60-140
chlorobenzene-d5	103		60-140

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1207215
Report Date: 05/01/12

SAMPLE RESULTS

Lab ID: L1207215-02
Client ID: GP-16
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/26/12 23:54
Analyst: RY

Date Collected: 04/20/12 15:27
Date Received: 04/25/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	15.6	0.500	--	26.8	0.860	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	0.522	0.200	--	1.08	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	0.517	0.200	--	1.36	0.528	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	1.09	0.200	--	3.39	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	180	0.200	--	531	0.590	--	E	1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.18	0.200	--	4.16	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.921	0.200	--	2.94	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1207215
Report Date: 05/01/12

SAMPLE RESULTS

Lab ID: L1207215-02
Client ID: GP-16
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/20/12 15:27
Date Received: 04/25/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.916	0.200	--	3.45	0.754	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name:	ROSE HILL LANDFILL	***Lab Number:***	L1207215
Project Number:	CJI-1747	***Report Date:***	05/01/12

SAMPLE RESULTS

Lab ID:	L1207215-02	Date Collected:	04/20/12 15:27
Client ID:	GP-16	Date Received:	04/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	104		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	100		60-140

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1207215
Report Date: 05/01/12

SAMPLE RESULTS

Lab ID:	L1207215-02 D	Date Collected:	04/20/12 15:27
Client ID:	GP-16	Date Received:	04/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15		
Analytical Date:	04/27/12 18:20		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
2-Butanone	159	0.667	--	469	1.97	--		3.333

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	106		60-140
Bromochloromethane	102		60-140
chlorobenzene-d5	100		60-140

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1207215
Report Date: 05/01/12

SAMPLE RESULTS

Lab ID: L1207215-03
Client ID: GP-11
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/27/12 00:30
Analyst: RY

Date Collected: 04/20/12 15:35
Date Received: 04/25/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	10.9	0.500	--	18.8	0.860	--		1
Dichlorodifluoromethane	0.457	0.200	--	2.26	0.989	--		1
Chloromethane	1.51	0.200	--	3.12	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	0.585	0.200	--	1.82	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	31.3	0.200	--	92.3	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.322	0.200	--	1.13	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.484	0.200	--	1.55	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1207215
Report Date: 05/01/12

SAMPLE RESULTS

Lab ID: L1207215-03
Client ID: GP-11
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/20/12 15:35
Date Received: 04/25/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	3.79	0.200	--	14.3	0.754	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	1.59	0.200	--	6.91	0.869	--		1
p/m-Xylene	2.84	0.400	--	12.3	1.74	--		1
Styrene	0.691	0.200	--	2.94	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	2.46	0.200	--	10.7	0.869	--		1
1,3,5-Trimethybenzene	1.84	0.200	--	9.04	0.983	--		1
1,2,4-Trimethylbenzene	8.54	0.200	--	42.0	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name:	ROSE HILL LANDFILL	***Lab Number:***	L1207215
Project Number:	CJI-1747	***Report Date:***	05/01/12

SAMPLE RESULTS

Lab ID:	L1207215-03	Date Collected:	04/20/12 15:35
Client ID:	GP-11	Date Received:	04/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	110		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	108		60-140

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1207215
Report Date: 05/01/12

SAMPLE RESULTS

Lab ID: L1207215-04
Client ID: DUP (GP-11)
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/27/12 01:08
Analyst: RY

Date Collected: 04/20/12 15:35
Date Received: 04/25/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	12.7	0.500	--	21.8	0.860	--		1
Dichlorodifluoromethane	0.359	0.200	--	1.78	0.989	--		1
Chloromethane	1.57	0.200	--	3.24	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Trichlorofluoromethane	0.259	0.200	--	1.46	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	1.43	0.200	--	4.45	0.623	--		1
Freon-113	0.231	0.200	--	1.77	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	19.9	0.200	--	58.7	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.583	0.200	--	2.05	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	1.15	0.200	--	3.67	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1207215
Report Date: 05/01/12

SAMPLE RESULTS

Lab ID: L1207215-04
Client ID: DUP (GP-11)
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/20/12 15:35
Date Received: 04/25/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.03	0.200	--	3.88	0.754	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.242	0.200	--	1.19	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name:	ROSE HILL LANDFILL	***Lab Number:***	L1207215
Project Number:	CJI-1747	***Report Date:***	05/01/12

SAMPLE RESULTS

Lab ID:	L1207215-04	Date Collected:	04/20/12 15:35
Client ID:	DUP (GP-11)	Date Received:	04/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	105		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	100		60-140

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1207215
Report Date: 05/01/12

SAMPLE RESULTS

Lab ID: L1207215-05
Client ID: FIELD BLANK
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/26/12 15:57
Analyst: RY

Date Collected: 04/20/12 11:14
Date Received: 04/25/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	ND	0.500	--	ND	0.860	--		1
Dichlorodifluoromethane	0.404	0.200	--	2.00	0.989	--		1
Chloromethane	0.477	0.200	--	0.985	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.242	0.200	--	0.714	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1207215
Report Date: 05/01/12

SAMPLE RESULTS

Lab ID: L1207215-05
Client ID: FIELD BLANK
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/20/12 11:14
Date Received: 04/25/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1207215
Report Date: 05/01/12

SAMPLE RESULTS

Lab ID: L1207215-05
Client ID: FIELD BLANK
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/20/12 11:14
Date Received: 04/25/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	106		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	102		60-140

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1207215
Report Date: 05/01/12

SAMPLE RESULTS

Lab ID: L1207215-06
Client ID: GP-21
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/27/12 01:46
Analyst: RY

Date Collected: 04/20/12 11:16
Date Received: 04/25/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	25.7	0.500	--	44.2	0.860	--		1
Dichlorodifluoromethane	0.350	0.200	--	1.73	0.989	--		1
Chloromethane	1.37	0.200	--	2.83	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	0.211	0.200	--	0.557	0.528	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	2.55	0.200	--	7.94	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	215	0.200	--	634	0.590	--	E	1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.45	0.200	--	5.11	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.818	0.200	--	2.61	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1207215
Report Date: 05/01/12

SAMPLE RESULTS

Lab ID: L1207215-06
Client ID: GP-21
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/20/12 11:16
Date Received: 04/25/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.56	0.200	--	5.88	0.754	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.259	0.200	--	1.12	0.869	--		1
p/m-Xylene	0.637	0.400	--	2.77	1.74	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.346	0.200	--	1.50	0.869	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.713	0.200	--	3.50	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name:	ROSE HILL LANDFILL	***Lab Number:***	L1207215
Project Number:	CJI-1747	***Report Date:***	05/01/12

SAMPLE RESULTS

Lab ID:	L1207215-06	Date Collected:	04/20/12 11:16
Client ID:	GP-21	Date Received:	04/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	115		60-140
Bromochloromethane	106		60-140
chlorobenzene-d5	109		60-140

Project Name:	ROSE HILL LANDFILL	***Lab Number:***	L1207215
Project Number:	CJI-1747	***Report Date:***	05/01/12

SAMPLE RESULTS

Lab ID:	L1207215-06 D	Date Collected:	04/20/12 11:16
Client ID:	GP-21	Date Received:	04/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15		
Analytical Date:	04/27/12 18:54		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
2-Butanone	160	0.667	--	472	1.97	--		3.333

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	100		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	98		60-140

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1207215
Report Date: 05/01/12

SAMPLE RESULTS

Lab ID: L1207215-07
Client ID: GF
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/27/12 02:23
Analyst: RY

Date Collected: 04/20/12 11:19
Date Received: 04/25/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	7.90	0.500	--	13.6	0.860	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	0.212	0.200	--	0.438	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	0.973	0.200	--	2.49	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	13.9	0.200	--	41.0	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1207215
Report Date: 05/01/12

SAMPLE RESULTS

Lab ID: L1207215-07
Client ID: GF
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/20/12 11:19
Date Received: 04/25/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1207215
Report Date: 05/01/12

SAMPLE RESULTS

Lab ID: L1207215-07
Client ID: GF
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/20/12 11:19
Date Received: 04/25/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	112		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	101		60-140

Project Name: ROSE HILL LANDFILL **Lab Number:** L1207215

Project Number: CJI-1747 **Report Date:** 05/01/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/26/12 14:41

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-07 Batch: WG531878-4								
Propylene	ND	0.500	--	ND	0.860	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1207215

Project Number: CJI-1747 **Report Date:** 05/01/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/26/12 14:41

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-07 Batch: WG531878-4								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1207215
Report Date: 05/01/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/26/12 14:41

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-07 Batch: WG531878-4								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1207215
Report Date: 05/01/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/27/12 16:48

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02,06 Batch: WG531878-9								
2-Butanone	ND	0.200	--	ND	0.590	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1207215
Report Date: 05/01/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 Batch: WG531878-3								
Chlorodifluoromethane	71		-		70-130	-		
Propylene	93		-		70-130	-		
Propane	84		-		70-130	-		
Dichlorodifluoromethane	84		-		70-130	-		
Chloromethane	80		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	78		-		70-130	-		
Methanol	81		-		70-130	-		
Vinyl chloride	77		-		70-130	-		
1,3-Butadiene	78		-		70-130	-		
Butane	76		-		70-130	-		
Bromomethane	76		-		70-130	-		
Chloroethane	75		-		70-130	-		
Ethyl Alcohol	90		-		70-130	-		
Dichlorofluoromethane	73		-		70-130	-		
Vinyl bromide	75		-		70-130	-		
Acrolein	101		-		70-130	-		
Acetone	109		-		70-130	-		
Acetonitrile	116		-		70-130	-		
Trichlorofluoromethane	73		-		70-130	-		
iso-Propyl Alcohol	91		-		70-130	-		
Acrylonitrile	101		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1207215
Report Date: 05/01/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 Batch: WG531878-3								
Pentane	70		-		70-130	-		
Ethyl ether	96		-		70-130	-		
1,1-Dichloroethene	73		-		70-130	-		
Methylene chloride	76		-		70-130	-		
3-Chloropropene	72		-		70-130	-		
Carbon disulfide	76		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	79		-		70-130	-		
trans-1,2-Dichloroethene	70		-		70-130	-		
1,1-Dichloroethane	85		-		70-130	-		
Methyl tert butyl ether	100		-		70-130	-		
Vinyl acetate	129		-		70-130	-		
2-Butanone	113		-		70-130	-		
cis-1,2-Dichloroethene	96		-		70-130	-		
Ethyl Acetate	122		-		70-130	-		
Chloroform	97		-		70-130	-		
Tetrahydrofuran	108		-		70-130	-		
2,2-Dichloropropane	76		-		70-130	-		
1,2-Dichloroethane	88		-		70-130	-		
n-Hexane	88		-		70-130	-		
Isopropyl Ether	107		-		70-130	-		
Ethyl-Tert-Butyl-Ether	102		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1207215
Report Date: 05/01/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 Batch: WG531878-3								
1,1,1-Trichloroethane	88		-		70-130	-		
1,1-Dichloropropene	88		-		70-130	-		
Benzene	93		-		70-130	-		
Carbon tetrachloride	85		-		70-130	-		
Cyclohexane	87		-		70-130	-		
Tertiary-Amyl Methyl Ether	102		-		70-130	-		
Dibromomethane	91		-		70-130	-		
1,2-Dichloropropane	104		-		70-130	-		
Bromodichloromethane	95		-		70-130	-		
1,4-Dioxane	110		-		70-130	-		
Trichloroethene	90		-		70-130	-		
2,2,4-Trimethylpentane	100		-		70-130	-		
Heptane	98		-		70-130	-		
2,4,4-Trimethyl-1-Pentene	98		-		70-130	-		
cis-1,3-Dichloropropene	98		-		70-130	-		
4-Methyl-2-pentanone	114		-		70-130	-		
2,4,4-Trimethyl-2-Pentene	93		-		70-130	-		
trans-1,3-Dichloropropene	85		-		70-130	-		
1,1,2-Trichloroethane	105		-		70-130	-		
Toluene	102		-		70-130	-		
1,3-Dichloropropane	106		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1207215
Report Date: 05/01/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 Batch: WG531878-3								
2-Hexanone	116		-		70-130	-		
Dibromochloromethane	105		-		70-130	-		
1,2-Dibromoethane	104		-		70-130	-		
Butyl Acetate	113		-		70-130	-		
Octane	96		-		70-130	-		
Tetrachloroethene	99		-		70-130	-		
1,1,1,2-Tetrachloroethane	96		-		70-130	-		
Chlorobenzene	104		-		70-130	-		
Ethylbenzene	114		-		70-130	-		
p/m-Xylene	114		-		70-130	-		
Bromoform	100		-		70-130	-		
Styrene	118		-		70-130	-		
1,1,2,2-Tetrachloroethane	124		-		70-130	-		
o-Xylene	121		-		70-130	-		
1,2,3-Trichloropropane	113		-		70-130	-		
Nonane (C9)	108		-		70-130	-		
Isopropylbenzene	118		-		70-130	-		
Bromobenzene	116		-		70-130	-		
o-Chlorotoluene	108		-		70-130	-		
n-Propylbenzene	120		-		70-130	-		
p-Chlorotoluene	110		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1207215
Report Date: 05/01/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 Batch: WG531878-3								
4-Ethyltoluene	117		-		70-130	-		
1,3,5-Trimethylbenzene	123		-		70-130	-		
tert-Butylbenzene	122		-		70-130	-		
1,2,4-Trimethylbenzene	128		-		70-130	-		
Decane (C10)	125		-		70-130	-		
Benzyl chloride	110		-		70-130	-		
1,3-Dichlorobenzene	120		-		70-130	-		
1,4-Dichlorobenzene	118		-		70-130	-		
sec-Butylbenzene	125		-		70-130	-		
p-Isopropyltoluene	118		-		70-130	-		
1,2-Dichlorobenzene	122		-		70-130	-		
n-Butylbenzene	130		-		70-130	-		
1,2-Dibromo-3-chloropropane	115		-		70-130	-		
Undecane	130		-		70-130	-		
Dodecane (C12)	126		-		70-130	-		
1,2,4-Trichlorobenzene	118		-		70-130	-		
Naphthalene	110		-		70-130	-		
1,2,3-Trichlorobenzene	116		-		70-130	-		
Hexachlorobutadiene	116		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1207215

Report Date: 05/01/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02,06 Batch: WG531878-8								
2-Butanone	100		-		70-130	-		
Tetrachloroethene	91		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1207215
Report Date: 05/01/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG531878-5 QC Sample: L1207215-04 Client ID: DUP (GP-11)						
Propylene	12.7	12.6	ppbV	1		25
Dichlorodifluoromethane	0.359	0.296	ppbV	19		25
Chloromethane	1.57	1.82	ppbV	15		25
Freon-114	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	0.216	ppbV	NC		25
Trichlorofluoromethane	0.259	0.255	ppbV	2		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
Carbon disulfide	1.43	1.50	ppbV	5		25
Freon-113	0.231	0.246	ppbV	6		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	19.9	20.1	ppbV	1		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
Chloroform	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1207215
Report Date: 05/01/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG531878-5 QC Sample: L1207215-04 Client ID: DUP (GP-11)					
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	0.583	0.574	ppbV	2	25
1,1,1-Trichloroethane	ND	ND	ppbV	NC	25
Benzene	1.15	1.10	ppbV	4	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Cyclohexane	ND	ND	ppbV	NC	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Trichloroethene	ND	ND	ppbV	NC	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	1.03	1.00	ppbV	3	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	ND	ND	ppbV	NC	25
p/m-Xylene	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1207215
Report Date: 05/01/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG531878-5 QC Sample: L1207215-04 Client ID: DUP (GP-11)					
o-Xylene	ND	ND	ppbV	NC	25
1,3,5-Trimethybenzene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	0.242	0.228	ppbV	6	25
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Project Name: ROSE HILL LANDFILL

Lab Number: L1207215

Project Number: CJI-1747

Report Date: 05/01/12

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1207215-01	GP-18	0437	#16 SV	04/12/12	76373		-	-	-	Pass	9.0	8.4	7
L1207215-01	GP-18	1749	2.7L Can	04/12/12	76373	L1205184	Pass	-29.1	-5.5	-	-	-	-
L1207215-02	GP-16	0414	#16 SV	04/12/12	76373		-	-	-	Pass	8.9	8.7	2
L1207215-02	GP-16	1738	2.7L Can	04/12/12	76373	L1205184	Pass	-29.2	-6.0	-	-	-	-
L1207215-03	GP-11	0126	#20 AMB	04/12/12	76373		-	-	-	Pass	9.0	9.0	0
L1207215-03	GP-11	130	2.7L Can	04/12/12	76373	L1205184	Pass	-29.3	-6.3	-	-	-	-
L1207215-04	DUP (GP-11)	0124	#20 SV	04/12/12	76373		-	-	-	Pass	9.0	8.9	1
L1207215-04	DUP (GP-11)	514	2.7L Can	04/12/12	76373	L1205184	Pass	-29.2	-4.8	-	-	-	-
L1207215-05	FIELD BLANK	0374	#16 SV	04/12/12	76373		-	-	-	Pass	9.0	8.8	2
L1207215-05	FIELD BLANK	134	2.7L Can	04/12/12	76373	L1205184	Pass	-29.1	-3.2	-	-	-	-
L1207215-06	GP-21	0070	#16 SV	04/12/12	76373		-	-	-	Pass	9.0	9.0	0
L1207215-06	GP-21	331	2.7L Can	04/12/12	76373	L1205184	Pass	-29.7	-6.3	-	-	-	-
L1207215-07	GF	0154	#20 SV	04/12/12	76373		-	-	-	Pass	9.0	8.8	2
L1207215-07	GF	387	2.7L Can	04/12/12	76373	L1205413	Pass	-29.3	-5.3	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1205184

Project Number: CANISTER QC BAT **Report Date:** 05/01/12

Air Canister Certification Results

Lab ID:	L1205184-01	Date Collected:	03/27/12 15:58
Client ID:	CAN 189 SHELF 13	Date Received:	03/28/12
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15		
Analytical Date:	03/28/12 19:59		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.860	--		1
Propane	ND	0.200	--	ND	0.361	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1205184

Project Number: CANISTER QC BAT **Report Date:** 05/01/12

Air Canister Certification Results

Lab ID: L1205184-01 Date Collected: 03/27/12 15:58

Client ID: CAN 189 SHELF 13 Date Received: 03/28/12

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1205184

Project Number: CANISTER QC BAT **Report Date:** 05/01/12

Air Canister Certification Results

Lab ID: L1205184-01 Date Collected: 03/27/12 15:58

Client ID: CAN 189 SHELF 13 Date Received: 03/28/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
2,4,4-trimethyl-1-pentene	ND	0.500	--	ND	2.29	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
2,4,4-trimethyl-2-pentene	ND	0.500	--	ND	2.29	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1205184

Project Number: CANISTER QC BAT **Report Date:** 05/01/12

Air Canister Certification Results

Lab ID: L1205184-01 Date Collected: 03/27/12 15:58

Client ID: CAN 189 SHELF 13 Date Received: 03/28/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	88		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1205184

Project Number: CANISTER QC BAT **Report Date:** 05/01/12

Air Canister Certification Results

Lab ID:	L1205184-01	Date Collected:	03/27/12 15:58
Client ID:	CAN 189 SHELF 13	Date Received:	03/28/12
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	03/28/12 19:59		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1205184

Project Number: CANISTER QC BAT **Report Date:** 05/01/12

Air Canister Certification Results

Lab ID: L1205184-01 Date Collected: 03/27/12 15:58

Client ID: CAN 189 SHELF 13 Date Received: 03/28/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1205184

Project Number: CANISTER QC BAT **Report Date:** 05/01/12

Air Canister Certification Results

Lab ID: L1205184-01 Date Collected: 03/27/12 15:58

Client ID: CAN 189 SHELF 13 Date Received: 03/28/12

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	96		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	89		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1205413

Project Number: CANISTER QC BAT **Report Date:** 05/01/12

Air Canister Certification Results

Lab ID:	L1205413-01	Date Collected:	03/30/12 14:01
Client ID:	CAN 158 SHELF 7	Date Received:	03/31/12
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15		
Analytical Date:	04/02/12 10:19		
Analyst:	AR		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.860	--		1
Propane	ND	0.200	--	ND	0.361	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1205413

Project Number: CANISTER QC BAT **Report Date:** 05/01/12

Air Canister Certification Results

Lab ID: L1205413-01 Date Collected: 03/30/12 14:01

Client ID: CAN 158 SHELF 7 Date Received: 03/31/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1205413

Project Number: CANISTER QC BAT **Report Date:** 05/01/12

Air Canister Certification Results

Lab ID: L1205413-01 Date Collected: 03/30/12 14:01

Client ID: CAN 158 SHELF 7 Date Received: 03/31/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1205413

Project Number: CANISTER QC BAT **Report Date:** 05/01/12

Air Canister Certification Results

Lab ID: L1205413-01 Date Collected: 03/30/12 14:01

Client ID: CAN 158 SHELF 7 Date Received: 03/31/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	83		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1205413

Project Number: CANISTER QC BAT **Report Date:** 05/01/12

Air Canister Certification Results

Lab ID:	L1205413-01	Date Collected:	03/30/12 14:01
Client ID:	CAN 158 SHELF 7	Date Received:	03/31/12
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	04/02/12 20:02		
Analyst:	AR		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1205413

Project Number: CANISTER QC BAT **Report Date:** 05/01/12

Air Canister Certification Results

Lab ID: L1205413-01 Date Collected: 03/30/12 14:01

Client ID: CAN 158 SHELF 7 Date Received: 03/31/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1205413

Project Number: CANISTER QC BAT **Report Date:** 05/01/12

Air Canister Certification Results

Lab ID: L1205413-01 Date Collected: 03/30/12 14:01

Client ID: CAN 158 SHELF 7 Date Received: 03/31/12

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	91		60-140
bromochloromethane	122		60-140
chlorobenzene-d5	88		60-140

AIR Petro Can Certification

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1205184

Project Number: CANISTER QC BAT **Report Date:** 05/01/12

AIR CAN CERTIFICATION RESULTS

Lab ID:	L1205184-01	Date Collected:	03/27/12 15:58
Client ID:	CAN 189 SHELF 13	Date Received:	03/28/12
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	03/29/12 17:58		
Analyst:	RY		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	--	1
Methyl tert butyl ether	ND		ug/m3	2.0	--	1
Benzene	ND		ug/m3	2.0	--	1
Toluene	ND		ug/m3	2.0	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/m3	12	--	1
Ethylbenzene	ND		ug/m3	2.0	--	1
p/m-Xylene	ND		ug/m3	4.0	--	1
o-Xylene	ND		ug/m3	2.0	--	1
Naphthalene	ND		ug/m3	2.0	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	14	--	1
C9-C10 Aromatics Total	ND		ug/m3	10	--	1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1205413

Project Number: CANISTER QC BAT **Report Date:** 05/01/12

AIR CAN CERTIFICATION RESULTS

Lab ID:	L1205413-01	Date Collected:	03/30/12 14:01
Client ID:	CAN 158 SHELF 7	Date Received:	03/31/12
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	04/05/12 15:47		
Analyst:	MB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	--	1
Methyl tert butyl ether	ND		ug/m3	2.0	--	1
Benzene	ND		ug/m3	2.0	--	1
Toluene	ND		ug/m3	2.0	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/m3	12	--	1
Ethylbenzene	ND		ug/m3	2.0	--	1
p/m-Xylene	ND		ug/m3	4.0	--	1
o-Xylene	ND		ug/m3	2.0	--	1
Naphthalene	ND		ug/m3	2.0	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	14	--	1
C9-C10 Aromatics Total	ND		ug/m3	10	--	1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1207215
Report Date: 05/01/12

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler	
N/A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1207215-01A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1207215-02A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1207215-03A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1207215-04A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1207215-05A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1207215-06A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1207215-07A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name: ROSE HILL LANDFILL **Lab Number:** L1207215

Project Number: CJI-1747 **Report Date:** 05/01/12

GLOSSARY

Acronyms

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: Data Usability Report

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1207215
Project Number:	CJI-1747	**Report Date:**	05/01/12

Data Qualifiers

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: ROSE HILL LANDFILL **Lab Number:** L1207215
Project Number: CJI-1747 **Report Date:** 05/01/12

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised January 30, 2012 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, SM2540G.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 180.1, 245.7, 1631E, 3020, 6020A, 7470A, 9040, 9050A, SM2320B, 2540D, 2540G, 4500H-B, Organic Parameters: EPA 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 5030B, 8015D, 3570, 8081B, 8082A, 8260B, 8270C, 8270D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 1311, 3050, 3051A, 3060A, 6020A, 7196A, 7470A, 7471B, 7474, 9040B, 9045C, 9060. Organic Parameters: EPA 3540C, 3570B, 3580A, 3630C, 3640A, 3660, 3665A, 5035, 8015D, 8081B, 8082A, 8260B, 8270C, 8270D.)

Biological Tissue (Inorganic Parameters: EPA 6020A. Organic Parameters: EPA 3570, 3510C, 3610B, 3630C, 3640A, 8270C, 8270D.)

Air & Emissions (EPA TO-15.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 245.7, 1631E, 6020A, 7470A, 9040B, 9050A, SM2540D, 2540G, 4500H+B, 2320B. Organic Parameters: EPA 8081B, 8082A, 8260B, 8270C, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 1312, 3050B, 3051A, 3060A, 6020A, 7471A, 9040B, 9045C, 7196A. Organic Parameters: SW-846 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 5035, 8260B, 8270C, 8015D, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, SM2320B, SM2540D, 2540G, EPA 180.1, 1631E, SW-846 7470A, 9040B, 6020, 9050A. Organic Parameters: SW-846 3510C, 3580A, 5030B, 5035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8015B 8081A, 8082, 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 7474, 9040B, 9045C, 9060. Organic Parameters: SW-846 3540C, 3570, 3580A, 5030B, 5035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610C, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 245.7, 7470A, 9014, 9040B, 9050, 120.1, 4500CN-E, 4500H-B, EPA 376.2, 180.1, 3020A. Organic Parameters: EPA 8260B, 8270C, 8081A, 8082, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020, 7196A, 3060A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 1312, 3050B, 3580, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Pennsylvania Certificate/Lab ID: 68-02089 ***NELAP Accredited***

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020A,7471B, 7474. Organic Parameters: EPA3050B, 3540C, 3630C, 8270C, 8081B, 8082A.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. ***NELAP Accredited via LA-DEQ.***

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. ***NELAP Accredited.***

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8260, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

Washington State Department of Ecology Certificate/Lab ID: C954. *Non-Potable Water* (Inorganic Parameters: SM2540D, 180.1, 1631E.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 7474, 9045C, 9050A, 9060. Organic Parameters: EPA 8081, 8082, 8015 Mod, 8270.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID:460194. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters:EPA 3020A,6020A,245.7,9040B,SM4500H-B. Organic Parameters: EPA 3510C,3640A,3660B,3665A,8270C,8270D,8082A,8081B.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020A,7470A,7471B,9040B,9045C,3050B,3051. Organic Parameters: EPA 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 3570, 8270C, 8270D, 8081B, 8082A, 8015D.)

U.S. Army Corps of Engineers

Department of Defense, L-A-B Certificate/Lab ID: L2217.01.

Non-Potable Water (Inorganic Parameters: EPA 6020A, SM4500H-B. Organic Parameters: 3020A, 3510C, 5030B, 8260B, 8270C, 8270C-ALK-PAH, 8082, 8081A, 8015D-SHC, 8015D.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 3050B, 6020A, 7471A, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580A, 3570, 3540C, 5035A, 8260B, 8270C, 8270-ALK-PAH, 8082, 8081A, 8015D-SHC, 8015D.

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **8270C:** Biphenyl. **TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 2-Methylnaphthalene, 1-Methylnaphthalene.

AIR ANALYSIS

PAGE 1 OF 2

CHAIN OF CUSTODY

ALPHA ANALYTICAL

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: L1207215

Client Information

Client: Louis Berger
Address: 295 Promenade Street
Providence, RI 02908
Phone: 401 521-5980
Fax:
Email: shogan@louisberger.com

Project Information

Project Name: Rose Hil Landfilll
Project Location: South Kingstown, RI
Project #: CJI-1747
Project Manager: Chris Feeney
ALPHA Quote #:

Turn-Around-Time

☒ Standard ☐ Rush (only confirmed if pre-approved)

Date Due: Time:

Report/Data Deliverables Information

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

☐ These samples have been Previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Analysis

All Columns Below Must Be Filled Out

Alpha Lab Use Only	Sample ID	Collection Date	Start Time	End Time	Initial Vac	Final Vac	Sample Matrix*	Sampler Initials	Can Size	ID Can	ID Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Specific Comments (i.e. PID)
0721501	GP-18	14/20/12	11:23	15:24	-29.1	-5.74	SV	SH	2.7L	1749	0437	☐	☒	☐	☐	☐	☐	☐	
02	GP-16	4/20/12	11:26	15:27	-29.2	-6.53	SV	SH	2.7L	1738	0414	☐	☒	☐	☐	☐	☐	☐	
03	GP-11	4/20/12	11:32	15:35	-39.3	-6.40	SV	SH	2.7L	130	0126	☐	☒	☐	☐	☐	☐	☐	
04	DUP (GP-11)	4/20/12	11:32	15:35	-29.2	-5.08	AA	SH	2.7L	514	0124	☐	☒	☐	☐	☐	☐	☐	
05	Field Blank	4/20/12	11:11	11:14	-29.1	-3.51	SV	SH	2.7L	134	0374	☐	☒	☐	☐	☐	☐	☐	
06	GP-21	4/20/12	11:15	11:16	-29.7	-5.95	SV	SH	2.7L	331	0070	☐	☒	☐	☐	☐	☐	☐	
											Container Type	-	-	-	-	-	-	-	

SAMPLE MATRIX CODES:

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Relinquished By	Date/Time	Received By:	Date/Time
[illegible]	4/25/12 1100	[illegible]	4/25/12 1100
[illegible]	4/25/12 1132	[illegible]	4/25/12 11:32

Please print clearly & legibly and completely. Samples can not be logged in and turn around time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

Form 101-02 (I)
Revised 29-Dec-09

AIR ANALYSIS

PAGE 2 OF 2

CHAIN OF CUSTODY

ALPHA ANALYTICAL
320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: L1207215

Client Information

Client: Louis Berger
Address: 295 Promenade Street
Providence, RI 02908
Phone: 401 521-5980
Fax:
Email: shogan@louisberger.com

Project Information

Project Name: Rose Hill Landfill
Project Location: South Kingstown, RI
Project #: CJI-1747
Project Manager: Chris Feeney
ALPHA Quote #:

Turn-Around-Time

☒ Standard ☐ Rush (only confirmed if pre-approved)

Date Due: Time:

☐ These samples have been Previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Report/Data Deliverables Information

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Analysis

All Columns Below Must Be Filled Out

Alpha Lab Use Only	Sample ID	Collection Date	Collection Start Time	Collection End Time	Collection Initial Vac	Collection Final Vac	Sample Matrix*	Sampler Initials	Can Size	ID Can	ID Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Specific Comments (i.e. PID)
07215-07	GF	4/20/12	11:17	11:19	-29.3	-5.17	SV	SH	2.7L	387	0154	☐	☒	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
											Container Type	-	-	-	-	-	-	-	

SAMPLE MATRIX CODES:

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Relinquished By	Date/Time	Received By:	Date/Time
[signature]	4/25/12 11:30	[signature]	4/25/12 11:30
[signature]	4/25/12 11:32	[signature]	4/25/12 11:32

Please print clearly & legibly and completely. Samples can not be logged in and turn around time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

Form 101-02 (I)
Revised 29-Dec-09

ANALYTICAL REPORT

Lab Number:	L1213278
Client:	Louis A. Berger & Associates 295 Promenade Street Providence, RI 02908
ATTN:	Chris Feeney
Phone:	(401) 521-5980
Project Name:	ROSE HILL LANDFILL
Project Number:	CJI-1747
Report Date:	08/01/12

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), PA (68-02089), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), DOD (L2217.01), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213278
Report Date: 08/01/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1213278-01	GP-18	SOUTH KINGSTOWN, RI	07/23/12 14:10
L1213278-02	GP-16	SOUTH KINGSTOWN, RI	07/23/12 14:12
L1213278-03	GP-11	SOUTH KINGSTOWN, RI	07/23/12 14:17
L1213278-04	DUP (GP-11)	SOUTH KINGSTOWN, RI	07/23/12 14:17
L1213278-05	FIELD BLANK	SOUTH KINGSTOWN, RI	07/23/12 13:45
L1213278-06	GP-21	SOUTH KINGSTOWN, RI	07/23/12 13:51
L1213278-07	GF	SOUTH KINGSTOWN, RI	07/23/12 14:02

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213278
Project Number: CJI-1747 **Report Date:** 08/01/12

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1213278
Project Number:	CJI-1747	**Report Date:**	08/01/12

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on July 11, 2012.

The canister certification results are provided as an addendum.

L1213278-03 The RPD of the pre- and post-flow controller calibration check (25% RPD) was outside acceptable limits (< or = 20% RPD).

The sample canister identified as "GP-21" was received empty and therefore, the analysis was cancelled.

L1213278-07 and WG551411-5 Duplicate have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kathleen M. O'Brien Kathleen O'Brien

Title: Technical Director/Representative Date: 08/01/12

AIR

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213278
Report Date: 08/01/12

SAMPLE RESULTS

Lab ID: L1213278-01
Client ID: GP-18
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/27/12 18:56
Analyst: MB

Date Collected: 07/23/12 14:10
Date Received: 07/25/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	9.58	0.500	--	16.5	0.860	--		1
Dichlorodifluoromethane	0.453	0.200	--	2.24	0.989	--		1
Chloromethane	0.841	0.200	--	1.74	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Trichlorofluoromethane	0.235	0.200	--	1.32	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	41.7	0.200	--	123	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.470	0.200	--	1.66	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.506	0.200	--	1.62	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1213278
Report Date: 08/01/12

SAMPLE RESULTS

Lab ID: L1213278-01
Client ID: GP-18
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 07/23/12 14:10
Date Received: 07/25/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Cyclohexane	3.23	0.200	--	11.1	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.570	0.200	--	2.15	0.754	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.215	0.200	--	1.06	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1213278
Report Date: 08/01/12

SAMPLE RESULTS

Lab ID: L1213278-01
Client ID: GP-18
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 07/23/12 14:10
Date Received: 07/25/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	76		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	73		60-140

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213278
Report Date: 08/01/12

SAMPLE RESULTS

Lab ID: L1213278-02
Client ID: GP-16
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/27/12 19:33
Analyst: MB

Date Collected: 07/23/12 14:12
Date Received: 07/25/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	11.6	0.500	--	20.0	0.860	--		1
Dichlorodifluoromethane	0.333	0.200	--	1.65	0.989	--		1
Chloromethane	1.88	0.200	--	3.88	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	0.205	0.200	--	0.524	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	0.821	0.200	--	2.17	0.528	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	1.30	1.00	--	4.52	3.47	--		1
Carbon disulfide	2.30	0.200	--	7.16	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	68.4	0.200	--	202	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.669	0.200	--	2.36	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.679	0.200	--	2.17	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1213278
Report Date: 08/01/12

SAMPLE RESULTS

Lab ID: L1213278-02
Client ID: GP-16
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 07/23/12 14:12
Date Received: 07/25/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Cyclohexane	3.96	0.200	--	13.6	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.796	0.200	--	3.00	0.754	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1213278
Report Date: 08/01/12

SAMPLE RESULTS

Lab ID: L1213278-02
Client ID: GP-16
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 07/23/12 14:12
Date Received: 07/25/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	96		60-140

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213278
Report Date: 08/01/12

SAMPLE RESULTS

Lab ID:	L1213278-03	Date Collected:	07/23/12 14:17
Client ID:	GP-11	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15		
Analytical Date:	07/27/12 20:10		
Analyst:	MB		

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	5.05	0.500	--	8.69	0.860	--		1
Dichlorodifluoromethane	0.568	0.200	--	2.81	0.989	--		1
Chloromethane	2.10	0.200	--	4.34	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	0.233	0.200	--	0.596	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	0.270	0.200	--	0.712	0.528	--		1
Trichlorofluoromethane	0.243	0.200	--	1.36	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	2.93	0.200	--	9.12	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	11.4	0.200	--	33.6	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Chloroform	0.571	0.200	--	2.79	0.977	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.266	0.200	--	0.937	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.539	0.200	--	1.72	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1213278
Report Date: 08/01/12

SAMPLE RESULTS

Lab ID: L1213278-03
Client ID: GP-11
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 07/23/12 14:17
Date Received: 07/25/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Cyclohexane	1.04	0.200	--	3.58	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.559	0.200	--	2.11	0.754	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name:	ROSE HILL LANDFILL	***Lab Number:***	L1213278
Project Number:	CJI-1747	***Report Date:***	08/01/12

SAMPLE RESULTS

Lab ID:	L1213278-03	Date Collected:	07/23/12 14:17
Client ID:	GP-11	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	86		60-140
Bromochloromethane	72		60-140
chlorobenzene-d5	87		60-140

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213278
Report Date: 08/01/12

SAMPLE RESULTS

Lab ID: L1213278-04
Client ID: DUP (GP-11)
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/27/12 20:49
Analyst: MB

Date Collected: 07/23/12 14:17
Date Received: 07/25/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	7.55	0.500	--	13.0	0.860	--		1
Dichlorodifluoromethane	0.415	0.200	--	2.05	0.989	--		1
Chloromethane	1.98	0.200	--	4.09	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	0.302	0.200	--	0.797	0.528	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	2.08	0.200	--	6.48	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	33.6	0.200	--	99.1	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Chloroform	0.584	0.200	--	2.85	0.977	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.437	0.200	--	1.54	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.632	0.200	--	2.02	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1213278
Report Date: 08/01/12

SAMPLE RESULTS

Lab ID: L1213278-04
Client ID: DUP (GP-11)
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 07/23/12 14:17
Date Received: 07/25/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Cyclohexane	2.45	0.200	--	8.43	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.673	0.200	--	2.54	0.754	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1213278
Report Date: 08/01/12

SAMPLE RESULTS

Lab ID: L1213278-04
Client ID: DUP (GP-11)
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 07/23/12 14:17
Date Received: 07/25/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	93		60-140

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213278
Report Date: 08/01/12

SAMPLE RESULTS

Lab ID: L1213278-05
Client ID: FIELD BLANK
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/27/12 18:18
Analyst: MB

Date Collected: 07/23/12 13:45
Date Received: 07/25/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	ND	0.500	--	ND	0.860	--		1
Dichlorodifluoromethane	0.631	0.200	--	3.12	0.989	--		1
Chloromethane	0.727	0.200	--	1.50	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Trichlorofluoromethane	0.295	0.200	--	1.66	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	1.56	1.00	--	5.42	3.47	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.597	0.200	--	1.76	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1213278
Report Date: 08/01/12

SAMPLE RESULTS

Lab ID: L1213278-05
Client ID: FIELD BLANK
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 07/23/12 13:45
Date Received: 07/25/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.285	0.200	--	1.07	0.754	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1213278
Report Date: 08/01/12

SAMPLE RESULTS

Lab ID: L1213278-05
Client ID: FIELD BLANK
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 07/23/12 13:45
Date Received: 07/25/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	74		60-140
Bromochloromethane	65		60-140
chlorobenzene-d5	74		60-140

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1213278
Report Date: 08/01/12

SAMPLE RESULTS

Lab ID: L1213278-07 D
Client ID: GF
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/27/12 21:25
Analyst: MB

Date Collected: 07/23/12 14:02
Date Received: 07/25/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	616	82.8	--	1060	142	--		165.6
Dichlorodifluoromethane	170	33.1	--	841	164	--		165.6
Chloromethane	ND	33.1	--	ND	68.4	--		165.6
Freon-114	114	33.1	--	797	231	--		165.6
Vinyl chloride	11300	33.1	--	28900	84.6	--		165.6
1,3-Butadiene	ND	33.1	--	ND	73.2	--		165.6
Bromomethane	ND	33.1	--	ND	128	--		165.6
Chloroethane	1220	33.1	--	3220	87.3	--		165.6
Trichlorofluoromethane	ND	33.1	--	ND	186	--		165.6
1,1-Dichloroethene	38.8	33.1	--	154	131	--		165.6
Methylene chloride	ND	166	--	ND	577	--		165.6
Carbon disulfide	ND	33.1	--	ND	103	--		165.6
Freon-113	ND	33.1	--	ND	254	--		165.6
trans-1,2-Dichloroethene	42.2	33.1	--	167	131	--		165.6
1,1-Dichloroethane	154	33.1	--	623	134	--		165.6
Methyl tert butyl ether	ND	33.1	--	ND	119	--		165.6
2-Butanone	138	33.1	--	407	97.6	--		165.6
cis-1,2-Dichloroethene	8630	33.1	--	34200	131	--		165.6
Chloroform	ND	33.1	--	ND	162	--		165.6
1,2-Dichloroethane	ND	33.1	--	ND	134	--		165.6
n-Hexane	753	33.1	--	2650	117	--		165.6
1,1,1-Trichloroethane	356	33.1	--	1940	180	--		165.6
Benzene	124	33.1	--	396	106	--		165.6
Carbon tetrachloride	ND	33.1	--	ND	208	--		165.6

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1213278
Report Date: 08/01/12

SAMPLE RESULTS

Lab ID: L1213278-07 D
Client ID: GF
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 07/23/12 14:02
Date Received: 07/25/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Cyclohexane	315	33.1	--	1080	114	--		165.6
1,2-Dichloropropane	ND	33.1	--	ND	153	--		165.6
Trichloroethene	6650	33.1	--	35700	178	--		165.6
cis-1,3-Dichloropropene	ND	33.1	--	ND	150	--		165.6
trans-1,3-Dichloropropene	ND	33.1	--	ND	150	--		165.6
1,1,2-Trichloroethane	ND	33.1	--	ND	180	--		165.6
Toluene	49.0	33.1	--	185	125	--		165.6
1,2-Dibromoethane	ND	33.1	--	ND	254	--		165.6
Tetrachloroethene	ND	33.1	--	ND	224	--		165.6
Chlorobenzene	ND	33.1	--	ND	152	--		165.6
Ethylbenzene	ND	33.1	--	ND	144	--		165.6
p/m-Xylene	ND	66.2	--	ND	288	--		165.6
Styrene	ND	33.1	--	ND	141	--		165.6
1,1,2,2-Tetrachloroethane	ND	33.1	--	ND	227	--		165.6
o-Xylene	ND	33.1	--	ND	144	--		165.6
1,3,5-Trimethybenzene	ND	33.1	--	ND	163	--		165.6
1,2,4-Trimethylbenzene	ND	33.1	--	ND	163	--		165.6
Benzyl chloride	ND	33.1	--	ND	171	--		165.6
1,3-Dichlorobenzene	ND	33.1	--	ND	199	--		165.6
1,4-Dichlorobenzene	ND	33.1	--	ND	199	--		165.6
1,2-Dichlorobenzene	ND	33.1	--	ND	199	--		165.6
1,2,4-Trichlorobenzene	ND	33.1	--	ND	246	--		165.6
Hexachlorobutadiene	ND	33.1	--	ND	353	--		165.6

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1213278
Report Date: 08/01/12

SAMPLE RESULTS

Lab ID: L1213278-07 D
Client ID: GF
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 07/23/12 14:02
Date Received: 07/25/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	77		60-140
Bromochloromethane	84		60-140
chlorobenzene-d5	78		60-140

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213278

Project Number: CJI-1747 **Report Date:** 08/01/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/27/12 15:35

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05,07 Batch: WG551411-4								
Propylene	ND	0.500	--	ND	0.860	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213278
Report Date: 08/01/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/27/12 15:35

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05,07 Batch: WG551411-4								
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213278
Report Date: 08/01/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05,07 Batch: WG551411-3								
Propylene	100		-		70-130	-		
Dichlorodifluoromethane	93		-		70-130	-		
Chloromethane	100		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	94		-		70-130	-		
Vinyl chloride	92		-		70-130	-		
1,3-Butadiene	101		-		70-130	-		
Bromomethane	87		-		70-130	-		
Chloroethane	90		-		70-130	-		
Trichlorofluoromethane	92		-		70-130	-		
1,1-Dichloroethene	97		-		70-130	-		
Methylene chloride	99		-		70-130	-		
Carbon disulfide	94		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	89		-		70-130	-		
trans-1,2-Dichloroethene	79		-		70-130	-		
1,1-Dichloroethane	88		-		70-130	-		
Methyl tert butyl ether	87		-		70-130	-		
2-Butanone	97		-		70-130	-		
cis-1,2-Dichloroethene	97		-		70-130	-		
Chloroform	88		-		70-130	-		
1,2-Dichloroethane	89		-		70-130	-		
n-Hexane	104		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213278
Report Date: 08/01/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05,07 Batch: WG551411-3								
1,1,1-Trichloroethane	102		-		70-130	-		
Benzene	93		-		70-130	-		
Carbon tetrachloride	105		-		70-130	-		
Cyclohexane	102		-		70-130	-		
1,2-Dichloropropane	101		-		70-130	-		
Trichloroethene	100		-		70-130	-		
cis-1,3-Dichloropropene	101		-		70-130	-		
trans-1,3-Dichloropropene	90		-		70-130	-		
1,1,2-Trichloroethane	104		-		70-130	-		
Toluene	90		-		70-130	-		
1,2-Dibromoethane	96		-		70-130	-		
Tetrachloroethene	95		-		70-130	-		
Chlorobenzene	96		-		70-130	-		
Ethylbenzene	97		-		70-130	-		
p/m-Xylene	96		-		70-130	-		
Styrene	101		-		70-130	-		
1,1,2,2-Tetrachloroethane	107		-		70-130	-		
o-Xylene	103		-		70-130	-		
1,3,5-Trimethylbenzene	100		-		70-130	-		
1,2,4-Trimethylbenzene	104		-		70-130	-		
Benzyl chloride	105		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213278
Report Date: 08/01/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05,07 Batch: WG551411-3								
1,3-Dichlorobenzene	104		-		70-130	-		
1,4-Dichlorobenzene	104		-		70-130	-		
1,2-Dichlorobenzene	106		-		70-130	-		
1,2,4-Trichlorobenzene	121		-		70-130	-		
Hexachlorobutadiene	114		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213278
Report Date: 08/01/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05,07 QC Batch ID: WG551411-5 QC Sample: L1213278-07 Client ID: GF						
Propylene	616	597	ppbV	3		25
Dichlorodifluoromethane	170	153	ppbV	11		25
Chloromethane	ND	ND	ppbV	NC		25
Freon-114	114	105	ppbV	8		25
Vinyl chloride	11300	9990	ppbV	12		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	1220	1200	ppbV	2		25
Trichlorofluoromethane	ND	ND	ppbV	NC		25
1,1-Dichloroethene	38.8	37.9	ppbV	2		25
Methylene chloride	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	42.2	41.2	ppbV	2		25
1,1-Dichloroethane	154	151	ppbV	2		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	138	123	ppbV	11		25
cis-1,2-Dichloroethene	8630	8570	ppbV	1		25
Chloroform	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213278
Report Date: 08/01/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05,07 QC Batch ID: WG551411-5 QC Sample: L1213278-07 Client ID: GF					
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	753	677	ppbV	11	25
1,1,1-Trichloroethane	356	318	ppbV	11	25
Benzene	124	118	ppbV	5	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Cyclohexane	315	286	ppbV	10	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Trichloroethene	6650	5910	ppbV	12	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	49.0	49.2	ppbV	0	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	ND	ND	ppbV	NC	25
p/m-Xylene	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213278
Report Date: 08/01/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05,07 QC Batch ID: WG551411-5 QC Sample: L1213278-07 Client ID: GF					
o-Xylene	ND	ND	ppbV	NC	25
1,3,5-Trimethybenzene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC	25
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Project Name: ROSE HILL LANDFILL

Lab Number: L1213278

Project Number: CJI-1747

Report Date: 08/01/12

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1213278-01	GP-18	0369	#20 SV	07/11/12	79207		-	-	-	Pass	9.0	9.0	0
L1213278-01	GP-18	260	2.7L Can	07/11/12	79207	L1211626-01	Pass	-29.6	-5.4	-	-	-	-
L1213278-02	GP-16	0241	#16 SV	07/11/12	79207		-	-	-	Pass	9.0	8.5	6
L1213278-02	GP-16	209	2.7L Can	07/11/12	79207	L1211626-01	Pass	-28.6	-3.8	-	-	-	-
L1213278-03	GP-11	0302	#16 SV	07/11/12	79207		-	-	-	Pass	9.0	7.0	25
L1213278-03	GP-11	518	2.7L Can	07/11/12	79207	L1211626-01	Pass	-29.3	-3.7	-	-	-	-
L1213278-04	DUP (GP-11)	0445	#16 SV	07/11/12	79207		-	-	-	Pass	9.0	8.9	1
L1213278-04	DUP (GP-11)	120	2.7L Can	07/11/12	79207	L1211626-01	Pass	-28.9	-3.6	-	-	-	-
L1213278-05	FIELD BLANK	0019	#20 AMB	07/11/12	79207		-	-	-	Pass	9.0	9.2	2
L1213278-05	FIELD BLANK	484	2.7L Can	07/11/12	79207	L1211626-01	Pass	-28.6	-4.1	-	-	-	-
L1213278-06	GP-21	0070	#16 SV	07/11/12	79207		-	-	-	Pass	9.0	0.0	200
L1213278-06	GP-21	196	2.7L Can	07/11/12	79207	L1211626-01	Pass	-29.6	-29.3	-	-	-	-
L1213278-07	GF	0469	#16 SV	07/11/12	79207		-	-	-	Pass	9.0	8.6	5
L1213278-07	GF	1739	2.7L Can	07/11/12	79207	L1211626-01	Pass	-29.6	-4.3	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1211626

Project Number: CANISTER QC BAT **Report Date:** 08/01/12

Air Canister Certification Results

Lab ID:	L1211626-01	Date Collected:	06/28/12 14:41
Client ID:	CAN 153 SHELF 9	Date Received:	06/29/12
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15		
Analytical Date:	07/03/12 18:56		
Analyst:	MB		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.860	--		1
Propane	ND	0.200	--	ND	0.361	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1211626

Project Number: CANISTER QC BAT **Report Date:** 08/01/12

Air Canister Certification Results

Lab ID: L1211626-01 Date Collected: 06/28/12 14:41

Client ID: CAN 153 SHELF 9 Date Received: 06/29/12

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1211626

Project Number: CANISTER QC BAT **Report Date:** 08/01/12

Air Canister Certification Results

Lab ID: L1211626-01 Date Collected: 06/28/12 14:41

Client ID: CAN 153 SHELF 9 Date Received: 06/29/12

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1211626

Project Number: CANISTER QC BAT **Report Date:** 08/01/12

Air Canister Certification Results

Lab ID: L1211626-01 Date Collected: 06/28/12 14:41

Client ID: CAN 153 SHELF 9 Date Received: 06/29/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
No Tentatively Identified Compounds					

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1211626

Project Number: CANISTER QC BAT **Report Date:** 08/01/12

Air Canister Certification Results

Lab ID: L1211626-01 Date Collected: 06/28/12 14:41

Client ID: CAN 153 SHELF 9 Date Received: 06/29/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	93		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1211626

Project Number: CANISTER QC BAT **Report Date:** 08/01/12

Air Canister Certification Results

Lab ID:	L1211626-01	Date Collected:	06/28/12 14:41
Client ID:	CAN 153 SHELF 9	Date Received:	06/29/12
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	06/29/12 20:55		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1211626

Project Number: CANISTER QC BAT **Report Date:** 08/01/12

Air Canister Certification Results

Lab ID: L1211626-01 Date Collected: 06/28/12 14:41

Client ID: CAN 153 SHELF 9 Date Received: 06/29/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Trichloroethene	ND	0.020	--	ND	0.107	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1211626

Project Number: CANISTER QC BAT **Report Date:** 08/01/12

Air Canister Certification Results

Lab ID: L1211626-01 Date Collected: 06/28/12 14:41

Client ID: CAN 153 SHELF 9 Date Received: 06/29/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	83		60-140
bromochloromethane	106		60-140
chlorobenzene-d5	87		60-140

AIR Petro Can Certification

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1211626

Project Number: CANISTER QC BAT **Report Date:** 08/01/12

AIR CAN CERTIFICATION RESULTS

Lab ID:	L1211626-01	Date Collected:	06/28/12 14:41
Client ID:	CAN 153 SHELF 9	Date Received:	06/29/12
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	06/29/12 20:55		
Analyst:	RY		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	--	1
Methyl tert butyl ether	ND		ug/m3	2.0	--	1
Benzene	ND		ug/m3	2.0	--	1
Toluene	ND		ug/m3	2.0	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/m3	12	--	1
Ethylbenzene	ND		ug/m3	2.0	--	1
p/m-Xylene	ND		ug/m3	4.0	--	1
o-Xylene	ND		ug/m3	2.0	--	1
Naphthalene	ND		ug/m3	2.0	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	14	--	1
C9-C10 Aromatics Total	ND		ug/m3	10	--	1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213278
Report Date: 08/01/12

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler	
N/A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1213278-01A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1213278-02A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1213278-03A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1213278-04A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1213278-05A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1213278-06A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	CLEAN-FEE()
L1213278-07A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213278

Project Number: CJI-1747 **Report Date:** 08/01/12

GLOSSARY

Acronyms

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: Data Usability Report

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1213278
Project Number:	CJI-1747	**Report Date:**	08/01/12

Data Qualifiers

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213278
Project Number: CJI-1747 **Report Date:** 08/01/12

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised May 10, 2012 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable). Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Titanium, Vanadium, Zinc, Total Organic Carbon, Corrosivity, TCLP 1311, SPLP 1312. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, SM2540G.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 180.1, 245.7, 1631E, 3020A, 6020A, 7470A, 9040, 9050A, SM2320B, 2540D, 2540G, 4500H-B, Organic Parameters: EPA 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 5030B, 8015D, 3570, 8081B, 8082A, 8260B, 8270C, 8270D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 1311, 3050B, 3051A, 3060A, 6020A, 7196A, 7470A, 7471B, 7474, 9040B, 9045C, 9060. Organic Parameters: EPA 3540C, 3570, 3580A, 3630C, 3640A, 3660, 3665A, 5035, 8015D, 8081B, 8082A, 8260B, 8270C, 8270D.)

Biological Tissue (Inorganic Parameters: EPA 6020A. Organic Parameters: EPA 3570, 3510C, 3610B, 3630C, 3640A, 8270C, 8270D.)

Air & Emissions (EPA TO-15.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 180.1,1631E, 6020A, 7470A, 9040B, 9050A, SM2540D, 2540G, 4500H+B, 2320B. Organic Parameters: EPA 8081B, 8082A, 8270C, 8270D, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 3050B, 3051A, 3060A, 6020A, 7470A, 7471B, 9040B, 9045C, 7196A. Organic Parameters: SW-846 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 8270C, 8015D, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3020A, SM2320B, SM2540D, 2540G, 4500H-B, EPA 180.1, 1631E, SW-846 7470A, 9040B, 9040C, 6020A, 9050A. Organic Parameters: SW-846 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 8015D, 8081B, 8082A, 8270C, 8270D)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 1312, 3050B, 3051A, 6020A, 7471B, 7474, 9040B, 9040C, 9045C, 9060. Organic Parameters: SW-846 3540C, 3570, 3580A, 3630C, 3640A, 3660B, 3665A, 8081B, 8082A, 8270C, 8270D, 8015D.)

Atmospheric Organic Parameters (EPA 3C, TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020A. Organic Parameters: SW-846 8270C, 8270D, 3510C, 3570, 3610C, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, 6020A, 1631E, 245.7, 7470A, 9050A, EPA 180.1, 3020A. Organic Parameters: EPA 8270C, 8270D, 8081B, 8082A, 3510C.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020A, 7471B, 7474. Organic Parameters: EPA 8270C, 8270D, 8081B, 8082A, 1311, 3050B, 3580A, 3570, 3051A.)

Air & Emissions (EPA TO-15.)

Pennsylvania Certificate/Lab ID: 68-02089 ***NELAP Accredited***

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020A,7471B, 7474. Organic Parameters: EPA3050B, 3540C, 3630C, 8270C, 8081B, 8015D, 8082A.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. ***NELAP Accredited via LA-DEQ.***

Refer to NJ-DEP Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. ***NELAP Accredited.***

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID:460194. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters:EPA 3020A, 6020A, 245.7, 9040B, SM4500H-B. Organic Parameters: EPA 3510C, 3640A, 3660B, 3665A, 8270C, 8270D, 8082A, 8081B.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020A,7470A,7471B,9040B,9045C,3050B,3051, 9060. Organic Parameters: EPA 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 3570, 8270C, 8270D, 8081B, 8082A, 8015D.)

Washington State Department of Ecology Certificate/Lab ID: C954. *Non-Potable Water* (Inorganic Parameters: SM2540D, 180.1, 1631E.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 7474, 9045C, 9050A, 9060. Organic Parameters: EPA 8081, 8082, 8015 Mod, 8270.)

U.S. Army Corps of Engineers

Department of Defense, L-A-B Certificate/Lab ID: L2217.01.

Non-Potable Water (Inorganic Parameters: EPA 6020A, SM4500H-B. Organic Parameters: 3020A, 3510C, 8270C, 8270D, 8270C-ALK-PAH, 8270D-ALK-PAH, 8082A, 8081B, 8015D-SHC, 8015D.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 3050B, 6020A, 7471A, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580A, 3570, 3540C, 8270C, 8270D, 8270C-ALK-PAH, 8270D-ALK-PAH 8082A, 8081B, 8015D-SHC, 8015D.

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **8270C:** Biphenyl. **TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 2-Methylnaphthalene, 1-Methylnaphthalene.

AIR ANALYSIS

PAGE 1 OF 2

CHAIN OF CUSTODY

ALPHA ANALYTICAL
320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: L1213278

Client Information

Client: Louis Berger
Address: 295 Promenade Street
Providence, RI 02908
Phone: 401 521-5980
Fax:
Email: shogan@louisberger.com

☐ These samples have been Previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project Information

Project Name: Rose Hil Landfilll
Project Location: South Kingstown, RI
Project #: CJI-1747
Project Manager: Chris Feeney
ALPHA Quote #:

Turn-Around-Time

☒ Standard ☐ Rush (only confirmed if pre-approved)

Date Due: Time:

Report/Data Deliverables Information

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Analysis

All Columns Below Must Be Filled Out

Alpha Lab Use Only	Sample ID	Collection Date	Collection Start Time	Collection End Time	Initial Vac	Final Vac	Sample Matrix*	Sampler Initials	Can Size	ID Can	ID Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Specific Comments (i.e. PID)
L1213278-01	GP-18	7/27	10:06	2:10	-29.6		SV	SH	2.7L	260	0369	☐	☒	☐	☐	☐	☐	☐	
-02	GP-16		10:08	2:12	-28.6		SV	SH	2.7L	209	0241	☐	☒	☐	☐	☐	☐	☐	
-03	GP-11		10:14	2:17	-29.3		SV	SH	2.7L	0302	518	☐	☒	☐	☐	☐	☐	☐	
-04	DUP (GP-11)		10:14	2:17	-28.9		AA	SH	2.7L	120	0445	☐	☒	☐	☐	☐	☐	☐	
-05	Field Blank	~~9:45~~	9:45	1:45	-28.6		SV	SH	2.7L	484	0019	☐	☒	☐	☐	☐	☐	☐	
-06	GP-21	~~9:50~~	9:50	1:51	-29.6		SV	SH	2.7L	0070	196	☐	☒	☐	☐	☐	☐	☐	
											Container Type	-	-	-	-	-	-	-	

***SAMPLE MATRIX CODES:**

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Relinquished By	Date/Time	Received By:	Date/Time
Lucy Mancuci	7-25-12 17:35	[illegible]	7-25-12 16:40
[illegible]		[illegible] Hoffman	7/25/12 17:35

Please print clearly & legibly and completely. Samples can not be logged in and turn around time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

Form 101-02 (I)
Revised 29-Dec-09

AIR ANALYSIS

PAGE 2 OF 2

CHAIN OF CUSTODY

ALPHA ANALYTICAL
320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Louis Berger
Address: 295 Promenade Street
Providence, RI 02908
Phone: 401 521-5980
Fax:
Email: shogan@louisberger.com

☐ These samples have been Previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project Information

Project Name: Rose Hill Landfill
Project Location: South Kingstown, RI
Project #: CJI-1747
Project Manager: Chris Feeney
ALPHA Quote #:

Turn-Around-Time

☒ Standard ☐ Rush (only confirmed if pre-approved)

Date Due: Time:

Date Rec'd in Lab:

ALPHA Job #: L1213278

Report/Data Deliverables Information

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Analysis

All Columns Below Must Be Filled Out

Alpha Lab Use Only	Sample ID	Collection Date	Collection Start Time	Collection End Time	Initial Vac	Final Vac	Sample Matrix*	Sampler Initials	Can Size	ID Can	ID Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Specific Comments (i.e. PID)
L1213278-07	GF	7/23	9:58	2:02	-29.6		SV	SH	2.7L	1739	0469	☐	☒	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
Container Type												-	-	-	-	-	-	-	

***SAMPLE MATRIX CODES:**

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Relinquished By	Date/Time	Received By:	Date/Time
Judy Menenci		[illegible]	7/25-12 16:[illegible]
[illegible]	7-25-12 17:55	[illegible]	7/25/12 17:35

Please print clearly & legibly and completely. Samples can not be logged in and turn around time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

Form 101-02 (I)
Revised 29-Dec-09

ANALYTICAL REPORT

Lab Number:	L1213182
Client:	Louis A. Berger & Associates 295 Promenade Street Providence, RI 02908
ATTN:	Chris Feeney
Phone:	(401) 521-5980
Project Name:	ROSE HILL LANDFILL
Project Number:	CJI-1747
Report Date:	08/02/12

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213182
Report Date: 08/02/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1213182-01	MW-11S	SOUTH KINGSTON, RI	07/24/12 08:51
L1213182-02	MW-11BR	SOUTH KINGSTON, RI	07/24/12 10:26
L1213182-03	MW-11DO	SOUTH KINGSTON, RI	07/24/12 09:42
L1213182-04	MW-6DO	SOUTH KINGSTON, RI	07/24/12 11:26
L1213182-05	DUPLICATE (MW-6DO)	SOUTH KINGSTON, RI	07/24/12 11:26
L1213182-06	MW-5S	SOUTH KINGSTON, RI	07/24/12 12:02
L1213182-07	FIELD BLANK	SOUTH KINGSTON, RI	07/24/12 12:15
L1213182-08	TRIP BLANK	SOUTH KINGSTON, RI	07/24/12 00:00
L1213182-09	MW-13S	SOUTH KINGSTON, RI	07/24/12 13:07
L1213182-10	RES#11	SOUTH KINGSTON, RI	07/24/12 13:25
L1213182-11	DUPLCIATE (RES#11)	SOUTH KINGSTON, RI	07/24/12 13:35
L1213182-12	RES#10	SOUTH KINGSTON, RI	07/24/12 14:55
L1213182-13	SW-12	SOUTH KINGSTON, RI	07/24/12 10:30
L1213182-14	SW-13	SOUTH KINGSTON, RI	07/24/12 13:15

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182
Project Number: CJI-1747 **Report Date:** 08/02/12

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182
Project Number: CJI-1747 **Report Date:** 08/02/12

Case Narrative (continued)

Volatile Organics

The WG552176-4 MS recovery, performed on L1213182-01, was above the acceptance criteria for 1,2-Dichloroethane (134%).

Semivolatile Organics

L1213182-01 through -07, -09 through -12 and the associated Method Blank were evaluated for the presence of N,N-Dimethylformamide and were determined to be non-detect.

The WG550928-4/-5 MS/MSD recoveries, performed on L1213182-01, were above the acceptance criteria for 2,4-Dinitrotoluene (100%/110%) and P-Chloro-M-Cresol (98%/110%).

Semivolatile Organics by GC/MS-SIM

The surrogate recoveries for the WG550927-4/-5 MS/MSD, performed on L1213182-01, are below the acceptance criteria for 2-Fluorophenol (17%/19%) and 4-Terphenyl-d14 (28%/30%). The MS/MSD spike compounds are within overall method allowances; therefore, no further action was taken.

Total Metals

The WG550783-3/-4 MS/MSD recoveries for Iron (0%/0%) and Manganese (MS at 75%), performed on L1213182-01, do not apply because the sample concentrations are greater than four times the spike amount added.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 08/02/12

ORGANICS

VOLATILES

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-01	Date Collected:	07/24/12 08:51
Client ID:	MW-11S	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/31/12 10:27		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	2.9		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	0.89		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	0.89		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	4.5		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID: L1213182-01 Date Collected: 07/24/12 08:51

Client ID: MW-11S Date Received: 07/24/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-01	Date Collected:	07/24/12 08:51
Client ID:	MW-11S	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	108		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-02	Date Collected:	07/24/12 10:26
Client ID:	MW-11BR	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/30/12 17:00		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID: L1213182-02 Date Collected: 07/24/12 10:26

Client ID: MW-11BR Date Received: 07/24/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-02	Date Collected:	07/24/12 10:26
Client ID:	MW-11BR	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	126		70-130
Dibromofluoromethane	106		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-03	Date Collected:	07/24/12 09:42
Client ID:	MW-11DO	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/30/12 17:34		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	1.0		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	2.2		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID: L1213182-03 Date Collected: 07/24/12 09:42

Client ID: MW-11DO Date Received: 07/24/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-03	Date Collected:	07/24/12 09:42
Client ID:	MW-11DO	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	105		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-04	Date Collected:	07/24/12 11:26
Client ID:	MW-6DO	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/30/12 18:09		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	2.0		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	0.58		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	3.0		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID: L1213182-04 Date Collected: 07/24/12 11:26

Client ID: MW-6DO Date Received: 07/24/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-04	Date Collected:	07/24/12 11:26
Client ID:	MW-6DO	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	107		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-05	Date Collected:	07/24/12 11:26
Client ID:	DUPLICATE (MW-6DO)	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/30/12 18:43		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	1.9		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	0.58		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	2.9		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID: L1213182-05 Date Collected: 07/24/12 11:26

Client ID: DUPLICATE (MW-6DO) Date Received: 07/24/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-05	Date Collected:	07/24/12 11:26
Client ID:	DUPLICATE (MW-6DO)	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	107		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-06	Date Collected:	07/24/12 12:02
Client ID:	MW-5S	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/30/12 19:17		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID: L1213182-06 Date Collected: 07/24/12 12:02

Client ID: MW-5S Date Received: 07/24/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-06	Date Collected:	07/24/12 12:02
Client ID:	MW-5S	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	106		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-07	Date Collected:	07/24/12 12:15
Client ID:	FIELD BLANK	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/31/12 11:01		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID: L1213182-07 Date Collected: 07/24/12 12:15

Client ID: FIELD BLANK Date Received: 07/24/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-07	Date Collected:	07/24/12 12:15
Client ID:	FIELD BLANK	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	106		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-08	Date Collected:	07/24/12 00:00
Client ID:	TRIP BLANK	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/31/12 11:35		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID: L1213182-08 Date Collected: 07/24/12 00:00

Client ID: TRIP BLANK Date Received: 07/24/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-08	Date Collected:	07/24/12 00:00
Client ID:	TRIP BLANK	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	106		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-09	Date Collected:	07/24/12 13:07
Client ID:	MW-13S	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/31/12 12:10		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID: L1213182-09 Date Collected: 07/24/12 13:07

Client ID: MW-13S Date Received: 07/24/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-09	Date Collected:	07/24/12 13:07
Client ID:	MW-13S	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	108		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-10	Date Collected:	07/24/12 13:25
Client ID:	RES#11	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/31/12 12:44		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID: L1213182-10 Date Collected: 07/24/12 13:25

Client ID: RES#11 Date Received: 07/24/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-10	Date Collected:	07/24/12 13:25
Client ID:	RES#11	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	126		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	109		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-11	Date Collected:	07/24/12 13:35
Client ID:	DUPLCIATE (RES#11)	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/31/12 13:18		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID: L1213182-11 Date Collected: 07/24/12 13:35

Client ID: DUPLCIATE (RES#11) Date Received: 07/24/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-11	Date Collected:	07/24/12 13:35
Client ID:	DUPLCIATE (RES#11)	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	106		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-12	Date Collected:	07/24/12 14:55
Client ID:	RES#10	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/31/12 13:53		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID: L1213182-12 Date Collected: 07/24/12 14:55

Client ID: RES#10 Date Received: 07/24/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-12	Date Collected:	07/24/12 14:55
Client ID:	RES#10	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	109		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 07/30/12 09:33
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-06 Batch: WG551858-3					
Methylene chloride	ND		ug/l	3.0	--
1,1-Dichloroethane	ND		ug/l	0.75	--
Chloroform	ND		ug/l	0.75	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.8	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	0.75	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	0.50	--
Trichlorofluoromethane	ND		ug/l	2.5	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.5	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	0.75	--
Ethylbenzene	ND		ug/l	0.50	--
Chloromethane	ND		ug/l	2.5	--
Bromomethane	ND		ug/l	1.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	1.0	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	0.75	--
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--
1,4-Dichlorobenzene	ND		ug/l	2.5	--

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 07/30/12 09:33
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-06 Batch: WG551858-3					
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	5.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.5	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.5	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.50	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	2.5	--
n-Propylbenzene	ND		ug/l	0.50	--

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 07/30/12 09:33
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-06 Batch: WG551858-3					
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
Ethyl ether	ND		ug/l	2.5	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	108		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 07/31/12 09:52
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,07-12 Batch: WG552176-3					
Methylene chloride	ND		ug/l	3.0	--
1,1-Dichloroethane	ND		ug/l	0.75	--
Chloroform	ND		ug/l	0.75	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.8	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	0.75	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	0.50	--
Trichlorofluoromethane	ND		ug/l	2.5	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.5	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	0.75	--
Ethylbenzene	ND		ug/l	0.50	--
Chloromethane	ND		ug/l	2.5	--
Bromomethane	ND		ug/l	1.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	1.0	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	0.75	--
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--
1,4-Dichlorobenzene	ND		ug/l	2.5	--

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 07/31/12 09:52
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,07-12 Batch: WG552176-3					
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	5.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.5	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.5	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.50	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	2.5	--
n-Propylbenzene	ND		ug/l	0.50	--

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 07/31/12 09:52
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,07-12 Batch: WG552176-3					
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
Ethyl ether	ND		ug/l	2.5	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	106		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1213182
Report Date: 08/02/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-06 Batch: WG551858-1 WG551858-2								
Methylene chloride	108		105		70-130	3		20
1,1-Dichloroethane	107		106		70-130	1		20
Chloroform	113		112		70-130	1		20
Carbon tetrachloride	120		117		63-132	3		20
1,2-Dichloropropane	100		99		70-130	1		20
Dibromochloromethane	103		100		63-130	3		20
1,1,2-Trichloroethane	101		100		70-130	1		20
Tetrachloroethene	104		101		70-130	3		20
Chlorobenzene	103		102		75-130	1		25
Trichlorofluoromethane	125		122		62-150	2		20
1,2-Dichloroethane	123		119		70-130	3		20
1,1,1-Trichloroethane	119		117		67-130	2		20
Bromodichloromethane	116		115		67-130	1		20
trans-1,3-Dichloropropene	95		94		70-130	1		20
cis-1,3-Dichloropropene	99		100		70-130	1		20
1,1-Dichloropropene	109		107		70-130	2		20
Bromoform	106		114		54-136	7		20
1,1,2,2-Tetrachloroethane	108		116		67-130	7		20
Benzene	100		100		70-130	0		25
Toluene	102		100		70-130	2		25
Ethylbenzene	106		103		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1213182
Report Date: 08/02/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-06 Batch: WG551858-1 WG551858-2								
Chloromethane	99		101		64-130	2		20
Bromomethane	53		57		39-139	7		20
Vinyl chloride	120		115		55-140	4		20
Chloroethane	108		106		55-138	2		20
1,1-Dichloroethene	100		99		61-145	1		25
trans-1,2-Dichloroethene	104		99		70-130	5		20
Trichloroethene	103		103		70-130	0		25
1,2-Dichlorobenzene	102		103		70-130	1		20
1,3-Dichlorobenzene	101		103		70-130	2		20
1,4-Dichlorobenzene	102		102		70-130	0		20
Methyl tert butyl ether	100		101		63-130	1		20
p/m-Xylene	104		98		70-130	6		20
o-Xylene	103		99		70-130	4		20
cis-1,2-Dichloroethene	102		101		70-130	1		20
Dibromomethane	108		109		70-130	1		20
1,2,3-Trichloropropane	104		112		64-130	7		20
Styrene	102		98		70-130	4		20
Dichlorodifluoromethane	104		100		36-147	4		20
Acetone	122		112		58-148	9		20
Carbon disulfide	102		97		51-130	5		20
2-Butanone	111		107		63-138	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1213182
Report Date: 08/02/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-06 Batch: WG551858-1 WG551858-2								
4-Methyl-2-pentanone	91		92		59-130	1		20
2-Hexanone	105		104		57-130	1		20
Bromochloromethane	106		102		70-130	4		20
Tetrahydrofuran	89		93		58-130	4		20
2,2-Dichloropropane	107		105		63-133	2		20
1,2-Dibromoethane	104		102		70-130	2		20
1,3-Dichloropropane	102		100		70-130	2		20
1,1,1,2-Tetrachloroethane	112		109		64-130	3		20
Bromobenzene	105		109		70-130	4		20
n-Butylbenzene	117		113		53-136	3		20
sec-Butylbenzene	112		110		70-130	2		20
tert-Butylbenzene	110		111		70-130	1		20
o-Chlorotoluene	109		111		70-130	2		20
p-Chlorotoluene	105		107		70-130	2		20
1,2-Dibromo-3-chloropropane	98		108		41-144	10		20
Hexachlorobutadiene	123		120		63-130	2		20
Isopropylbenzene	108		113		70-130	5		20
p-Isopropyltoluene	112		111		70-130	1		20
Naphthalene	91		97		70-130	6		20
n-Propylbenzene	106		107		69-130	1		20
1,2,3-Trichlorobenzene	108		110		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213182
Report Date: 08/02/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-06 Batch: WG551858-1 WG551858-2								
1,2,4-Trichlorobenzene	101		103		70-130	2		20
1,3,5-Trimethylbenzene	110		109		64-130	1		20
1,2,4-Trimethylbenzene	108		108		70-130	0		20
Ethyl ether	95		98		59-134	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	122		122		70-130
Toluene-d8	103		102		70-130
4-Bromofluorobenzene	105		111		70-130
Dibromofluoromethane	109		109		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213182
Report Date: 08/02/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,07-12 Batch: WG552176-1 WG552176-2								
Methylene chloride	100		97		70-130	3		20
1,1-Dichloroethane	106		103		70-130	3		20
Chloroform	112		108		70-130	4		20
Carbon tetrachloride	115		110		63-132	4		20
1,2-Dichloropropane	99		96		70-130	3		20
Dibromochloromethane	101		100		63-130	1		20
1,1,2-Trichloroethane	98		103		70-130	5		20
Tetrachloroethene	101		101		70-130	0		20
Chlorobenzene	103		101		75-130	2		25
Trichlorofluoromethane	122		116		62-150	5		20
1,2-Dichloroethane	121		119		70-130	2		20
1,1,1-Trichloroethane	116		112		67-130	4		20
Bromodichloromethane	114		111		67-130	3		20
trans-1,3-Dichloropropene	90		92		70-130	2		20
cis-1,3-Dichloropropene	97		96		70-130	1		20
1,1-Dichloropropene	107		100		70-130	7		20
Bromoform	107		117		54-136	9		20
1,1,2,2-Tetrachloroethane	107		114		67-130	6		20
Benzene	99		96		70-130	3		25
Toluene	100		98		70-130	2		25
Ethylbenzene	106		98		70-130	8		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213182
Report Date: 08/02/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,07-12 Batch: WG552176-1 WG552176-2								
Chloromethane	95		94		64-130	1		20
Bromomethane	68		62		39-139	9		20
Vinyl chloride	116		110		55-140	5		20
Chloroethane	106		98		55-138	8		20
1,1-Dichloroethene	99		95		61-145	4		25
trans-1,2-Dichloroethene	100		96		70-130	4		20
Trichloroethene	102		101		70-130	1		25
1,2-Dichlorobenzene	100		99		70-130	1		20
1,3-Dichlorobenzene	101		101		70-130	0		20
1,4-Dichlorobenzene	100		98		70-130	2		20
Methyl tert butyl ether	97		98		63-130	1		20
p/m-Xylene	101		92		70-130	9		20
o-Xylene	100		93		70-130	7		20
cis-1,2-Dichloroethene	102		98		70-130	4		20
Dibromomethane	105		107		70-130	2		20
1,2,3-Trichloropropane	106		119		64-130	12		20
Styrene	100		92		70-130	8		20
Dichlorodifluoromethane	99		93		36-147	6		20
Acetone	94		101		58-148	7		20
Carbon disulfide	100		92		51-130	8		20
2-Butanone	101		107		63-138	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1213182
Report Date: 08/02/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,07-12 Batch: WG552176-1 WG552176-2								
4-Methyl-2-pentanone	85		89		59-130	5		20
2-Hexanone	96		106		57-130	10		20
Bromochloromethane	103		101		70-130	2		20
Tetrahydrofuran	89		95		58-130	7		20
2,2-Dichloropropane	102		99		63-133	3		20
1,2-Dibromoethane	100		103		70-130	3		20
1,3-Dichloropropane	100		101		70-130	1		20
1,1,1,2-Tetrachloroethane	110		108		64-130	2		20
Bromobenzene	106		108		70-130	2		20
n-Butylbenzene	109		102		53-136	7		20
sec-Butylbenzene	107		102		70-130	5		20
tert-Butylbenzene	109		104		70-130	5		20
o-Chlorotoluene	109		108		70-130	1		20
p-Chlorotoluene	106		104		70-130	2		20
1,2-Dibromo-3-chloropropane	97		105		41-144	8		20
Hexachlorobutadiene	113		107		63-130	5		20
Isopropylbenzene	110		108		70-130	2		20
p-Isopropyltoluene	107		104		70-130	3		20
Naphthalene	86		86		70-130	0		20
n-Propylbenzene	104		102		69-130	2		20
1,2,3-Trichlorobenzene	98		99		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1213182

Report Date: 08/02/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,07-12 Batch: WG552176-1 WG552176-2								
1,2,4-Trichlorobenzene	96		91		70-130	5		20
1,3,5-Trimethylbenzene	110		107		64-130	3		20
1,2,4-Trimethylbenzene	105		103		70-130	2		20
Ethyl ether	94		95		59-134	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	123		123		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	110		110		70-130
Dibromofluoromethane	110		109		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213182
Report Date: 08/02/12

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,07-12 QC Batch ID: WG552176-4 WG552176-5 QC Sample: L1213182-01
Client ID: MW-11S

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Methylene chloride	ND	10	11	109		10	104		70-130	10		20
1,1-Dichloroethane	2.9	10	15	119		14	112		70-130	7		20
Chloroform	ND	10	12	125		12	118		70-130	0		20
Carbon tetrachloride	ND	10	12	124		12	115		63-132	0		20
1,2-Dichloropropane	ND	10	11	109		10	102		70-130	10		20
Dibromochloromethane	ND	10	10	103		10	101		63-130	0		20
1,1,2-Trichloroethane	ND	10	11	108		11	107		70-130	0		20
Tetrachloroethene	ND	10	11	109		10	103		70-130	10		20
Chlorobenzene	0.89	10	12	109		11	104		75-130	9		25
Trichlorofluoromethane	ND	10	14	139		13	128		62-150	7		20
1,2-Dichloroethane	ND	10	13	**134**	Q	13	129		70-130	0		20
1,1,1-Trichloroethane	ND	10	13	130		12	121		67-130	8		20
Bromodichloromethane	ND	10	12	123		12	119		67-130	0		20
trans-1,3-Dichloropropene	ND	10	9.2	92		9.0	90		70-130	2		20
cis-1,3-Dichloropropene	ND	10	9.9	99		9.5	95		70-130	4		20
1,1-Dichloropropene	ND	10	12	117		11	108		70-130	9		20
Bromoform	ND	10	11	110		10	103		54-136	10		20
1,1,2,2-Tetrachloroethane	ND	10	12	115		11	109		67-130	9		20
Benzene	0.89	10	12	109		11	103		70-130	9		25
Toluene	ND	10	11	108		10	101		70-130	10		25
Ethylbenzene	ND	10	11	109		10	103		70-130	10		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1213182
Report Date: 08/02/12

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,07-12 QC Batch ID: WG552176-4 WG552176-5 QC Sample: L1213182-01
Client ID: MW-11S

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Chloromethane	ND	10	11	109		10	105		64-130	10		20
Bromomethane	ND	10	7.7	77		7.6	76		39-139	1		20
Vinyl chloride	ND	10	13	134		12	125		55-140	8		20
Chloroethane	4.5	10	16	118		15	107		55-138	6		20
1,1-Dichloroethene	ND	10	11	110		10	105		61-145	10		25
trans-1,2-Dichloroethene	ND	10	11	110		10	104		70-130	10		20
Trichloroethene	ND	10	11	114		11	107		70-130	0		25
1,2-Dichlorobenzene	ND	10	11	107		10	102		70-130	10		20
1,3-Dichlorobenzene	ND	10	11	107		10	101		70-130	10		20
1,4-Dichlorobenzene	ND	10	11	111		10	104		70-130	10		20
Methyl tert butyl ether	ND	10	10	105		10	105		63-130	0		20
p/m-Xylene	ND	20	20	103		20	98		70-130	0		20
o-Xylene	ND	20	21	104		20	100		70-130	5		20
cis-1,2-Dichloroethene	ND	10	11	113		10	105		70-130	10		20
Dibromomethane	ND	10	12	119		11	113		70-130	9		20
1,2,3-Trichloropropane	ND	10	12	118		11	114		64-130	9		20
Styrene	ND	20	21	103		20	99		70-130	5		20
Dichlorodifluoromethane	ND	10	11	108		9.9	99		36-147	11		20
Acetone	ND	10	9.0	90		9.5	95		58-148	5		20
Carbon disulfide	ND	10	11	108		10	103		51-130	10		20
2-Butanone	ND	10	9.8	98		9.7	97		63-138	1		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1213182
Report Date: 08/02/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,07-12 QC Batch ID: WG552176-4 WG552176-5 QC Sample: L1213182-01 Client ID: MW-11S												
4-Methyl-2-pentanone	ND	10	9.2	92		9.3	93		59-130	1		20
2-Hexanone	ND	10	10	102		10	103		57-130	0		20
Bromochloromethane	ND	10	12	116		11	108		70-130	9		20
Tetrahydrofuran	ND	10	10	105		10	104		58-130	0		20
2,2-Dichloropropane	ND	10	8.9	89		8.6	86		63-133	3		20
1,2-Dibromoethane	ND	10	11	106		11	109		70-130	0		20
1,3-Dichloropropane	ND	10	11	107		10	106		70-130	10		20
1,1,1,2-Tetrachloroethane	ND	10	11	115		11	110		64-130	0		20
Bromobenzene	ND	10	12	115		11	107		70-130	9		20
n-Butylbenzene	ND	10	11	111		10	101		53-136	10		20
sec-Butylbenzene	ND	10	11	111		10	102		70-130	10		20
tert-Butylbenzene	ND	10	11	113		10	103		70-130	10		20
o-Chlorotoluene	ND	10	12	116		10	104		70-130	18		20
p-Chlorotoluene	ND	10	11	111		10	103		70-130	10		20
1,2-Dibromo-3-chloropropane	ND	10	10	101		11	107		41-144	10		20
Hexachlorobutadiene	ND	10	11	109		9.9	99		63-130	11		20
Isopropylbenzene	ND	10	12	118		11	107		70-130	9		20
p-Isopropyltoluene	ND	10	11	110		10	102		70-130	10		20
Naphthalene	ND	10	9.6	96		9.4	94		70-130	2		20
n-Propylbenzene	ND	10	11	111		10	101		69-130	10		20
1,2,3-Trichlorobenzene	ND	10	11	107		10	105		70-130	10		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1213182
Report Date: 08/02/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,07-12 QC Batch ID: WG552176-4 WG552176-5 QC Sample: L1213182-01 Client ID: MW-11S												
1,2,4-Trichlorobenzene	ND	10	10	100		9.7	97		70-130	3		20
1,3,5-Trimethylbenzene	ND	10	11	111		10	105		64-130	10		20
1,2,4-Trimethylbenzene	ND	10	11	110		10	102		70-130	10		20
Ethyl ether	ND	10	12	123		12	124		59-134	0		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		125		70-130
4-Bromofluorobenzene	110		107		70-130
Dibromofluoromethane	109		109		70-130
Toluene-d8	101		102		70-130

SEMIVOLATILES

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-01	Date Collected:	07/24/12 08:51
Client ID:	MW-11S	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/26/12 01:59
Analytical Date:	07/31/12 10:21		
Analyst:	RC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Chrysene	ND		ug/l	2.0	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-01	Date Collected:	07/24/12 08:51
Client ID:	MW-11S	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	95		10-120
4-Terphenyl-d14	85		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-01	Date Collected:	07/24/12 08:51
Client ID:	MW-11S	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/26/12 01:53
Analytical Date:	07/27/12 13:03		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	87		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-02	Date Collected:	07/24/12 10:26
Client ID:	MW-11BR	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/26/12 01:59
Analytical Date:	07/31/12 10:48		
Analyst:	RC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Chrysene	ND		ug/l	2.0	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID: L1213182-02 Date Collected: 07/24/12 10:26

Client ID: MW-11BR Date Received: 07/24/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	61		15-120
2,4,6-Tribromophenol	71		10-120
4-Terphenyl-d14	81		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-02	Date Collected:	07/24/12 10:26
Client ID:	MW-11BR	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/26/12 01:53
Analytical Date:	07/27/12 13:33		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	94		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-03	Date Collected:	07/24/12 09:42
Client ID:	MW-11DO	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/26/12 01:59
Analytical Date:	07/31/12 11:16		
Analyst:	RC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Chrysene	ND		ug/l	2.0	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID: L1213182-03 Date Collected: 07/24/12 09:42

Client ID: MW-11DO Date Received: 07/24/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	95		10-120
4-Terphenyl-d14	90		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-03	Date Collected:	07/24/12 09:42
Client ID:	MW-11DO	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/26/12 01:53
Analytical Date:	07/27/12 15:00		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	92		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-04	Date Collected:	07/24/12 11:26
Client ID:	MW-6DO	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/26/12 01:59
Analytical Date:	07/31/12 11:44		
Analyst:	RC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Chrysene	ND		ug/l	2.0	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID: L1213182-04 Date Collected: 07/24/12 11:26

Client ID: MW-6DO Date Received: 07/24/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	90		10-120
4-Terphenyl-d14	85		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-04	Date Collected:	07/24/12 11:26
Client ID:	MW-6DO	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/26/12 01:53
Analytical Date:	07/27/12 15:29		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	84		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-05	Date Collected:	07/24/12 11:26
Client ID:	DUPLICATE (MW-6DO)	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/26/12 01:59
Analytical Date:	07/31/12 14:01		
Analyst:	RC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Chrysene	ND		ug/l	2.0	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID: L1213182-05 Date Collected: 07/24/12 11:26

Client ID: DUPLICATE (MW-6DO) Date Received: 07/24/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	91		10-120
4-Terphenyl-d14	85		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-05	Date Collected:	07/24/12 11:26
Client ID:	DUPLICATE (MW-6DO)	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/26/12 01:53
Analytical Date:	07/27/12 15:58		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	88		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-06	Date Collected:	07/24/12 12:02
Client ID:	MW-5S	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/26/12 01:59
Analytical Date:	07/31/12 14:29		
Analyst:	RC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Chrysene	ND		ug/l	2.0	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID: L1213182-06 Date Collected: 07/24/12 12:02

Client ID: MW-5S Date Received: 07/24/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	84		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-06	Date Collected:	07/24/12 12:02
Client ID:	MW-5S	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/26/12 01:53
Analytical Date:	07/27/12 16:27		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	65		10-120
4-Terphenyl-d14	86		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-07	Date Collected:	07/24/12 12:15
Client ID:	FIELD BLANK	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/26/12 02:02
Analytical Date:	07/31/12 14:56		
Analyst:	RC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Chrysene	ND		ug/l	2.0	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID: L1213182-07 Date Collected: 07/24/12 12:15

Client ID: FIELD BLANK Date Received: 07/24/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	97		10-120
4-Terphenyl-d14	95		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-07	Date Collected:	07/24/12 12:15
Client ID:	FIELD BLANK	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/26/12 01:53
Analytical Date:	07/27/12 16:57		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	92		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-09	Date Collected:	07/24/12 13:07
Client ID:	MW-13S	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/26/12 01:59
Analytical Date:	07/31/12 16:46		
Analyst:	RC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Chrysene	ND		ug/l	2.0	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID: L1213182-09 Date Collected: 07/24/12 13:07

Client ID: MW-13S Date Received: 07/24/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	86		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-09	Date Collected:	07/24/12 13:07
Client ID:	MW-13S	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/26/12 01:53
Analytical Date:	07/27/12 17:26		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	72		10-120
4-Terphenyl-d14	91		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-10	Date Collected:	07/24/12 13:25
Client ID:	RES#11	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/26/12 01:59
Analytical Date:	08/01/12 05:11		
Analyst:	RC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Chrysene	ND		ug/l	2.0	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID: L1213182-10 Date Collected: 07/24/12 13:25

Client ID: RES#11 Date Received: 07/24/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	88		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-10	Date Collected:	07/24/12 13:25
Client ID:	RES#11	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/26/12 01:53
Analytical Date:	07/27/12 17:55		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	96		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-11	Date Collected:	07/24/12 13:35
Client ID:	DUPLCIATE (RES#11)	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/26/12 01:59
Analytical Date:	08/01/12 05:38		
Analyst:	RC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Chrysene	ND		ug/l	2.0	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID: L1213182-11 Date Collected: 07/24/12 13:35

Client ID: DUPLCIATE (RES#11) Date Received: 07/24/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	99		10-120
4-Terphenyl-d14	98		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-11	Date Collected:	07/24/12 13:35
Client ID:	DUPLCIATE (RES#11)	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/26/12 01:53
Analytical Date:	07/27/12 18:24		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	95		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-12	Date Collected:	07/24/12 14:55
Client ID:	RES#10	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/26/12 01:59
Analytical Date:	08/01/12 06:06		
Analyst:	RC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Chrysene	ND		ug/l	2.0	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID: L1213182-12 Date Collected: 07/24/12 14:55

Client ID: RES#10 Date Received: 07/24/12

Sample Location: SOUTH KINGSTON, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	93		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-12	Date Collected:	07/24/12 14:55
Client ID:	RES#10	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/26/12 01:55
Analytical Date:	07/27/12 18:53		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	68		10-120
4-Terphenyl-d14	88		41-149

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213182
Report Date: 08/02/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C-SIM
Analytical Date: 07/27/12 10:38
Analyst: AS

Extraction Method: EPA 3510C
Extraction Date: 07/26/12 01:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-07,09-12 Batch: WG550927-1					
Hexachlorobutadiene	ND		ug/l	0.50	--
Benzo(a)anthracene	ND		ug/l	0.20	--
Benzo(a)pyrene	ND		ug/l	0.20	--
Benzo(b)fluoranthene	ND		ug/l	0.20	--
Benzo(k)fluoranthene	ND		ug/l	0.20	--
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--
Pentachlorophenol	ND		ug/l	0.80	--
Hexachlorobenzene	ND		ug/l	0.80	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	117		23-120
2-Fluorobiphenyl	97		15-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	112		41-149

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213182
Report Date: 08/02/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 07/30/12 19:40
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 07/26/12 01:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07,09-12 Batch: WG550928-1					
Acenaphthene	ND		ug/l	2.0	--
Benzidine	ND		ug/l	20	--
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--
2-Chloronaphthalene	ND		ug/l	2.0	--
1,2-Dichlorobenzene	ND		ug/l	2.0	--
1,3-Dichlorobenzene	ND		ug/l	2.0	--
1,4-Dichlorobenzene	ND		ug/l	2.0	--
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--
2,4-Dinitrotoluene	ND		ug/l	5.0	--
2,6-Dinitrotoluene	ND		ug/l	5.0	--
Azobenzene	ND		ug/l	2.0	--
Fluoranthene	ND		ug/l	2.0	--
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--
Hexachlorocyclopentadiene	ND		ug/l	20	--
Hexachloroethane	ND		ug/l	2.0	--
Isophorone	ND		ug/l	5.0	--
Naphthalene	ND		ug/l	2.0	--
Nitrobenzene	ND		ug/l	2.0	--
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--
Butyl benzyl phthalate	ND		ug/l	5.0	--
Di-n-butylphthalate	ND		ug/l	5.0	--
Di-n-octylphthalate	ND		ug/l	5.0	--
Diethyl phthalate	ND		ug/l	5.0	--
Dimethyl phthalate	ND		ug/l	5.0	--

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213182
Report Date: 08/02/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 07/30/12 19:40
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 07/26/12 01:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07,09-12 Batch: WG550928-1					
Chrysene	ND		ug/l	2.0	--
Acenaphthylene	ND		ug/l	2.0	--
Anthracene	ND		ug/l	2.0	--
Benzo(ghi)perylene	ND		ug/l	2.0	--
Fluorene	ND		ug/l	2.0	--
Phenanthrene	ND		ug/l	2.0	--
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--
Pyrene	ND		ug/l	2.0	--
Aniline	ND		ug/l	2.0	--
4-Chloroaniline	ND		ug/l	5.0	--
2-Nitroaniline	ND		ug/l	5.0	--
3-Nitroaniline	ND		ug/l	5.0	--
4-Nitroaniline	ND		ug/l	5.0	--
Dibenzofuran	ND		ug/l	2.0	--
2-Methylnaphthalene	ND		ug/l	2.0	--
n-Nitrosodimethylamine	ND		ug/l	2.0	--
2,4,6-Trichlorophenol	ND		ug/l	5.0	--
P-Chloro-M-Cresol	ND		ug/l	2.0	--
2-Chlorophenol	ND		ug/l	2.0	--
2,4-Dichlorophenol	ND		ug/l	5.0	--
2,4-Dimethylphenol	ND		ug/l	5.0	--
2-Nitrophenol	ND		ug/l	10	--
4-Nitrophenol	ND		ug/l	10	--
2,4-Dinitrophenol	ND		ug/l	20	--
4,6-Dinitro-o-cresol	ND		ug/l	10	--
Phenol	ND		ug/l	5.0	--
2-Methylphenol	ND		ug/l	5.0	--
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--
2,4,5-Trichlorophenol	ND		ug/l	5.0	--
Benzyl Alcohol	ND		ug/l	2.0	--

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213182
Report Date: 08/02/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 07/30/12 19:40
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 07/26/12 01:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07,09-12 Batch: WG550928-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	93		15-120
2,4,6-Tribromophenol	109		10-120
4-Terphenyl-d14	100		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213182
Report Date: 08/02/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-07,09-12 Batch: WG550927-2 WG550927-3								
Pentachlorophenol	61		51		9-103	18		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	59		57		21-120
Phenol-d6	39		38		10-120
Nitrobenzene-d5	95		93		23-120
2-Fluorobiphenyl	82		78		15-120
2,4,6-Tribromophenol	65		60		10-120
4-Terphenyl-d14	103		97		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1213182
Report Date: 08/02/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07,09-12 Batch: WG550928-2 WG550928-3								
Acenaphthene	82		90		37-111	9		30
1,2,4-Trichlorobenzene	66		60		39-98	10		30
1,4-Dichlorobenzene	62		58		36-97	7		30
2,4-Dinitrotoluene	93		**106**	Q	24-96	13		30
n-Nitrosodi-n-propylamine	94		84		29-132	11		30
Pyrene	96		100		26-127	4		30
P-Chloro-M-Cresol	93		95		23-97	2		30
2-Chlorophenol	88		82		27-123	7		30
4-Nitrophenol	47		52		10-80	10		30
Pentachlorophenol	77		85		9-103	10		30
Phenol	38		37		12-110	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	58		55		21-120
Phenol-d6	41		41		10-120
Nitrobenzene-d5	104		92		23-120
2-Fluorobiphenyl	86		91		15-120
2,4,6-Tribromophenol	100		113		10-120
4-Terphenyl-d14	94		104		41-149

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1213182
Report Date: 08/02/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-07,09-12 QC Batch ID: WG550927-4 WG550927-5 QC Sample: L1213182-01 Client ID: MW-11S												
Pentachlorophenol	ND	10	6.5	65		7.2	72		9-103	10		40

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	19		21		10-120
2-Fluorobiphenyl	25		27		15-120
2-Fluorophenol	**17**	Q	**19**	Q	21-120
4-Terphenyl-d14	**28**	Q	**30**	Q	41-149
Nitrobenzene-d5	27		30		23-120
Phenol-d6	11		12		10-120

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1213182
Report Date: 08/02/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07,09-12 QC Batch ID: WG550928-4 WG550928-5 QC Sample: L1213182-01 Client ID: MW-11S												
Acenaphthene	ND	40	33	83		38	95		37-111	14		30
1,2,4-Trichlorobenzene	ND	40	24	60		29	73		39-98	19		30
1,4-Dichlorobenzene	ND	40	24	60		30	75		36-97	22		30
2,4-Dinitrotoluene	ND	40	40	**100**	Q	43	**110**	Q	24-96	7		30
n-Nitrosodi-n-propylamine	ND	40	35	88		41	100		29-132	16		30
Pyrene	ND	40	37	93		40	100		26-127	8		30
P-Chloro-M-Cresol	ND	40	39	**98**	Q	45	**110**	Q	23-97	14		30
2-Chlorophenol	ND	40	33	83		39	98		27-123	17		30
4-Nitrophenol	ND	40	26	65		30	75		10-80	14		30
Pentachlorophenol	ND	40	36	90		39	98		9-103	8		30
Phenol	ND	40	16	40		19	48		12-110	17		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	100		119		10-120
2-Fluorobiphenyl	79		93		15-120
2-Fluorophenol	56		67		21-120
4-Terphenyl-d14	89		105		41-149
Nitrobenzene-d5	95		116		23-120
Phenol-d6	37		45		10-120

METALS

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1213182
Project Number:	CJI-1747	**Report Date:**	08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-01	Date Collected:	07/24/12 08:51
Client ID:	MW-11S	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.012		mg/l	0.010	--	1	07/25/12 15:45	08/02/12 11:29	EPA 3005A	1,6020	AK
Antimony, Total	0.0036		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 11:29	EPA 3005A	1,6020	AK
Arsenic, Total	0.0017		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 11:29	EPA 3005A	1,6020	AK
Barium, Total	0.0790		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 11:29	EPA 3005A	1,6020	AK
Beryllium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 11:29	EPA 3005A	1,6020	AK
Cadmium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 11:29	EPA 3005A	1,6020	AK
Chromium, Total	ND		mg/l	0.0010	--	1	07/25/12 15:45	08/02/12 11:29	EPA 3005A	1,6020	AK
Lead, Total	ND		mg/l	0.0010	--	1	07/25/12 15:45	08/02/12 11:29	EPA 3005A	1,6020	AK
Manganese, Total	2.726		mg/l	0.0050	--	10	07/25/12 15:45	08/02/12 14:09	EPA 3005A	1,6020	AK
Sodium, Total	20.1		mg/l	0.100	--	1	07/25/12 15:45	08/02/12 11:29	EPA 3005A	1,6020	AK
Thallium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 11:29	EPA 3005A	1,6020	AK
Vanadium, Total	ND		mg/l	0.0050	--	1	07/25/12 15:45	08/02/12 11:29	EPA 3005A	1,6020	AK
Zinc, Total	0.0173		mg/l	0.0100	--	1	07/25/12 15:45	08/02/12 11:29	EPA 3005A	1,6020	AK

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1213182
Project Number:	CJI-1747	**Report Date:**	08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-02	Date Collected:	07/24/12 10:26
Client ID:	MW-11BR	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.010	--	1	07/25/12 15:45	08/02/12 11:58	EPA 3005A	1,6020	AK
Antimony, Total	0.0016		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 11:58	EPA 3005A	1,6020	AK
Arsenic, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 11:58	EPA 3005A	1,6020	AK
Barium, Total	0.0431		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 11:58	EPA 3005A	1,6020	AK
Beryllium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 11:58	EPA 3005A	1,6020	AK
Cadmium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 11:58	EPA 3005A	1,6020	AK
Chromium, Total	ND		mg/l	0.0010	--	1	07/25/12 15:45	08/02/12 11:58	EPA 3005A	1,6020	AK
Lead, Total	ND		mg/l	0.0010	--	1	07/25/12 15:45	08/02/12 11:58	EPA 3005A	1,6020	AK
Manganese, Total	0.0007		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 11:58	EPA 3005A	1,6020	AK
Sodium, Total	71.0		mg/l	1.00	--	10	07/25/12 15:45	08/02/12 14:20	EPA 3005A	1,6020	AK
Thallium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 11:58	EPA 3005A	1,6020	AK
Vanadium, Total	ND		mg/l	0.0050	--	1	07/25/12 15:45	08/02/12 11:58	EPA 3005A	1,6020	AK
Zinc, Total	0.0166		mg/l	0.0100	--	1	07/25/12 15:45	08/02/12 11:58	EPA 3005A	1,6020	AK

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1213182
Project Number:	CJI-1747	**Report Date:**	08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-03	Date Collected:	07/24/12 09:42
Client ID:	MW-11DO	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.010	--	1	07/25/12 15:45	08/02/12 12:01	EPA 3005A	1,6020	AK
Antimony, Total	0.0025		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:01	EPA 3005A	1,6020	AK
Arsenic, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:01	EPA 3005A	1,6020	AK
Barium, Total	0.0443		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:01	EPA 3005A	1,6020	AK
Beryllium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:01	EPA 3005A	1,6020	AK
Cadmium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:01	EPA 3005A	1,6020	AK
Chromium, Total	ND		mg/l	0.0010	--	1	07/25/12 15:45	08/02/12 12:01	EPA 3005A	1,6020	AK
Lead, Total	ND		mg/l	0.0010	--	1	07/25/12 15:45	08/02/12 12:01	EPA 3005A	1,6020	AK
Manganese, Total	1.556		mg/l	0.0050	--	10	07/25/12 15:45	08/02/12 14:23	EPA 3005A	1,6020	AK
Sodium, Total	18.1		mg/l	0.100	--	1	07/25/12 15:45	08/02/12 12:01	EPA 3005A	1,6020	AK
Thallium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:01	EPA 3005A	1,6020	AK
Vanadium, Total	ND		mg/l	0.0050	--	1	07/25/12 15:45	08/02/12 12:01	EPA 3005A	1,6020	AK
Zinc, Total	0.0288		mg/l	0.0100	--	1	07/25/12 15:45	08/02/12 12:01	EPA 3005A	1,6020	AK

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1213182
Project Number:	CJI-1747	**Report Date:**	08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-04	Date Collected:	07/24/12 11:26
Client ID:	MW-6DO	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.010	--	1	07/25/12 15:45	08/02/12 12:04	EPA 3005A	1,6020	AK
Antimony, Total	0.0024		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:04	EPA 3005A	1,6020	AK
Arsenic, Total	0.0007		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:04	EPA 3005A	1,6020	AK
Barium, Total	0.0383		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:04	EPA 3005A	1,6020	AK
Beryllium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:04	EPA 3005A	1,6020	AK
Cadmium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:04	EPA 3005A	1,6020	AK
Chromium, Total	ND		mg/l	0.0010	--	1	07/25/12 15:45	08/02/12 12:04	EPA 3005A	1,6020	AK
Lead, Total	ND		mg/l	0.0010	--	1	07/25/12 15:45	08/02/12 12:04	EPA 3005A	1,6020	AK
Manganese, Total	1.613		mg/l	0.0050	--	10	07/25/12 15:45	08/02/12 14:25	EPA 3005A	1,6020	AK
Sodium, Total	15.9		mg/l	0.100	--	1	07/25/12 15:45	08/02/12 12:04	EPA 3005A	1,6020	AK
Thallium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:04	EPA 3005A	1,6020	AK
Vanadium, Total	ND		mg/l	0.0050	--	1	07/25/12 15:45	08/02/12 12:04	EPA 3005A	1,6020	AK
Zinc, Total	0.0201		mg/l	0.0100	--	1	07/25/12 15:45	08/02/12 12:04	EPA 3005A	1,6020	AK

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1213182
Project Number:	CJI-1747	**Report Date:**	08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-05	Date Collected:	07/24/12 11:26
Client ID:	DUPLICATE (MW-6DO)	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.010	--	1	07/25/12 15:45	08/02/12 12:06	EPA 3005A	1,6020	AK
Antimony, Total	0.0022		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:06	EPA 3005A	1,6020	AK
Arsenic, Total	0.0008		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:06	EPA 3005A	1,6020	AK
Barium, Total	0.0383		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:06	EPA 3005A	1,6020	AK
Beryllium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:06	EPA 3005A	1,6020	AK
Cadmium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:06	EPA 3005A	1,6020	AK
Chromium, Total	ND		mg/l	0.0010	--	1	07/25/12 15:45	08/02/12 12:06	EPA 3005A	1,6020	AK
Lead, Total	ND		mg/l	0.0010	--	1	07/25/12 15:45	08/02/12 12:06	EPA 3005A	1,6020	AK
Manganese, Total	1.613		mg/l	0.0050	--	10	07/25/12 15:45	08/02/12 14:28	EPA 3005A	1,6020	AK
Sodium, Total	16.0		mg/l	0.100	--	1	07/25/12 15:45	08/02/12 12:06	EPA 3005A	1,6020	AK
Thallium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:06	EPA 3005A	1,6020	AK
Vanadium, Total	ND		mg/l	0.0050	--	1	07/25/12 15:45	08/02/12 12:06	EPA 3005A	1,6020	AK
Zinc, Total	0.0165		mg/l	0.0100	--	1	07/25/12 15:45	08/02/12 12:06	EPA 3005A	1,6020	AK

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1213182
Project Number:	CJI-1747	**Report Date:**	08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-06	Date Collected:	07/24/12 12:02
Client ID:	MW-5S	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.010	--	1	07/25/12 15:45	08/02/12 12:09	EPA 3005A	1,6020	AK
Antimony, Total	0.0015		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:09	EPA 3005A	1,6020	AK
Arsenic, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:09	EPA 3005A	1,6020	AK
Barium, Total	0.0014		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:09	EPA 3005A	1,6020	AK
Beryllium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:09	EPA 3005A	1,6020	AK
Cadmium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:09	EPA 3005A	1,6020	AK
Chromium, Total	ND		mg/l	0.0010	--	1	07/25/12 15:45	08/02/12 12:09	EPA 3005A	1,6020	AK
Lead, Total	ND		mg/l	0.0010	--	1	07/25/12 15:45	08/02/12 12:09	EPA 3005A	1,6020	AK
Manganese, Total	0.0008		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:09	EPA 3005A	1,6020	AK
Sodium, Total	14.5		mg/l	0.100	--	1	07/25/12 15:45	08/02/12 12:09	EPA 3005A	1,6020	AK
Thallium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:09	EPA 3005A	1,6020	AK
Vanadium, Total	ND		mg/l	0.0050	--	1	07/25/12 15:45	08/02/12 12:09	EPA 3005A	1,6020	AK
Zinc, Total	0.0199		mg/l	0.0100	--	1	07/25/12 15:45	08/02/12 12:09	EPA 3005A	1,6020	AK

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1213182
Project Number:	CJI-1747	**Report Date:**	08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-07	Date Collected:	07/24/12 12:15
Client ID:	FIELD BLANK	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.010	--	1	07/25/12 15:45	08/02/12 13:34	EPA 3005A	1,6020	AK
Antimony, Total	0.0016		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:22	EPA 3005A	1,6020	AK
Arsenic, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:22	EPA 3005A	1,6020	AK
Barium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:22	EPA 3005A	1,6020	AK
Beryllium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 13:34	EPA 3005A	1,6020	AK
Cadmium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:22	EPA 3005A	1,6020	AK
Chromium, Total	ND		mg/l	0.0010	--	1	07/25/12 15:45	08/02/12 12:22	EPA 3005A	1,6020	AK
Lead, Total	ND		mg/l	0.0010	--	1	07/25/12 15:45	08/02/12 12:22	EPA 3005A	1,6020	AK
Manganese, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:22	EPA 3005A	1,6020	AK
Sodium, Total	ND		mg/l	0.100	--	1	07/25/12 15:45	08/02/12 13:34	EPA 3005A	1,6020	AK
Thallium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:22	EPA 3005A	1,6020	AK
Vanadium, Total	ND		mg/l	0.0050	--	1	07/25/12 15:45	08/02/12 12:22	EPA 3005A	1,6020	AK
Zinc, Total	0.0204		mg/l	0.0100	--	1	07/25/12 15:45	08/02/12 12:22	EPA 3005A	1,6020	AK

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1213182
Project Number:	CJI-1747	**Report Date:**	08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-09	Date Collected:	07/24/12 13:07
Client ID:	MW-13S	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.362		mg/l	0.010	--	1	07/25/12 15:45	08/02/12 13:37	EPA 3005A	1,6020	AK
Antimony, Total	0.0011		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:25	EPA 3005A	1,6020	AK
Arsenic, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:25	EPA 3005A	1,6020	AK
Barium, Total	0.0061		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:25	EPA 3005A	1,6020	AK
Beryllium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 13:37	EPA 3005A	1,6020	AK
Cadmium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:25	EPA 3005A	1,6020	AK
Chromium, Total	ND		mg/l	0.0010	--	1	07/25/12 15:45	08/02/12 12:25	EPA 3005A	1,6020	AK
Lead, Total	ND		mg/l	0.0010	--	1	07/25/12 15:45	08/02/12 12:25	EPA 3005A	1,6020	AK
Manganese, Total	0.2502		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:25	EPA 3005A	1,6020	AK
Sodium, Total	10.4		mg/l	0.100	--	1	07/25/12 15:45	08/02/12 13:37	EPA 3005A	1,6020	AK
Thallium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:25	EPA 3005A	1,6020	AK
Vanadium, Total	ND		mg/l	0.0050	--	1	07/25/12 15:45	08/02/12 12:25	EPA 3005A	1,6020	AK
Zinc, Total	0.0246		mg/l	0.0100	--	1	07/25/12 15:45	08/02/12 12:25	EPA 3005A	1,6020	AK

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1213182
Project Number:	CJI-1747	**Report Date:**	08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-10	Date Collected:	07/24/12 13:25
Client ID:	RES#11	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.010	--	1	07/25/12 15:45	08/02/12 13:40	EPA 3005A	1,6020	AK
Antimony, Total	0.0015		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:28	EPA 3005A	1,6020	AK
Arsenic, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:28	EPA 3005A	1,6020	AK
Barium, Total	0.0082		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:28	EPA 3005A	1,6020	AK
Beryllium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 13:40	EPA 3005A	1,6020	AK
Cadmium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:28	EPA 3005A	1,6020	AK
Chromium, Total	ND		mg/l	0.0010	--	1	07/25/12 15:45	08/02/12 12:28	EPA 3005A	1,6020	AK
Lead, Total	0.0012		mg/l	0.0010	--	1	07/25/12 15:45	08/02/12 12:28	EPA 3005A	1,6020	AK
Manganese, Total	0.0667		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:28	EPA 3005A	1,6020	AK
Sodium, Total	7.05		mg/l	0.100	--	1	07/25/12 15:45	08/02/12 13:40	EPA 3005A	1,6020	AK
Thallium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:28	EPA 3005A	1,6020	AK
Vanadium, Total	ND		mg/l	0.0050	--	1	07/25/12 15:45	08/02/12 12:28	EPA 3005A	1,6020	AK
Zinc, Total	0.0386		mg/l	0.0100	--	1	07/25/12 15:45	08/02/12 12:28	EPA 3005A	1,6020	AK

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1213182
Project Number:	CJI-1747	**Report Date:**	08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-11	Date Collected:	07/24/12 13:35
Client ID:	DUPLCIATE (RES#11)	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.010	--	1	07/25/12 15:45	08/02/12 13:42	EPA 3005A	1,6020	AK
Antimony, Total	0.0011		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:30	EPA 3005A	1,6020	AK
Arsenic, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:30	EPA 3005A	1,6020	AK
Barium, Total	0.0084		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:30	EPA 3005A	1,6020	AK
Beryllium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 13:42	EPA 3005A	1,6020	AK
Cadmium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:30	EPA 3005A	1,6020	AK
Chromium, Total	ND		mg/l	0.0010	--	1	07/25/12 15:45	08/02/12 12:30	EPA 3005A	1,6020	AK
Lead, Total	0.0013		mg/l	0.0010	--	1	07/25/12 15:45	08/02/12 12:30	EPA 3005A	1,6020	AK
Manganese, Total	0.0678		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:30	EPA 3005A	1,6020	AK
Sodium, Total	6.16		mg/l	0.100	--	1	07/25/12 15:45	08/02/12 13:42	EPA 3005A	1,6020	AK
Thallium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:30	EPA 3005A	1,6020	AK
Vanadium, Total	ND		mg/l	0.0050	--	1	07/25/12 15:45	08/02/12 12:30	EPA 3005A	1,6020	AK
Zinc, Total	0.0467		mg/l	0.0100	--	1	07/25/12 15:45	08/02/12 12:30	EPA 3005A	1,6020	AK

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1213182
Project Number:	CJI-1747	**Report Date:**	08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-12	Date Collected:	07/24/12 14:55
Client ID:	RES#10	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.010	--	1	07/25/12 15:45	08/02/12 13:45	EPA 3005A	1,6020	AK
Antimony, Total	0.0016		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:33	EPA 3005A	1,6020	AK
Arsenic, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:33	EPA 3005A	1,6020	AK
Barium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:33	EPA 3005A	1,6020	AK
Beryllium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 13:45	EPA 3005A	1,6020	AK
Cadmium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:33	EPA 3005A	1,6020	AK
Chromium, Total	ND		mg/l	0.0010	--	1	07/25/12 15:45	08/02/12 12:33	EPA 3005A	1,6020	AK
Lead, Total	ND		mg/l	0.0010	--	1	07/25/12 15:45	08/02/12 12:33	EPA 3005A	1,6020	AK
Manganese, Total	0.0007		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:33	EPA 3005A	1,6020	AK
Sodium, Total	30.7		mg/l	0.100	--	1	07/25/12 15:45	08/02/12 13:45	EPA 3005A	1,6020	AK
Thallium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:33	EPA 3005A	1,6020	AK
Vanadium, Total	ND		mg/l	0.0050	--	1	07/25/12 15:45	08/02/12 12:33	EPA 3005A	1,6020	AK
Zinc, Total	0.0257		mg/l	0.0100	--	1	07/25/12 15:45	08/02/12 12:33	EPA 3005A	1,6020	AK

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1213182
Project Number:	CJI-1747	**Report Date:**	08/02/12

SAMPLE RESULTS

Lab ID:	L1213182-13	Date Collected:	07/24/12 10:30
Client ID:	SW-12	Date Received:	07/24/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.012		mg/l	0.010	--	1	07/25/12 15:45	08/02/12 13:50	EPA 3005A	1,6020	AK
Arsenic, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:35	EPA 3005A	1,6020	AK
Cadmium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:35	EPA 3005A	1,6020	AK
Chromium, Total	ND		mg/l	0.0010	--	1	07/25/12 15:45	08/02/12 12:35	EPA 3005A	1,6020	AK
Copper, Total	0.0044		mg/l	0.0010	--	1	07/25/12 15:45	08/02/12 12:35	EPA 3005A	1,6020	AK
Iron, Total	1.49		mg/l	0.050	--	1	07/25/12 15:45	08/02/12 12:35	EPA 3005A	1,6020	AK
Lead, Total	ND		mg/l	0.0010	--	1	07/25/12 15:45	08/02/12 12:35	EPA 3005A	1,6020	AK
Manganese, Total	0.5562		mg/l	0.0010	--	2	07/25/12 15:45	08/02/12 14:31	EPA 3005A	1,6020	AK
Nickel, Total	0.0013		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:35	EPA 3005A	1,6020	AK
Silver, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 12:35	EPA 3005A	1,6020	AK
Zinc, Total	0.0592		mg/l	0.0100	--	1	07/25/12 15:45	08/02/12 12:35	EPA 3005A	1,6020	AK
Total Hardness by SM 2340B - Westborough Lab											
Hardness	45		mg/l	0.66	--	1	07/25/12 15:45	07/31/12 23:00	EPA 3005A	1,6010B	BM
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	ND		mg/l	0.010	--	1	07/25/12 10:44	08/02/12 10:41	NA	1,6020	AK
Arsenic, Dissolved	0.0010		mg/l	0.0005	--	1	07/25/12 10:44	08/02/12 10:41	NA	1,6020	AK
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	07/25/12 10:44	08/02/12 10:41	NA	1,6020	AK
Chromium, Dissolved	ND		mg/l	0.0010	--	1	07/25/12 10:44	08/02/12 10:41	NA	1,6020	AK
Copper, Dissolved	0.0041		mg/l	0.0010	--	1	07/25/12 10:44	08/02/12 10:41	NA	1,6020	AK
Iron, Dissolved	0.148		mg/l	0.050	--	1	07/25/12 10:44	08/02/12 10:41	NA	1,6020	AK
Lead, Dissolved	ND		mg/l	0.0010	--	1	07/25/12 10:44	08/02/12 10:41	NA	1,6020	AK
Manganese, Dissolved	0.5130		mg/l	0.0010	--	2	07/25/12 10:44	08/02/12 12:38	NA	1,6020	AK
Nickel, Dissolved	0.0014		mg/l	0.0005	--	1	07/25/12 10:44	08/02/12 10:41	NA	1,6020	AK
Silver, Dissolved	ND		mg/l	0.0005	--	1	07/25/12 10:44	08/02/12 10:41	NA	1,6020	AK
Zinc, Dissolved	0.0415		mg/l	0.0100	--	1	07/25/12 10:44	08/02/12 10:41	NA	1,6020	AK

Project Name: ROSE HILL LANDFILL
Lab Number: L1213182
Project Number: CJI-1747
Report Date: 08/02/12

SAMPLE RESULTS

Lab ID: L1213182-14
Client ID: SW-13
Sample Location: SOUTH KINGSTON, RI
Matrix: Water

Date Collected: 07/24/12 13:15
Date Received: 07/24/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.390		mg/l	0.010	--	1	07/25/12 15:45	08/02/12 11:48	EPA 3005A	1,6020	AK
Arsenic, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 11:48	EPA 3005A	1,6020	AK
Cadmium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 11:48	EPA 3005A	1,6020	AK
Chromium, Total	ND		mg/l	0.0010	--	1	07/25/12 15:45	08/02/12 11:48	EPA 3005A	1,6020	AK
Copper, Total	0.0016		mg/l	0.0010	--	1	07/25/12 15:45	08/02/12 11:48	EPA 3005A	1,6020	AK
Iron, Total	0.704		mg/l	0.050	--	1	07/25/12 15:45	08/02/12 11:48	EPA 3005A	1,6020	AK
Lead, Total	0.0020		mg/l	0.0010	--	1	07/25/12 15:45	08/02/12 11:48	EPA 3005A	1,6020	AK
Manganese, Total	0.0976		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 11:48	EPA 3005A	1,6020	AK
Nickel, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 11:48	EPA 3005A	1,6020	AK
Silver, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 11:48	EPA 3005A	1,6020	AK
Zinc, Total	0.030		mg/l	0.0100	--	1	07/25/12 15:45	08/02/12 11:48	EPA 3005A	1,6020	AK
Total Hardness by SM 2340B - Westborough Lab											
Hardness	11		mg/l	0.66	--	1	07/25/12 15:45	07/31/12 22:41	EPA 3005A	1,6010B	BM
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.144		mg/l	0.010	--	1	07/25/12 10:44	08/02/12 10:27	NA	1,6020	AK
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	07/25/12 10:44	08/02/12 10:27	NA	1,6020	AK
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	07/25/12 10:44	08/02/12 10:27	NA	1,6020	AK
Chromium, Dissolved	ND		mg/l	0.0010	--	1	07/25/12 10:44	08/02/12 10:27	NA	1,6020	AK
Copper, Dissolved	0.0012		mg/l	0.0010	--	1	07/25/12 10:44	08/02/12 10:27	NA	1,6020	AK
Iron, Dissolved	0.352		mg/l	0.050	--	1	07/25/12 10:44	08/02/12 10:27	NA	1,6020	AK
Lead, Dissolved	ND		mg/l	0.0010	--	1	07/25/12 10:44	08/02/12 10:27	NA	1,6020	AK
Manganese, Dissolved	0.0367		mg/l	0.0005	--	1	07/25/12 10:44	08/02/12 10:27	NA	1,6020	AK
Nickel, Dissolved	ND		mg/l	0.0005	--	1	07/25/12 10:44	08/02/12 10:27	NA	1,6020	AK
Silver, Dissolved	ND		mg/l	0.0005	--	1	07/25/12 10:44	08/02/12 10:27	NA	1,6020	AK
Zinc, Dissolved	0.0289		mg/l	0.0100	--	1	07/25/12 10:44	08/02/12 10:27	NA	1,6020	AK

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-07,09-14 Batch: WG550783-1										
Aluminum, Total	ND		mg/l	0.010	--	1	07/25/12 15:45	08/02/12 11:00	1,6020	AK
Antimony, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 11:10	1,6020	AK
Arsenic, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 11:00	1,6020	AK
Barium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 11:00	1,6020	AK
Beryllium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 11:00	1,6020	AK
Cadmium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 11:00	1,6020	AK
Chromium, Total	ND		mg/l	0.0010	--	1	07/25/12 15:45	08/02/12 11:00	1,6020	AK
Copper, Total	ND		mg/l	0.0010	--	1	07/25/12 15:45	08/02/12 11:00	1,6020	AK
Iron, Total	ND		mg/l	0.050	--	1	07/25/12 15:45	08/02/12 11:00	1,6020	AK
Lead, Total	ND		mg/l	0.0010	--	1	07/25/12 15:45	08/02/12 11:00	1,6020	AK
Manganese, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 11:00	1,6020	AK
Nickel, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 11:00	1,6020	AK
Silver, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 11:00	1,6020	AK
Sodium, Total	ND		mg/l	0.100	--	1	07/25/12 15:45	08/02/12 11:00	1,6020	AK
Thallium, Total	ND		mg/l	0.0005	--	1	07/25/12 15:45	08/02/12 11:00	1,6020	AK
Vanadium, Total	ND		mg/l	0.0050	--	1	07/25/12 15:45	08/02/12 11:00	1,6020	AK
Zinc, Total	ND		mg/l	0.0100	--	1	07/25/12 15:45	08/02/12 11:00	1,6020	AK

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 13-14 Batch: WG551313-1										
Aluminum, Dissolved	ND		mg/l	0.010	--	1	07/25/12 10:44	08/02/12 10:19	1,6020	AK
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	07/25/12 10:44	08/02/12 10:19	1,6020	AK
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	07/25/12 10:44	08/02/12 10:19	1,6020	AK
Chromium, Dissolved	ND		mg/l	0.0010	--	1	07/25/12 10:44	08/02/12 10:19	1,6020	AK
Copper, Dissolved	ND		mg/l	0.0010	--	1	07/25/12 10:44	08/02/12 10:19	1,6020	AK
Iron, Dissolved	ND		mg/l	0.050	--	1	07/25/12 10:44	08/02/12 10:19	1,6020	AK
Lead, Dissolved	ND		mg/l	0.0010	--	1	07/25/12 10:44	08/02/12 10:19	1,6020	AK
Manganese, Dissolved	ND		mg/l	0.0005	--	1	07/25/12 10:44	08/02/12 10:19	1,6020	AK
Nickel, Dissolved	ND		mg/l	0.0005	--	1	07/25/12 10:44	08/02/12 10:19	1,6020	AK

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

Method Blank Analysis
Batch Quality Control

Silver, Dissolved	ND	mg/l	0.0005	--	1	07/25/12 10:44	08/02/12 10:19	1,6020	AK
Zinc, Dissolved	ND	mg/l	0.0100	--	1	07/25/12 10:44	08/02/12 10:19	1,6020	AK

Prep Information

Digestion Method: NA

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Hardness by SM 2340B - Westborough Lab for sample(s): 13-14 Batch: WG551894-1										
Hardness	ND		mg/l	0.66	--	1	07/25/12 15:45	07/31/12 22:23	1,6010B	BM

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213182
Report Date: 08/02/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-07,09-14 Batch: WG550783-2								
Aluminum, Total	100		-		80-120	-		
Antimony, Total	97		-		80-120	-		
Arsenic, Total	98		-		80-120	-		
Barium, Total	98		-		80-120	-		
Beryllium, Total	111		-		80-120	-		
Cadmium, Total	104		-		80-120	-		
Chromium, Total	96		-		80-120	-		
Copper, Total	96		-		80-120	-		
Iron, Total	96		-		80-120	-		
Lead, Total	104		-		80-120	-		
Manganese, Total	99		-		80-120	-		
Nickel, Total	98		-		80-120	-		
Silver, Total	96		-		80-120	-		
Sodium, Total	100		-		80-120	-		
Thallium, Total	96		-		80-120	-		
Vanadium, Total	98		-		80-120	-		
Zinc, Total	106		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213182
Report Date: 08/02/12

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 13-14 Batch: WG551313-2					
Aluminum, Dissolved	89	-	80-120	-	
Arsenic, Dissolved	98	-	80-120	-	
Cadmium, Dissolved	96	-	80-120	-	
Chromium, Dissolved	90	-	80-120	-	
Copper, Dissolved	89	-	80-120	-	
Iron, Dissolved	87	-	80-120	-	
Lead, Dissolved	94	-	80-120	-	
Manganese, Dissolved	90	-	80-120	-	
Nickel, Dissolved	93	-	80-120	-	
Silver, Dissolved	96	-	80-120	-	
Zinc, Dissolved	101	-	80-120	-	
Total Hardness by SM 2340B - Westborough Lab Associated sample(s): 13-14 Batch: WG551894-2					
Hardness	98	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1213182
Report Date: 08/02/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-07,09-14 QC Batch ID: WG550783-3 WG550783-4 QC Sample: L1213182-01 Client ID: MW-11S												
Aluminum, Total	0.012	2	1.97	98		1.99	99		80-120	1		20
Antimony, Total	0.0036	0.5	0.4974	99		0.4970	99		80-120	0		20
Arsenic, Total	0.0017	0.12	0.1282	105		0.1290	106		80-120	1		20
Barium, Total	0.0790	2	1.981	95		1.985	95		80-120	0		20
Beryllium, Total	ND	0.05	0.0538	108		0.0519	104		80-120	4		20
Cadmium, Total	ND	0.051	0.0549	108		0.0548	107		80-120	0		20
Chromium, Total	ND	0.2	0.1905	95		0.1916	96		80-120	1		20
Copper, Total	ND	0.25	0.2329	93		0.2355	94		80-120	1		20
Iron, Total	38.2	1	37.9	**0**	Q	37.9	**0**	Q	80-120	0		20
Lead, Total	ND	0.51	0.5156	101		0.5243	103		80-120	2		20
Manganese, Total	2.726	0.5	3.102	**75**	Q	3.160	87		80-120	2		20
Nickel, Total	0.0040	0.5	0.4743	94		0.4884	97		80-120	3		20
Silver, Total	ND	0.05	0.0483	97		0.0481	96		80-120	0		20
Sodium, Total	20.1	10	28.6	85		29.1	90		80-120	2		20
Thallium, Total	ND	0.12	0.1128	94		0.1142	95		80-120	1		20
Vanadium, Total	ND	0.5	0.4749	95		0.4811	96		80-120	1		20
Zinc, Total	0.0173	0.5	0.5353	104		0.5432	105		80-120	1		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1213182
Report Date: 08/02/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-07,09-14 QC Batch ID: WG550783-5 WG550783-6 QC Sample: L1213182-14 Client ID: SW-13									
Aluminum, Total	0.390	2	2.42	102	2.45	103	80-120	1	20
Antimony, Total	0.0015	0.5	0.4888	97	0.4888	97	80-120	0	20
Arsenic, Total	ND	0.12	0.1273	106	0.1375	114	80-120	8	20
Barium, Total	0.0088	2	1.956	97	1.953	97	80-120	0	20
Beryllium, Total	ND	0.05	0.0554	111	0.0583	116	80-120	5	20
Cadmium, Total	ND	0.051	0.0556	109	0.0558	109	80-120	0	20
Chromium, Total	ND	0.2	0.1925	96	0.1929	96	80-120	0	20
Copper, Total	0.0016	0.25	0.2386	95	0.2409	96	80-120	1	20
Iron, Total	0.704	1	1.69	99	1.71	101	80-120	1	20
Lead, Total	0.0020	0.51	0.5266	103	0.5611	110	80-120	6	20
Manganese, Total	0.0976	0.5	0.5985	100	0.5876	98	80-120	2	20
Nickel, Total	ND	0.5	0.4825	96	0.4895	98	80-120	1	20
Silver, Total	ND	0.05	0.0484	97	0.0475	95	80-120	2	20
Sodium, Total	11.0	10	20.4	94	20.5	95	80-120	0	20
Thallium, Total	ND	0.12	0.1136	95	0.1219	102	80-120	7	20
Vanadium, Total	ND	0.5	0.4823	96	0.4894	98	80-120	1	20
Zinc, Total	0.030	0.5	0.5721	108	0.5648	107	80-120	1	20

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1213182
Report Date: 08/02/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 13-14 QC Batch ID: WG551313-3 WG551313-4 QC Sample: L1213182-14 Client ID: SW-13									
Aluminum, Dissolved	0.144	2	2.07	96	2.01	93	80-120	3	20
Arsenic, Dissolved	ND	0.12	0.1245	104	0.1209	101	80-120	3	20
Cadmium, Dissolved	ND	0.051	0.0550	108	0.0534	105	80-120	3	20
Chromium, Dissolved	ND	0.2	0.1935	97	0.1862	93	80-120	4	20
Copper, Dissolved	0.0012	0.25	0.2455	98	0.2406	96	80-120	2	20
Iron, Dissolved	0.352	1	1.28	93	1.20	85	80-120	6	20
Lead, Dissolved	ND	0.51	0.5176	101	0.5016	98	80-120	3	20
Manganese, Dissolved	0.0367	0.5	0.5178	96	0.4924	91	80-120	5	20
Nickel, Dissolved	ND	0.5	0.5009	100	0.4817	96	80-120	4	20
Silver, Dissolved	ND	0.05	0.0487	97	0.0467	93	80-120	4	20
Zinc, Dissolved	0.0289	0.5	0.5625	107	0.5441	103	80-120	3	20
Total Hardness by SM 2340B - Westborough Lab Associated sample(s): 13-14 QC Batch ID: WG551894-3 WG551894-4 QC Sample: L1213182-14 Client ID: SW-13									
Hardness	11	66.2	75	97	72	92	75-125	4	20

INORGANICS
&
MISCELLANEOUS

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213182
Report Date: 08/02/12

SAMPLE RESULTS

Lab ID: L1213182-13
Client ID: SW-12
Sample Location: SOUTH KINGSTON, RI
Matrix: Water

Date Collected: 07/24/12 10:30
Date Received: 07/24/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	--	1	07/26/12 11:30	07/27/12 14:45	1,9010B/9012A	JO
Nitrogen, Ammonia	0.717		mg/l	0.075	--	1	07/25/12 08:50	07/25/12 15:52	30,4500NH3-BH	JO
Nitrogen, Nitrate	0.94		mg/l	0.10	--	1	-	07/24/12 23:33	30,4500NO3-F	DB
Phosphorus, Total	0.016		mg/l	0.010	--	1	07/27/12 13:00	07/27/12 15:51	30,4500P-E	SD
Sulfide	ND		mg/l	0.10	--	1	07/30/12 12:30	07/30/12 13:53	1,9030B	MP
Total Organic Carbon	4.0		mg/l	1.0	--	2	-	07/31/12 08:00	1,9060	DW

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213182
Report Date: 08/02/12

SAMPLE RESULTS

Lab ID: L1213182-14
Client ID: SW-13
Sample Location: SOUTH KINGSTON, RI
Matrix: Water

Date Collected: 07/24/12 13:15
Date Received: 07/24/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	--	1	07/26/12 11:30	07/27/12 14:45	1,9010B/9012A	JO
Nitrogen, Ammonia	0.298		mg/l	0.075	--	1	07/25/12 08:50	07/25/12 15:53	30,4500NH3-BH	JO
Nitrogen, Nitrate	1.0		mg/l	0.10	--	1	-	07/24/12 23:34	30,4500NO3-F	DB
Phosphorus, Total	0.140		mg/l	0.010	--	1	07/27/12 13:00	07/27/12 15:52	30,4500P-E	SD
Sulfide	ND		mg/l	0.10	--	1	07/30/12 12:30	07/30/12 13:53	1,9030B	MP
Total Organic Carbon	5.6		mg/l	1.0	--	2	-	07/31/12 08:00	1,9060	DW

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 13-14 Batch: WG550607-1										
Nitrogen, Nitrate	ND		mg/l	0.10	--	1	-	07/24/12 23:13	30,4500NO3-F	DB
General Chemistry - Westborough Lab for sample(s): 13-14 Batch: WG550662-1										
Nitrogen, Ammonia	ND		mg/l	0.075	--	1	07/25/12 08:50	07/25/12 15:48	30,4500NH3-BH	JO
General Chemistry - Westborough Lab for sample(s): 13-14 Batch: WG551015-1										
Cyanide, Total	ND		mg/l	0.005	--	1	07/26/12 11:30	07/27/12 14:40	1,9010B/9012A	JO
General Chemistry - Westborough Lab for sample(s): 13-14 Batch: WG551383-1										
Phosphorus, Total	ND		mg/l	0.010	--	1	07/27/12 13:00	07/27/12 15:50	30,4500P-E	SD
General Chemistry - Westborough Lab for sample(s): 13-14 Batch: WG551652-1										
Sulfide	ND		mg/l	0.10	--	1	07/30/12 12:30	07/30/12 13:51	1,9030B	MP
General Chemistry - Westborough Lab for sample(s): 13-14 Batch: WG551848-1										
Total Organic Carbon	ND		mg/l	0.50	--	1	-	07/31/12 08:00	1,9060	DW

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213182
Report Date: 08/02/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 13-14 Batch: WG550607-2								
Nitrogen, Nitrate	94		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 13-14 Batch: WG550662-2								
Nitrogen, Ammonia	94		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 13-14 Batch: WG551015-2 WG551015-3								
Cyanide, Total	112		114		80-120	2		20
General Chemistry - Westborough Lab Associated sample(s): 13-14 Batch: WG551383-2								
Phosphorus, Total	101		-		80-120	-		
General Chemistry - Westborough Lab Associated sample(s): 13-14 Batch: WG551652-2								
Sulfide	104		-		75-125	-		
General Chemistry - Westborough Lab Associated sample(s): 13-14 Batch: WG551848-2								
Total Organic Carbon	96		-		90-110	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1213182
Report Date: 08/02/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 13-14 QC Batch ID: WG550607-4 QC Sample: L1213182-14 Client ID: SW-13												
Nitrogen, Nitrate	1.0	4	5.0	100		-	-		83-113	-		17
General Chemistry - Westborough Lab Associated sample(s): 13-14 QC Batch ID: WG550662-4 QC Sample: L1213182-14 Client ID: SW-13												
Nitrogen, Ammonia	0.298	4	4.17	97		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 13-14 QC Batch ID: WG551015-4 WG551015-5 QC Sample: L1213182-14 Client ID: SW-13												
Cyanide, Total	ND	0.2	0.217	108		0.218	109		80-120	0		20
General Chemistry - Westborough Lab Associated sample(s): 13-14 QC Batch ID: WG551383-3 QC Sample: L1213182-14 Client ID: SW-13												
Phosphorus, Total	0.140	0.5	0.655	103		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 13-14 QC Batch ID: WG551652-4 QC Sample: L1213182-14 Client ID: SW-13												
Sulfide	ND	0.53	0.44	83		-	-		70-130	-		20
General Chemistry - Westborough Lab Associated sample(s): 13-14 QC Batch ID: WG551848-4 QC Sample: L1213182-14 Client ID: SW-13												
Total Organic Carbon	5.6	8	14	110		-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213182
Report Date: 08/02/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 13-14 QC Batch ID: WG550607-3 QC Sample: L1213182-14 Client ID: SW-13						
Nitrogen, Nitrate	1.0	0.98	mg/l	1.4		17
General Chemistry - Westborough Lab Associated sample(s): 13-14 QC Batch ID: WG550662-3 QC Sample: L1213182-14 Client ID: SW-13						
Nitrogen, Ammonia	0.298	0.311	mg/l	4		20
General Chemistry - Westborough Lab Associated sample(s): 13-14 QC Batch ID: WG551383-4 QC Sample: L1213182-14 Client ID: SW-13						
Phosphorus, Total	0.140	0.129	mg/l	8		20
General Chemistry - Westborough Lab Associated sample(s): 13-14 QC Batch ID: WG551652-3 QC Sample: L1213182-14 Client ID: SW-13						
Sulfide	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 13-14 QC Batch ID: WG551848-3 QC Sample: L1213182-14 Client ID: SW-13						
Total Organic Carbon	5.6	5.8	mg/l	4		20

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213182
Report Date: 08/02/12

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Cooler	Custody Seal
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1213182-01A	Vial HCl preserved	B	N/A	5	Y	Absent	8260(14)
L1213182-01B	Vial HCl preserved	B	N/A	5	Y	Absent	8260(14)
L1213182-01C	Vial HCl preserved	B	N/A	5	Y	Absent	8260(14)
L1213182-01D	Vial HCl preserved	B	N/A	5	Y	Absent	8260(14)
L1213182-01E	Vial HCl preserved	B	N/A	5	Y	Absent	8260(14)
L1213182-01F	Vial HCl preserved	B	N/A	5	Y	Absent	8260(14)
L1213182-01G	Amber 1000ml unpreserved	B	7	5	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213182-01H	Amber 1000ml unpreserved	B	7	5	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213182-01I	Amber 1000ml unpreserved	B	7	5	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213182-01J	Amber 1000ml unpreserved	B	7	5	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213182-01K	Amber 1000ml unpreserved	B	7	5	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213182-01L	Amber 1000ml unpreserved	B	7	5	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213182-01M	Plastic 250ml HNO3 preserved	B	<2	5	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180)
L1213182-01N	Plastic 250ml HNO3 preserved	B	<2	5	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180)
L1213182-01O	Plastic 250ml HNO3 preserved	B	<2	5	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180)

*Values in parentheses indicate holding time in days

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213182
Report Date: 08/02/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1213182-02A	Vial HCl preserved	B	N/A	5	Y	Absent	8260(14)
L1213182-02B	Vial HCl preserved	B	N/A	5	Y	Absent	8260(14)
L1213182-02C	Amber 1000ml unpreserved	B	7	5	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213182-02D	Amber 1000ml unpreserved	B	7	5	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213182-02E	Plastic 250ml HNO3 preserved	B	<2	5	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180)
L1213182-03A	Vial HCl preserved	B	N/A	5	Y	Absent	8260(14)
L1213182-03B	Vial HCl preserved	B	N/A	5	Y	Absent	8260(14)
L1213182-03C	Amber 1000ml unpreserved	B	7	5	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213182-03D	Amber 1000ml unpreserved	B	7	5	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213182-03E	Plastic 250ml HNO3 preserved	B	<2	5	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180)
L1213182-04A	Vial HCl preserved	B	N/A	5	Y	Absent	8260(14)
L1213182-04B	Vial HCl preserved	B	N/A	5	Y	Absent	8260(14)
L1213182-04C	Amber 1000ml unpreserved	B	7	5	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213182-04D	Amber 1000ml unpreserved	B	7	5	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213182-04E	Plastic 250ml HNO3 preserved	B	<2	5	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180)
L1213182-05A	Vial HCl preserved	B	N/A	5	Y	Absent	8260(14)
L1213182-05B	Vial HCl preserved	B	N/A	5	Y	Absent	8260(14)
L1213182-05C	Amber 1000ml unpreserved	B	7	5	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213182-05D	Amber 1000ml unpreserved	B	7	5	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213182-05E	Plastic 250ml HNO3 preserved	B	<2	5	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180)
L1213182-06A	Vial HCl preserved	B	N/A	5	Y	Absent	8260(14)
L1213182-06B	Vial HCl preserved	B	N/A	5	Y	Absent	8260(14)
L1213182-06C	Amber 1000ml unpreserved	B	7	5	Y	Absent	8270TCL(7),8270TCL-SIM(7)

*Values in parentheses indicate holding time in days

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213182
Report Date: 08/02/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1213182-06D	Amber 1000ml unpreserved	B	7	5	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213182-06E	Plastic 250ml HNO3 preserved	B	<2	5	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180)
L1213182-07A	Vial HCl preserved	A	N/A	4	Y	Absent	8260(14)
L1213182-07B	Vial HCl preserved	A	N/A	4	Y	Absent	8260(14)
L1213182-07C	Amber 1000ml unpreserved	A	7	4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213182-07D	Amber 1000ml unpreserved	A	7	4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213182-07E	Plastic 250ml HNO3 preserved	A	<2	4	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180)
L1213182-08A	Vial HCl preserved	A	N/A	4	Y	Absent	8260(14)
L1213182-09A	Vial HCl preserved	A	N/A	4	Y	Absent	8260(14)
L1213182-09B	Vial HCl preserved	A	N/A	4	Y	Absent	8260(14)
L1213182-09C	Amber 1000ml unpreserved	A	7	4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213182-09D	Amber 1000ml unpreserved	A	7	4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213182-09E	Plastic 250ml HNO3 preserved	A	<2	4	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180)
L1213182-10A	Vial HCl preserved	A	N/A	4	Y	Absent	8260(14)
L1213182-10B	Vial HCl preserved	A	N/A	4	Y	Absent	8260(14)
L1213182-10C	Amber 1000ml unpreserved	A	7	4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213182-10D	Amber 1000ml unpreserved	A	7	4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213182-10E	Plastic 250ml HNO3 preserved	A	<2	4	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180)
L1213182-11A	Vial HCl preserved	A	N/A	4	Y	Absent	8260(14)
L1213182-11B	Vial HCl preserved	A	N/A	4	Y	Absent	8260(14)
L1213182-11C	Amber 1000ml unpreserved	A	7	4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213182-11D	Amber 1000ml unpreserved	A	7	4	Y	Absent	8270TCL(7),8270TCL-SIM(7)

*Values in parentheses indicate holding time in days

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213182
Report Date: 08/02/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1213182-11E	Plastic 250ml HNO3 preserved	A	<2	4	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180)
L1213182-12A	Vial HCl preserved	A	N/A	4	Y	Absent	8260(14)
L1213182-12B	Vial HCl preserved	A	N/A	4	Y	Absent	8260(14)
L1213182-12C	Amber 1000ml unpreserved	A	7	4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213182-12D	Amber 1000ml unpreserved	A	7	4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213182-12E	Plastic 250ml HNO3 preserved	A	<2	4	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180)
L1213182-13A	Vial H2SO4 preserved	C	N/A	2	Y	Absent	TOC-9060(28)
L1213182-13B	Vial H2SO4 preserved	C	N/A	2	Y	Absent	TOC-9060(28)
L1213182-13C	Plastic 500ml unpreserved	C	7	2	Y	Absent	-
L1213182-13D	Plastic 500ml H2SO4 preserved	C	<2	2	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1213182-13E	Plastic 250ml unpreserved	C	7	2	Y	Absent	NO3-4500(2)
L1213182-13F	Plastic 250ml NaOH preserved	C	>12	2	Y	Absent	TCN-9010(14)
L1213182-13G	Plastic 250ml Zn Acetate/NaOH pr	C	>12	2	Y	Absent	SULFIDE-9030(7)
L1213182-13H	Plastic 250ml Zn Acetate/NaOH pr	C	>12	2	Y	Absent	SULFIDE-9030(7)
L1213182-13I	Plastic 250ml HNO3 preserved	C	<2	2	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT(180)
L1213182-13J	Plastic 250ml HNO3 preserved	C	<2	2	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT(180)
L1213182-13X	Plastic 250ml HNO3 preserved spl	C	<2	2	Y	Absent	CU-6020S(180),MN-6020S(180),ZN-6020S(180),CR-6020S(180),FE-6020S(180),NI-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),AL-6020S(180),CD-6020S(180)
L1213182-14A	Vial H2SO4 preserved	C	N/A	2	Y	Absent	TOC-9060(28)
L1213182-14A1	Plastic 250ml Zn Acetate/NaOH pr	C	>12	2	Y	Absent	SULFIDE-9030(7)
L1213182-14A2	Plastic 250ml Zn Acetate/NaOH pr	C	>12	2	Y	Absent	SULFIDE-9030(7)

*Values in parentheses indicate holding time in days

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213182
Report Date: 08/02/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1213182-14A3	Plastic 250ml HNO3 preserved	C	<2	2	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT(180)
L1213182-14A4	Plastic 250ml HNO3 preserved	C	<2	2	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT(180)
L1213182-14A5	Plastic 500ml H2SO4 preserved	C	<2	2	Y	Absent	NH3-4500(28)
L1213182-14B	Vial H2SO4 preserved	C	N/A	2	Y	Absent	TOC-9060(28)
L1213182-14C	Plastic 500ml unpreserved	C	7	2	Y	Absent	-
L1213182-14D	Plastic 500ml H2SO4 preserved	C	<2	2	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1213182-14E	Plastic 250ml unpreserved	C	7	2	Y	Absent	NO3-4500(2)
L1213182-14F	Plastic 250ml NaOH preserved	C	>12	2	Y	Absent	TCN-9010(14)
L1213182-14G	Plastic 250ml Zn Acetate/NaOH pr	C	>12	2	Y	Absent	SULFIDE-9030(7)
L1213182-14H	Plastic 250ml Zn Acetate/NaOH pr	C	>12	2	Y	Absent	SULFIDE-9030(7)
L1213182-14I	Plastic 250ml HNO3 preserved	C	<2	2	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT(180)
L1213182-14J	Plastic 250ml HNO3 preserved	C	<2	2	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT(180)
L1213182-14K	Vial H2SO4 preserved	C	N/A	2	Y	Absent	TOC-9060(28)
L1213182-14L	Vial H2SO4 preserved	C	N/A	2	Y	Absent	TOC-9060(28)
L1213182-14M	Plastic 500ml unpreserved	C	7	2	Y	Absent	-
L1213182-14N	Plastic 500ml H2SO4 preserved	C	<2	2	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1213182-14O	Plastic 250ml unpreserved	C	7	2	Y	Absent	NO3-4500(2)
L1213182-14P	Plastic 250ml NaOH preserved	C	>12	2	Y	Absent	TCN-9010(14)
L1213182-14Q	Plastic 250ml Zn Acetate/NaOH pr	C	>12	2	Y	Absent	SULFIDE-9030(7)
L1213182-14R	Plastic 250ml Zn Acetate/NaOH pr	C	>12	2	Y	Absent	SULFIDE-9030(7)

*Values in parentheses indicate holding time in days

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213182
Report Date: 08/02/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1213182-14S	Plastic 250ml HNO3 preserved	C	<2	2	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT(180)
L1213182-14T	Plastic 250ml HNO3 preserved	C	<2	2	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT(180)
L1213182-14U	Vial H2SO4 preserved	C	N/A	2	Y	Absent	TOC-9060(28)
L1213182-14V	Vial H2SO4 preserved	C	N/A	2	Y	Absent	TOC-9060(28)
L1213182-14W	Plastic 500ml unpreserved	C	7	2	Y	Absent	-
L1213182-14X	Plastic 250ml HNO3 preserved spl	C	<2	2	Y	Absent	CU-6020S(180),MN-6020S(180),ZN-6020S(180),CR-6020S(180),FE-6020S(180),TPHOS-4500(28),NI-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),AL-6020S(180),CD-6020S(180)
L1213182-14Y	Plastic 250ml unpreserved	C	7	2	Y	Absent	NO3-4500(2)
L1213182-14Z	Plastic 250ml NaOH preserved	C	>12	2	Y	Absent	TCN-9010(14)

*Values in parentheses indicate holding time in days

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182

Project Number: CJI-1747 **Report Date:** 08/02/12

GLOSSARY

Acronyms

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: Data Usability Report

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1213182
Project Number:	CJI-1747	**Report Date:**	08/02/12

Data Qualifiers

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213182
Project Number: CJI-1747 **Report Date:** 08/02/12

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised May 11, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D, Fecal Coliform-EC Medium 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterolert, E.Coli 9223.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics, Acid Extractables (Phenols), Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8082, 8330, 8151A, 8260B, 8270C, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014A, 9030B, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1,

SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6010C, 6020, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9030B, 9040B, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8081B, 8151A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 6010C, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050, 9065,1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3550B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, 8151A, 8015B, 8082, 8082A, 8081A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, 2540G, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ OQA-QAM-025 Rev.7, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C,6020, 6020A, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 624, 8260B, 8270C, 8270D, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012A, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C, 3546, 3580, 3580A, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 1312, 3005A, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8330)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 3060A, 6010B, 6010C, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3546, 3580A, 3630C, 5035, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 3005A,3015,1312,6010B,6010C,SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X. Organic Parameters: EPA 8260B)

Solid & Hazardous Waste (Inorganic Parameters: EPA 3050B, 1311, 1312, 6010B, 6010C, 9030B, 9010B, 9012A, 9014. Organic Parameters: EPA 5035, 5030B, 8260B, 8015B, 8015C.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease

CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 7/24/12

ALPHA Job #: L1213182

Client Information

Client: Louis Berger Group
Address: 295 Promenade Street
Providence, RI
Phone: 401 521-5980
Fax:
Email: shogan@louisberger.com

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Rose Hill Landfill
Project Location: South Kingstown, RI
Project #: CJI-1747
Project Manager: Chris Feeney
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: 8/2/12 Time:

Report Information

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Data Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program | Criteria

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC-8260	SVOCs-8270	Total Metals										Sample Specific Comments	TOTAL # BOTTLES
13182 . 1	MW-11S	7/24	8:51	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
1	MS (MW-11S)		8:51	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
1	MSD (MW-11S)		8:51	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
2	MW-11BR		10:26	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
3	MW-11DO		9:42	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
4	MW-6DO		11:26	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
5	Duplicate (MW-6DO)		11:26	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
6	MW-5S		12:02	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
7	Field Blank		12:15	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
8	Trip Blank	—	—	—	—	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
					Container Type	V	A	P	-	-	-	-	-	-	-	-	-		
					Preservative	B	A	C	-	-	-	-	-	-	-	-	-		

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	7/24/12 3:50	[illegible]	7/24/12 1:50
[illegible]	7/24/12 1725	T. Hendel	7/24/12 1730
T. Hendel	7/24/12 1900	[illegible]	7/24/12 1900

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 29-APR-09)

Serial_No:08021218:18

CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 7/24/12

ALPHA Job #: L1213182

Client Information

Client: Louis Berger Group
Address: 295 Promenade Street
Providence, RI
Phone: 401 521-5980
Fax:
Email: shogan@louisberger.com
☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Rose Hill Landfill
Project Location: South Kingstown, RI
Project #: CJI-1747
Project Manager: Chris Feeney
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)
Due Date: 8/2/12 Time:

Report Information / Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program | Criteria

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC-8260	SVOCs-8270	Total Metals										Sample Specific Comments	TOTAL # BOTTLES
13182 9	MW-13S	7/24	9:07	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
	~~MW-07BR~~			GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
	~~MW-07DO~~			GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
10	RES#11	7/24	1:35	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
11	Duplicate (Res #11)	↓	1:35	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
12	Res#10	↓	2:55	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		

Container Type	V	A	P	-	-	-	-	-	-	-	-	-
Preservative	B	A	C	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	7/24/12 3:55	[illegible]	7/24/12 1550
[illegible]	7/24/12 1720	T. Hendel	7/24/12 1720
T. Hendel	7/24/12 1900	[illegible]	7/24/12 1900

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 29-APR-05)

Serial_No:08021218:18

L1213182

CHAIN OF CUSTODY

PAGE 3 OF 2

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 7/24/12

ALPHA Job #: L1213182

Client Information

Client: Louis Berger Group
Address: 295 Promenade Street
Providence, RI
Phone: 401 521-5980
Fax:
Email: shogan@louisberger.com
☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Rose Hill Landfill
Project Location: South Kingstown, RI
Project #: CJI-1747
Project Manager: Chris Feeney
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: 8/2/12 Time:

Other Project Specific Requirements/Comments/Detection Limits:

Report Information

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program | Criteria

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Sulfide	NH3, TPhos	TCN	TOC	NO3	Dissolved Metals	Total Metals	Hardness					Sample Specific Comments	TOTAL # BOTTLES
13182-13	~~SW-[illegible]~~ SW-12	7/24	10:30	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		
14	SW-13	7/24	1:15	↓	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		
14	MS (SW-13)	7/24	1:15		SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		
14	MSD (SW-13)	7/24	1:15		SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
Container Type						P	P	P	V	P	P	P	P	-	-	-	-		
Preservative						K	D	E	D	A	A	C	C	-	-	-	-		

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	7/24/12 3:55	[illegible]	7/24/12 1550
[illegible]	7/24/12 1720	[illegible]	7/24/12 1720
[illegible]	7/24/12 1900	[illegible]	7/24/12 1900

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 29-APR-09)

Serial_No:08021218:18

ANALYTICAL REPORT

Lab Number:	L1213282
Client:	Louis A. Berger & Associates 295 Promenade Street Providence, RI 02908
ATTN:	Chris Feeney
Phone:	(401) 521-5980
Project Name:	ROSE HILL LANDIFLL
Project Number:	CJI-1747
Report Date:	08/03/12

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1213282-01	MW-4S	SOUTH KINGSTOWN, RI	07/25/12 09:46
L1213282-02	MW-4DO	SOUTH KINGSTOWN, RI	07/25/12 10:19
L1213282-03	MW-3BR	SOUTH KINGSTOWN, RI	07/25/12 11:18
L1213282-04	DUPLICATE (MW-3BR)	SOUTH KINGSTOWN, RI	07/25/12 11:18
L1213282-05	MW-3S	SOUTH KINGSTOWN, RI	07/25/12 11:51
L1213282-06	MW-12S	SOUTH KINGSTOWN, RI	07/25/12 12:41
L1213282-07	MW-12DO	SOUTH KINGSTOWN, RI	07/25/12 13:01
L1213282-08	FIELD BLANK	SOUTH KINGSTOWN, RI	07/25/12 00:00
L1213282-09	RES #12	SOUTH KINGSTOWN, RI	07/25/12 09:08
L1213282-10	MW-07-BR	SOUTH KINGSTOWN, RI	07/25/12 13:28
L1213282-11	SW-09	SOUTH KINGSTOWN, RI	07/25/12 10:15
L1213282-12	DUP (SW-09)	SOUTH KINGSTOWN, RI	07/25/12 10:15
L1213282-13	SW-17	SOUTH KINGSTOWN, RI	07/25/12 11:30
L1213282-14	SW-04	SOUTH KINGSTOWN, RI	07/25/12 13:05
L1213282-15	SW-2	SOUTH KINGSTOWN, RI	07/25/12 08:38
L1213282-16	SW-1	SOUTH KINGSTOWN, RI	07/25/12 09:00
L1213282-17	SW-06	SOUTH KINGSTOWN, RI	07/25/12 14:04
L1213282-18	FIELD BLANK	SOUTH KINGSTOWN, RI	07/25/12 08:40

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282
Project Number: CJI-1747 **Report Date:** 08/03/12

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282
Project Number: CJI-1747 **Report Date:** 08/03/12

Case Narrative (continued)

Volatile Organics

The WG552463-4/-5 MS/MSD recoveries, performed on L1213282-02, were outside the acceptance criteria for 1,2-Dichloroethane (138%/131%) and Bromomethane (MS at 38%).

The WG552463-4/-5 MS/MSD RPD, performed on L1213282-02, is above the acceptance criteria for Bromomethane (31%).

Semivolatile Organics

L1213282-01 through -10 and the associated Method Blanks were evaluated for the presence of N,N-Dimethylformamide as a TIC and were determined to be non-detect.

The WG550931-5 MSD recoveries, performed on L1213282-02, were above the acceptance criteria for 2,4-Dinitrotoluene (98%) and P-Chloro-M-Cresol (100%); however, the associated LCS/LCSD recoveries were within criteria.

The WG550931-4/-5 MS/MSD RPDs, performed on L1213282-02, are above the acceptance criteria for Acenaphthene (33%), 1,2,4-Trichlorobenzene (51%), 1,4-Dichlorobenzene (42%), 2-Chlorophenol (33%), 4-Nitrophenol (70%) and Phenol (64%).

Semivolatile Organics - SIM

The surrogate recoveries for the WG550930-4/-5 MS/MSD, performed on L1213282-02, are above the acceptance criteria for 4-Terphenyl-d14 (155%/173%). The associated MS/MSD spike compounds are within overall acceptance criteria, therefore, no further action was taken.

Total Metals

The WG551037-3/-4 MS/MSD recoveries, performed on L1213282-02, are below the acceptance criteria for Iron (0%/60%). A post digestion spike was performed with an acceptable recovery of 84%.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 08/03/12

ORGANICS

VOLATILES

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-01	Date Collected:	07/25/12 09:46
Client ID:	MW-4S	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/31/12 14:27		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID: L1213282-01 Date Collected: 07/25/12 09:46

Client ID: MW-4S Date Received: 07/25/12

Sample Location: SOUTH KINGSTOWN, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-01	Date Collected:	07/25/12 09:46
Client ID:	MW-4S	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	126		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	108		70-130

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-02	Date Collected:	07/25/12 10:19
Client ID:	MW-4DO	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	08/01/12 10:24		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	1.4		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	7.5		ug/l	1.0	--	1
Chloroethane	2.1		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID: L1213282-02 Date Collected: 07/25/12 10:19

Client ID: MW-4DO Date Received: 07/25/12

Sample Location: SOUTH KINGSTOWN, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	4.5		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-02	Date Collected:	07/25/12 10:19
Client ID:	MW-4DO	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	129		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	108		70-130

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-03	Date Collected:	07/25/12 11:18
Client ID:	MW-3BR	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/31/12 15:02		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID: L1213282-03 Date Collected: 07/25/12 11:18

Client ID: MW-3BR Date Received: 07/25/12

Sample Location: SOUTH KINGSTOWN, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-03	Date Collected:	07/25/12 11:18
Client ID:	MW-3BR	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	105		70-130

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-04	Date Collected:	07/25/12 11:18
Client ID:	DUPLICATE (MW-3BR)	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/31/12 15:36		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID: L1213282-04 Date Collected: 07/25/12 11:18

Client ID: DUPLICATE (MW-3BR) Date Received: 07/25/12

Sample Location: SOUTH KINGSTOWN, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-04	Date Collected:	07/25/12 11:18
Client ID:	DUPLICATE (MW-3BR)	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	126		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	107		70-130

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-05	Date Collected:	07/25/12 11:51
Client ID:	MW-3S	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/31/12 16:10		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID: L1213282-05 Date Collected: 07/25/12 11:51

Client ID: MW-3S Date Received: 07/25/12

Sample Location: SOUTH KINGSTOWN, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-05	Date Collected:	07/25/12 11:51
Client ID:	MW-3S	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	126		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	107		70-130

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-06	Date Collected:	07/25/12 12:41
Client ID:	MW-12S	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/31/12 16:45		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	1.2		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID: L1213282-06 Date Collected: 07/25/12 12:41

Client ID: MW-12S Date Received: 07/25/12

Sample Location: SOUTH KINGSTOWN, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-06	Date Collected:	07/25/12 12:41
Client ID:	MW-12S	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	107		70-130

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-07	Date Collected:	07/25/12 13:01
Client ID:	MW-12DO	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/31/12 17:20		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID: L1213282-07 Date Collected: 07/25/12 13:01

Client ID: MW-12DO Date Received: 07/25/12

Sample Location: SOUTH KINGSTOWN, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-07	Date Collected:	07/25/12 13:01
Client ID:	MW-12DO	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	126		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	107		70-130

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-08	Date Collected:	07/25/12 00:00
Client ID:	FIELD BLANK	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/31/12 17:54		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID: L1213282-08 Date Collected: 07/25/12 00:00

Client ID: FIELD BLANK Date Received: 07/25/12

Sample Location: SOUTH KINGSTOWN, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-08	Date Collected:	07/25/12 00:00
Client ID:	FIELD BLANK	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	129		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	108		70-130

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-09	Date Collected:	07/25/12 09:08
Client ID:	RES #12	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/31/12 18:28		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID: L1213282-09 Date Collected: 07/25/12 09:08

Client ID: RES #12 Date Received: 07/25/12

Sample Location: SOUTH KINGSTOWN, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-09	Date Collected:	07/25/12 09:08
Client ID:	RES #12	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	108		70-130

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-10	Date Collected:	07/25/12 13:28
Client ID:	MW-07-BR	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	08/01/12 10:59		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	2.2		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID: L1213282-10 Date Collected: 07/25/12 13:28

Client ID: MW-07-BR Date Received: 07/25/12

Sample Location: SOUTH KINGSTOWN, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	0.51		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	2.5		ug/l	2.5	--	1

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-10	Date Collected:	07/25/12 13:28
Client ID:	MW-07-BR	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	127		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	108		70-130

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 07/31/12 09:52
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-09 Batch: WG552178-3					
Methylene chloride	ND		ug/l	3.0	--
1,1-Dichloroethane	ND		ug/l	0.75	--
Chloroform	ND		ug/l	0.75	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.8	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	0.75	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	0.50	--
Trichlorofluoromethane	ND		ug/l	2.5	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.5	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	0.75	--
Ethylbenzene	ND		ug/l	0.50	--
Chloromethane	ND		ug/l	2.5	--
Bromomethane	ND		ug/l	1.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	1.0	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	0.75	--
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--
1,4-Dichlorobenzene	ND		ug/l	2.5	--

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 07/31/12 09:52
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-09 Batch: WG552178-3					
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	5.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.5	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.5	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.50	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	2.5	--
n-Propylbenzene	ND		ug/l	0.50	--

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 07/31/12 09:52
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-09 Batch: WG552178-3					
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
Ethyl ether	ND		ug/l	2.5	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	106		70-130

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 08/01/12 09:49
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,10 Batch: WG552463-3					
Methylene chloride	ND		ug/l	3.0	--
1,1-Dichloroethane	ND		ug/l	0.75	--
Chloroform	ND		ug/l	0.75	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.8	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	0.75	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	0.50	--
Trichlorofluoromethane	ND		ug/l	2.5	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.5	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	0.75	--
Ethylbenzene	ND		ug/l	0.50	--
Chloromethane	ND		ug/l	2.5	--
Bromomethane	ND		ug/l	1.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	1.0	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	0.75	--
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--
1,4-Dichlorobenzene	ND		ug/l	2.5	--

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 08/01/12 09:49
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,10 Batch: WG552463-3					
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	5.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.5	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.5	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.50	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	2.5	--
n-Propylbenzene	ND		ug/l	0.50	--

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 08/01/12 09:49
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,10 Batch: WG552463-3					
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
Ethyl ether	ND		ug/l	2.5	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	126		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	106		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-09 Batch: WG552178-1 WG552178-2								
Methylene chloride	100		97		70-130	3		20
1,1-Dichloroethane	106		103		70-130	3		20
Chloroform	112		108		70-130	4		20
Carbon tetrachloride	115		110		63-132	4		20
1,2-Dichloropropane	99		96		70-130	3		20
Dibromochloromethane	101		100		63-130	1		20
1,1,2-Trichloroethane	98		103		70-130	5		20
Tetrachloroethene	101		101		70-130	0		20
Chlorobenzene	103		101		75-130	2		25
Trichlorofluoromethane	122		116		62-150	5		20
1,2-Dichloroethane	121		119		70-130	2		20
1,1,1-Trichloroethane	116		112		67-130	4		20
Bromodichloromethane	114		111		67-130	3		20
trans-1,3-Dichloropropene	90		92		70-130	2		20
cis-1,3-Dichloropropene	97		96		70-130	1		20
1,1-Dichloropropene	107		100		70-130	7		20
Bromoform	107		117		54-136	9		20
1,1,2,2-Tetrachloroethane	107		114		67-130	6		20
Benzene	99		96		70-130	3		25
Toluene	100		98		70-130	2		25
Ethylbenzene	106		98		70-130	8		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-09 Batch: WG552178-1 WG552178-2								
Chloromethane	95		94		64-130	1		20
Bromomethane	68		62		39-139	9		20
Vinyl chloride	116		110		55-140	5		20
Chloroethane	106		98		55-138	8		20
1,1-Dichloroethene	99		95		61-145	4		25
trans-1,2-Dichloroethene	100		96		70-130	4		20
Trichloroethene	102		101		70-130	1		25
1,2-Dichlorobenzene	100		99		70-130	1		20
1,3-Dichlorobenzene	101		101		70-130	0		20
1,4-Dichlorobenzene	100		98		70-130	2		20
Methyl tert butyl ether	97		98		63-130	1		20
p/m-Xylene	101		92		70-130	9		20
o-Xylene	100		93		70-130	7		20
cis-1,2-Dichloroethene	102		98		70-130	4		20
Dibromomethane	105		107		70-130	2		20
1,2,3-Trichloropropane	106		119		64-130	12		20
Styrene	100		92		70-130	8		20
Dichlorodifluoromethane	99		93		36-147	6		20
Acetone	94		101		58-148	7		20
Carbon disulfide	100		92		51-130	8		20
2-Butanone	101		107		63-138	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-09 Batch: WG552178-1 WG552178-2								
4-Methyl-2-pentanone	85		89		59-130	5		20
2-Hexanone	96		106		57-130	10		20
Bromochloromethane	103		101		70-130	2		20
Tetrahydrofuran	89		95		58-130	7		20
2,2-Dichloropropane	102		99		63-133	3		20
1,2-Dibromoethane	100		103		70-130	3		20
1,3-Dichloropropane	100		101		70-130	1		20
1,1,1,2-Tetrachloroethane	110		108		64-130	2		20
Bromobenzene	106		108		70-130	2		20
n-Butylbenzene	109		102		53-136	7		20
sec-Butylbenzene	107		102		70-130	5		20
tert-Butylbenzene	109		104		70-130	5		20
o-Chlorotoluene	109		108		70-130	1		20
p-Chlorotoluene	106		104		70-130	2		20
1,2-Dibromo-3-chloropropane	97		105		41-144	8		20
Hexachlorobutadiene	113		107		63-130	5		20
Isopropylbenzene	110		108		70-130	2		20
p-Isopropyltoluene	107		104		70-130	3		20
Naphthalene	86		86		70-130	0		20
n-Propylbenzene	104		102		69-130	2		20
1,2,3-Trichlorobenzene	98		99		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-09 Batch: WG552178-1 WG552178-2								
1,2,4-Trichlorobenzene	96		91		70-130	5		20
1,3,5-Trimethylbenzene	110		107		64-130	3		20
1,2,4-Trimethylbenzene	105		103		70-130	2		20
Ethyl ether	94		95		59-134	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	123		123		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	110		110		70-130
Dibromofluoromethane	110		109		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,10 Batch: WG552463-1 WG552463-2								
Methylene chloride	98		96		70-130	2		20
1,1-Dichloroethane	107		104		70-130	3		20
Chloroform	115		111		70-130	4		20
Carbon tetrachloride	119		115		63-132	3		20
1,2-Dichloropropane	98		98		70-130	0		20
Dibromochloromethane	103		102		63-130	1		20
1,1,2-Trichloroethane	101		101		70-130	0		20
Tetrachloroethene	104		102		70-130	2		20
Chlorobenzene	104		100		75-130	4		25
Trichlorofluoromethane	128		125		62-150	2		20
1,2-Dichloroethane	124		124		70-130	0		20
1,1,1-Trichloroethane	121		117		67-130	3		20
Bromodichloromethane	118		114		67-130	3		20
trans-1,3-Dichloropropene	93		92		70-130	1		20
cis-1,3-Dichloropropene	98		97		70-130	1		20
1,1-Dichloropropene	109		106		70-130	3		20
Bromoform	100		113		54-136	12		20
1,1,2,2-Tetrachloroethane	100		111		67-130	10		20
Benzene	100		97		70-130	3		25
Toluene	99		97		70-130	2		25
Ethylbenzene	107		103		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,10 Batch: WG552463-1 WG552463-2								
Chloromethane	96		91		64-130	5		20
Bromomethane	78		74		39-139	5		20
Vinyl chloride	118		111		55-140	6		20
Chloroethane	105		100		55-138	5		20
1,1-Dichloroethene	100		98		61-145	2		25
trans-1,2-Dichloroethene	101		97		70-130	4		20
Trichloroethene	104		103		70-130	1		25
1,2-Dichlorobenzene	102		101		70-130	1		20
1,3-Dichlorobenzene	103		100		70-130	3		20
1,4-Dichlorobenzene	102		100		70-130	2		20
Methyl tert butyl ether	100		101		63-130	1		20
p/m-Xylene	108		98		70-130	10		20
o-Xylene	108		99		70-130	9		20
cis-1,2-Dichloroethene	103		97		70-130	6		20
Dibromomethane	112		108		70-130	4		20
1,2,3-Trichloropropane	101		115		64-130	13		20
Styrene	107		98		70-130	9		20
Dichlorodifluoromethane	107		101		36-147	6		20
Acetone	104		110		58-148	6		20
Carbon disulfide	103		94		51-130	9		20
2-Butanone	104		109		63-138	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,10 Batch: WG552463-1 WG552463-2								
4-Methyl-2-pentanone	90		94		59-130	4		20
2-Hexanone	101		108		57-130	7		20
Bromochloromethane	101		99		70-130	2		20
Tetrahydrofuran	90		96		58-130	6		20
2,2-Dichloropropane	105		101		63-133	4		20
1,2-Dibromoethane	105		104		70-130	1		20
1,3-Dichloropropane	102		102		70-130	0		20
1,1,1,2-Tetrachloroethane	111		108		64-130	3		20
Bromobenzene	101		107		70-130	6		20
n-Butylbenzene	114		109		53-136	4		20
sec-Butylbenzene	109		105		70-130	4		20
tert-Butylbenzene	109		108		70-130	1		20
o-Chlorotoluene	108		106		70-130	2		20
p-Chlorotoluene	108		106		70-130	2		20
1,2-Dibromo-3-chloropropane	95		110		41-144	15		20
Hexachlorobutadiene	113		112		63-130	1		20
Isopropylbenzene	106		108		70-130	2		20
p-Isopropyltoluene	111		107		70-130	4		20
Naphthalene	89		103		70-130	15		20
n-Propylbenzene	106		104		69-130	2		20
1,2,3-Trichlorobenzene	102		108		70-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROSE HILL LANDIFLL

Project Number: CJI-1747

Lab Number: L1213282

Report Date: 08/03/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,10 Batch: WG552463-1 WG552463-2								
1,2,4-Trichlorobenzene	99		102		70-130	3		20
1,3,5-Trimethylbenzene	112		110		64-130	2		20
1,2,4-Trimethylbenzene	110		108		70-130	2		20
Ethyl ether	99		97		59-134	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	126		128		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	103		112		70-130
Dibromofluoromethane	113		113		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,10 QC Batch ID: WG552463-4 WG552463-5 QC Sample: L1213282-02 Client ID: MW-4DO												
Methylene chloride	ND	10	11	110		10	102		70-130	10		20
1,1-Dichloroethane	1.4	10	13	119		13	112		70-130	0		20
Chloroform	ND	10	12	123		12	118		70-130	0		20
Carbon tetrachloride	ND	10	12	122		12	116		63-132	0		20
1,2-Dichloropropane	ND	10	11	111		10	106		70-130	10		20
Dibromochloromethane	ND	10	11	108		10	105		63-130	10		20
1,1,2-Trichloroethane	ND	10	12	116		11	112		70-130	9		20
Tetrachloroethene	ND	10	11	109		10	102		70-130	10		20
Chlorobenzene	ND	10	11	113		11	107		75-130	0		25
Trichlorofluoromethane	ND	10	14	136		12	126		62-150	15		20
1,2-Dichloroethane	ND	10	14	**138**	Q	13	**131**	Q	70-130	7		20
1,1,1-Trichloroethane	ND	10	13	128		12	120		67-130	8		20
Bromodichloromethane	ND	10	12	123		12	119		67-130	0		20
trans-1,3-Dichloropropene	ND	10	9.8	98		9.6	96		70-130	2		20
cis-1,3-Dichloropropene	ND	10	10	101		10	100		70-130	0		20
1,1-Dichloropropene	ND	10	12	117		11	110		70-130	9		20
Bromoform	ND	10	11	109		11	112		54-136	0		20
1,1,2,2-Tetrachloroethane	ND	10	12	116		12	120		67-130	0		20
Benzene	ND	10	11	114		11	107		70-130	0		25
Toluene	ND	10	11	107		10	102		70-130	10		25
Ethylbenzene	ND	10	11	112		10	106		70-130	10		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,10 QC Batch ID: WG552463-4 WG552463-5 QC Sample: L1213282-02 Client ID: MW-4DO												
Chloromethane	ND	10	9.7	97		8.5	85		64-130	13		20
Bromomethane	ND	10	3.8	**38**	Q	5.2	52		39-139	**31**	Q	20
Vinyl chloride	7.5	10	20	121		18	110		55-140	11		20
Chloroethane	2.1	10	14	117		13	108		55-138	7		20
1,1-Dichloroethene	ND	10	11	110		10	105		61-145	10		25
trans-1,2-Dichloroethene	ND	10	11	111		11	105		70-130	0		20
Trichloroethene	ND	10	11	115		11	108		70-130	0		25
1,2-Dichlorobenzene	ND	10	11	109		10	104		70-130	10		20
1,3-Dichlorobenzene	ND	10	10	106		10	102		70-130	0		20
1,4-Dichlorobenzene	ND	10	11	106		10	101		70-130	10		20
Methyl tert butyl ether	ND	10	12	119		12	116		63-130	0		20
p/m-Xylene	ND	20	22	111		20	102		70-130	10		20
o-Xylene	ND	20	22	111		21	103		70-130	5		20
cis-1,2-Dichloroethene	4.5	10	16	111		15	106		70-130	6		20
Dibromomethane	ND	10	12	124		12	119		70-130	0		20
1,2,3-Trichloropropane	ND	10	12	121		12	125		64-130	0		20
Styrene	ND	20	22	111		21	104		70-130	5		20
Dichlorodifluoromethane	ND	10	10	104		9.6	96		36-147	4		20
Acetone	ND	10	11	108		11	106		58-148	0		20
Carbon disulfide	ND	10	11	107		10	102		51-130	10		20
2-Butanone	ND	10	12	118		11	113		63-138	9		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,10 QC Batch ID: WG552463-4 WG552463-5 QC Sample: L1213282-02 Client ID: MW-4DO												
4-Methyl-2-pentanone	ND	10	11	113		11	110		59-130	0		20
2-Hexanone	ND	10	12	121		12	119		57-130	0		20
Bromochloromethane	ND	10	12	117		11	113		70-130	9		20
Tetrahydrofuran	ND	10	12	126		12	121		58-130	0		20
2,2-Dichloropropane	ND	10	9.0	90		8.4	84		63-133	7		20
1,2-Dibromoethane	ND	10	11	114		11	114		70-130	0		20
1,3-Dichloropropane	ND	10	11	113		11	111		70-130	0		20
1,1,1,2-Tetrachloroethane	ND	10	12	116		11	111		64-130	9		20
Bromobenzene	ND	10	11	109		11	110		70-130	0		20
n-Butylbenzene	ND	10	11	111		10	102		53-136	10		20
sec-Butylbenzene	ND	10	11	107		10	103		70-130	10		20
tert-Butylbenzene	ND	10	11	109		10	104		70-130	10		20
o-Chlorotoluene	ND	10	11	112		11	107		70-130	0		20
p-Chlorotoluene	ND	10	11	111		10	105		70-130	10		20
1,2-Dibromo-3-chloropropane	ND	10	11	113		12	118		41-144	9		20
Hexachlorobutadiene	ND	10	11	107		11	107		63-130	0		20
Isopropylbenzene	ND	10	11	112		11	107		70-130	0		20
p-Isopropyltoluene	ND	10	11	111		10	104		70-130	10		20
Naphthalene	ND	10	12	118		12	116		70-130	0		20
n-Propylbenzene	ND	10	11	107		10	101		69-130	10		20
1,2,3-Trichlorobenzene	ND	10	12	120		12	115		70-130	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747
Lab Number: L1213282
Report Date: 08/03/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,10 QC Batch ID: WG552463-4 WG552463-5 QC Sample: L1213282-02 Client ID: MW-4DO												
1,2,4-Trichlorobenzene	ND	10	11	111		10	103		70-130	10		20
1,3,5-Trimethylbenzene	ND	10	12	116		11	108		64-130	9		20
1,2,4-Trimethylbenzene	ND	10	11	114		10	105		70-130	10		20
Ethyl ether	ND	10	12	118		12	115		59-134	0		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		127		70-130
4-Bromofluorobenzene	106		107		70-130
Dibromofluoromethane	109		108		70-130
Toluene-d8	101		100		70-130

SEMIVOLATILES

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-01	Date Collected:	07/25/12 09:46
Client ID:	MW-4S	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/26/12 02:12
Analytical Date:	07/26/12 20:19		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Chrysene	ND		ug/l	2.0	--	1

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-01	Date Collected:	07/25/12 09:46
Client ID:	MW-4S	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	100		10-120
4-Terphenyl-d14	91		41-149

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-01	Date Collected:	07/25/12 09:46
Client ID:	MW-4S	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/26/12 02:07
Analytical Date:	07/26/12 21:00		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	99		10-120
4-Terphenyl-d14	103		41-149

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-02	Date Collected:	07/25/12 10:19
Client ID:	MW-4DO	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/26/12 02:12
Analytical Date:	07/26/12 20:46		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Chrysene	ND		ug/l	2.0	--	1

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID: L1213282-02 Date Collected: 07/25/12 10:19

Client ID: MW-4DO Date Received: 07/25/12

Sample Location: SOUTH KINGSTOWN, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	31		21-120
Phenol-d6	19		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	92		10-120
4-Terphenyl-d14	82		41-149

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-02	Date Collected:	07/25/12 10:19
Client ID:	MW-4DO	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/26/12 02:07
Analytical Date:	07/26/12 21:23		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	28		21-120
Phenol-d6	19		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	95		10-120
4-Terphenyl-d14	89		41-149

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-03	Date Collected:	07/25/12 11:18
Client ID:	MW-3BR	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/26/12 02:12
Analytical Date:	07/26/12 21:13		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Chrysene	ND		ug/l	2.0	--	1

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID: L1213282-03 Date Collected: 07/25/12 11:18

Client ID: MW-3BR Date Received: 07/25/12

Sample Location: SOUTH KINGSTOWN, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		21-120
Phenol-d6	20		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	96		10-120
4-Terphenyl-d14	87		41-149

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-03	Date Collected:	07/25/12 11:18
Client ID:	MW-3BR	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/26/12 02:07
Analytical Date:	07/26/12 21:45		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	32		21-120
Phenol-d6	22		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	92		10-120
4-Terphenyl-d14	92		41-149

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-04	Date Collected:	07/25/12 11:18
Client ID:	DUPLICATE (MW-3BR)	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/26/12 02:12
Analytical Date:	07/26/12 21:41		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Chrysene	ND		ug/l	2.0	--	1

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID: L1213282-04 Date Collected: 07/25/12 11:18

Client ID: DUPLICATE (MW-3BR) Date Received: 07/25/12

Sample Location: SOUTH KINGSTOWN, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	60		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	79		41-149

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-04	Date Collected:	07/25/12 11:18
Client ID:	DUPLICATE (MW-3BR)	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/26/12 02:07
Analytical Date:	07/26/12 22:08		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	91		10-120
4-Terphenyl-d14	92		41-149

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-05	Date Collected:	07/25/12 11:51
Client ID:	MW-3S	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/26/12 02:12
Analytical Date:	07/26/12 22:08		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Chrysene	ND		ug/l	2.0	--	1

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-05	Date Collected:	07/25/12 11:51
Client ID:	MW-3S	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	97		10-120
4-Terphenyl-d14	89		41-149

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-05	Date Collected:	07/25/12 11:51
Client ID:	MW-3S	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/26/12 02:07
Analytical Date:	07/26/12 22:30		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	93		10-120
4-Terphenyl-d14	100		41-149

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-06	Date Collected:	07/25/12 12:41
Client ID:	MW-12S	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/26/12 02:15
Analytical Date:	07/26/12 22:36		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Chrysene	ND		ug/l	2.0	--	1

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID: L1213282-06 Date Collected: 07/25/12 12:41

Client ID: MW-12S Date Received: 07/25/12

Sample Location: SOUTH KINGSTOWN, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	92		10-120
4-Terphenyl-d14	86		41-149

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-06	Date Collected:	07/25/12 12:41
Client ID:	MW-12S	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/26/12 02:07
Analytical Date:	07/26/12 22:53		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		21-120
Phenol-d6	41		10-120
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	105		10-120
4-Terphenyl-d14	108		41-149

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-07	Date Collected:	07/25/12 13:01
Client ID:	MW-12DO	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/27/12 11:19
Analytical Date:	08/01/12 16:38		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.1	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.1	--	1
2,4-Dinitrotoluene	ND		ug/l	5.1	--	1
2,6-Dinitrotoluene	ND		ug/l	5.1	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.1	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.1	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.1	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.1	--	1
Butyl benzyl phthalate	ND		ug/l	5.1	--	1
Di-n-butylphthalate	ND		ug/l	5.1	--	1
Di-n-octylphthalate	ND		ug/l	5.1	--	1
Diethyl phthalate	ND		ug/l	5.1	--	1
Dimethyl phthalate	ND		ug/l	5.1	--	1
Chrysene	ND		ug/l	2.0	--	1

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID: L1213282-07 Date Collected: 07/25/12 13:01

Client ID: MW-12DO Date Received: 07/25/12

Sample Location: SOUTH KINGSTOWN, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.1	--	1
2-Nitroaniline	ND		ug/l	5.1	--	1
3-Nitroaniline	ND		ug/l	5.1	--	1
4-Nitroaniline	ND		ug/l	5.1	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.1	--	1
P-Chloro-M-Cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.1	--	1
2,4-Dimethylphenol	ND		ug/l	5.1	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.1	--	1
2-Methylphenol	ND		ug/l	5.1	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.1	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.1	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	85		41-149

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-07	Date Collected:	07/25/12 13:01
Client ID:	MW-12DO	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/27/12 11:22
Analytical Date:	07/31/12 10:28		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.51	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.82	--	1
Hexachlorobenzene	ND		ug/l	0.82	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	92		41-149

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-08	Date Collected:	07/25/12 00:00
Client ID:	FIELD BLANK	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/26/12 02:12
Analytical Date:	07/26/12 23:31		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Chrysene	ND		ug/l	2.0	--	1

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID: L1213282-08 Date Collected: 07/25/12 00:00

Client ID: FIELD BLANK Date Received: 07/25/12

Sample Location: SOUTH KINGSTOWN, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	83		10-120
4-Terphenyl-d14	74		41-149

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-08	Date Collected:	07/25/12 00:00
Client ID:	FIELD BLANK	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/26/12 02:07
Analytical Date:	07/26/12 23:38		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	89		10-120
4-Terphenyl-d14	90		41-149

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-09	Date Collected:	07/25/12 09:08
Client ID:	RES #12	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/26/12 02:12
Analytical Date:	07/30/12 23:12		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Chrysene	ND		ug/l	2.0	--	1

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-09	Date Collected:	07/25/12 09:08
Client ID:	RES #12	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	81		41-149

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-09	Date Collected:	07/25/12 09:08
Client ID:	RES #12	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/26/12 02:07
Analytical Date:	07/27/12 00:00		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	83		41-149

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-10	Date Collected:	07/25/12 13:28
Client ID:	MW-07-BR	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/26/12 02:12
Analytical Date:	07/30/12 23:35		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Chrysene	ND		ug/l	2.0	--	1

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID: L1213282-10 Date Collected: 07/25/12 13:28

Client ID: MW-07-BR Date Received: 07/25/12

Sample Location: SOUTH KINGSTOWN, RI Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	104		10-120
4-Terphenyl-d14	92		41-149

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-10	Date Collected:	07/25/12 13:28
Client ID:	MW-07-BR	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/26/12 02:07
Analytical Date:	07/27/12 00:22		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	94		10-120
4-Terphenyl-d14	102		41-149

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C-SIM
Analytical Date: 07/26/12 15:47
Analyst: AS

Extraction Method: EPA 3510C
Extraction Date: 07/26/12 02:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-06,08-10 Batch: WG550930-1					
Hexachlorobutadiene	ND		ug/l	0.50	--
Benzo(a)anthracene	ND		ug/l	0.20	--
Benzo(a)pyrene	ND		ug/l	0.20	--
Benzo(b)fluoranthene	ND		ug/l	0.20	--
Benzo(k)fluoranthene	ND		ug/l	0.20	--
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--
Pentachlorophenol	ND		ug/l	0.80	--
Hexachlorobenzene	ND		ug/l	0.80	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	80		10-120
4-Terphenyl-d14	96		41-149

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 07/26/12 18:02
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 07/26/12 02:12

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06,08-10 Batch: WG550931-1					
Acenaphthene	ND		ug/l	2.0	--
Benzidine	ND		ug/l	20	--
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--
2-Chloronaphthalene	ND		ug/l	2.0	--
1,2-Dichlorobenzene	ND		ug/l	2.0	--
1,3-Dichlorobenzene	ND		ug/l	2.0	--
1,4-Dichlorobenzene	ND		ug/l	2.0	--
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--
2,4-Dinitrotoluene	ND		ug/l	5.0	--
2,6-Dinitrotoluene	ND		ug/l	5.0	--
Azobenzene	ND		ug/l	2.0	--
Fluoranthene	ND		ug/l	2.0	--
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--
Hexachlorocyclopentadiene	ND		ug/l	20	--
Hexachloroethane	ND		ug/l	2.0	--
Isophorone	ND		ug/l	5.0	--
Naphthalene	ND		ug/l	2.0	--
Nitrobenzene	ND		ug/l	2.0	--
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--
Butyl benzyl phthalate	ND		ug/l	5.0	--
Di-n-butylphthalate	ND		ug/l	5.0	--
Di-n-octylphthalate	ND		ug/l	5.0	--
Diethyl phthalate	ND		ug/l	5.0	--
Dimethyl phthalate	ND		ug/l	5.0	--

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 07/26/12 18:02
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 07/26/12 02:12

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06,08-10 Batch: WG550931-1					
Chrysene	ND		ug/l	2.0	--
Acenaphthylene	ND		ug/l	2.0	--
Anthracene	ND		ug/l	2.0	--
Benzo(ghi)perylene	ND		ug/l	2.0	--
Fluorene	ND		ug/l	2.0	--
Phenanthrene	ND		ug/l	2.0	--
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--
Pyrene	ND		ug/l	2.0	--
Aniline	ND		ug/l	2.0	--
4-Chloroaniline	ND		ug/l	5.0	--
2-Nitroaniline	ND		ug/l	5.0	--
3-Nitroaniline	ND		ug/l	5.0	--
4-Nitroaniline	ND		ug/l	5.0	--
Dibenzofuran	ND		ug/l	2.0	--
2-Methylnaphthalene	ND		ug/l	2.0	--
n-Nitrosodimethylamine	ND		ug/l	2.0	--
2,4,6-Trichlorophenol	ND		ug/l	5.0	--
P-Chloro-M-Cresol	ND		ug/l	2.0	--
2-Chlorophenol	ND		ug/l	2.0	--
2,4-Dichlorophenol	ND		ug/l	5.0	--
2,4-Dimethylphenol	ND		ug/l	5.0	--
2-Nitrophenol	ND		ug/l	10	--
4-Nitrophenol	ND		ug/l	10	--
2,4-Dinitrophenol	ND		ug/l	20	--
4,6-Dinitro-o-cresol	ND		ug/l	10	--
Phenol	ND		ug/l	5.0	--
2-Methylphenol	ND		ug/l	5.0	--
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--
2,4,5-Trichlorophenol	ND		ug/l	5.0	--
Benzyl Alcohol	ND		ug/l	2.0	--

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 07/26/12 18:02
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 07/26/12 02:12

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06,08-10 Batch: WG550931-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	103		10-120
4-Terphenyl-d14	93		41-149

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 08/01/12 15:28
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 07/27/12 11:19

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG551325-1					
Acenaphthene	ND		ug/l	2.0	--
Benzidine	ND		ug/l	20	--
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--
2-Chloronaphthalene	ND		ug/l	2.0	--
1,2-Dichlorobenzene	ND		ug/l	2.0	--
1,3-Dichlorobenzene	ND		ug/l	2.0	--
1,4-Dichlorobenzene	ND		ug/l	2.0	--
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--
2,4-Dinitrotoluene	ND		ug/l	5.0	--
2,6-Dinitrotoluene	ND		ug/l	5.0	--
Azobenzene	ND		ug/l	2.0	--
Fluoranthene	ND		ug/l	2.0	--
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--
Hexachlorocyclopentadiene	ND		ug/l	20	--
Hexachloroethane	ND		ug/l	2.0	--
Isophorone	ND		ug/l	5.0	--
Naphthalene	ND		ug/l	2.0	--
Nitrobenzene	ND		ug/l	2.0	--
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	--
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--
Butyl benzyl phthalate	ND		ug/l	5.0	--
Di-n-butylphthalate	ND		ug/l	5.0	--
Di-n-octylphthalate	ND		ug/l	5.0	--
Diethyl phthalate	ND		ug/l	5.0	--
Dimethyl phthalate	ND		ug/l	5.0	--
Chrysene	ND		ug/l	2.0	--

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 08/01/12 15:28
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 07/27/12 11:19

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG551325-1					
Acenaphthylene	ND		ug/l	2.0	--
Anthracene	ND		ug/l	2.0	--
Benzo(ghi)perylene	ND		ug/l	2.0	--
Fluorene	ND		ug/l	2.0	--
Phenanthrene	ND		ug/l	2.0	--
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--
Pyrene	ND		ug/l	2.0	--
Aniline	ND		ug/l	2.0	--
4-Chloroaniline	ND		ug/l	5.0	--
2-Nitroaniline	ND		ug/l	5.0	--
3-Nitroaniline	ND		ug/l	5.0	--
4-Nitroaniline	ND		ug/l	5.0	--
Dibenzofuran	ND		ug/l	2.0	--
2-Methylnaphthalene	ND		ug/l	2.0	--
n-Nitrosodimethylamine	ND		ug/l	2.0	--
2,4,6-Trichlorophenol	ND		ug/l	5.0	--
P-Chloro-M-Cresol	ND		ug/l	2.0	--
2-Chlorophenol	ND		ug/l	2.0	--
2,4-Dichlorophenol	ND		ug/l	5.0	--
2,4-Dimethylphenol	ND		ug/l	5.0	--
2-Nitrophenol	ND		ug/l	10	--
4-Nitrophenol	ND		ug/l	10	--
2,4-Dinitrophenol	ND		ug/l	20	--
4,6-Dinitro-o-cresol	ND		ug/l	10	--
Phenol	ND		ug/l	5.0	--
2-Methylphenol	ND		ug/l	5.0	--
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--
2,4,5-Trichlorophenol	ND		ug/l	5.0	--
Benzyl Alcohol	ND		ug/l	2.0	--

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 08/01/12 15:28
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 07/27/12 11:19

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG551325-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	91		15-120
2,4,6-Tribromophenol	108		10-120
4-Terphenyl-d14	99		41-149

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C-SIM
Analytical Date: 07/30/12 15:14
Analyst: AS

Extraction Method: EPA 3510C
Extraction Date: 07/27/12 11:22

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 07 Batch: WG551327-1					
Hexachlorobutadiene	ND		ug/l	0.50	--
Benzo(a)anthracene	ND		ug/l	0.20	--
Benzo(a)pyrene	ND		ug/l	0.20	--
Benzo(b)fluoranthene	ND		ug/l	0.20	--
Benzo(k)fluoranthene	ND		ug/l	0.20	--
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--
Pentachlorophenol	ND		ug/l	0.80	--
Hexachlorobenzene	ND		ug/l	0.80	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	71		10-120
4-Terphenyl-d14	94		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROSE HILL LANDIFLL

Project Number: CJI-1747

Lab Number: L1213282

Report Date: 08/03/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-06,08-10 Batch: WG550930-2 WG550930-3								
Pentachlorophenol	62		62		9-103	0		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	69		45		21-120
Phenol-d6	45		27		10-120
Nitrobenzene-d5	106		103		23-120
2-Fluorobiphenyl	86		85		15-120
2,4,6-Tribromophenol	91		87		10-120
4-Terphenyl-d14	105		101		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06,08-10 Batch: WG550931-2 WG550931-3								
Acenaphthene	64		67		37-111	5		30
1,2,4-Trichlorobenzene	49		53		39-98	8		30
1,4-Dichlorobenzene	52		57		36-97	9		30
2,4-Dinitrotoluene	92		92		24-96	0		30
n-Nitrosodi-n-propylamine	81		86		29-132	6		30
Pyrene	90		87		26-127	3		30
P-Chloro-M-Cresol	89		94		23-97	5		30
2-Chlorophenol	75		82		27-123	9		30
4-Nitrophenol	63		63		10-80	0		30
Pentachlorophenol	93		91		9-103	2		30
Phenol	37		42		12-110	13		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	53		59		21-120
Phenol-d6	36		39		10-120
Nitrobenzene-d5	84		92		23-120
2-Fluorobiphenyl	70		75		15-120
2,4,6-Tribromophenol	99		101		10-120
4-Terphenyl-d14	89		89		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747
Lab Number: L1213282
Report Date: 08/03/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG551325-2 WG551325-3								
Acenaphthene	81		71		37-111	13		30
1,2,4-Trichlorobenzene	74		69		39-98	7		30
1,4-Dichlorobenzene	74		65		36-97	13		30
2,4-Dinitrotoluene	92		78		24-96	16		30
n-Nitrosodi-n-propylamine	90		79		29-132	13		30
Pyrene	94		77		26-127	20		30
P-Chloro-M-Cresol	94		81		23-97	15		30
2-Chlorophenol	83		73		27-123	13		30
4-Nitrophenol	58		50		10-80	15		30
Pentachlorophenol	82		70		9-103	16		30
Phenol	37		32		12-110	14		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	61		53		21-120
Phenol-d6	41		36		10-120
Nitrobenzene-d5	99		87		23-120
2-Fluorobiphenyl	94		79		15-120
2,4,6-Tribromophenol	103		93		10-120
4-Terphenyl-d14	99		81		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747
Lab Number: L1213282
Report Date: 08/03/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 07 Batch: WG551327-2 WG551327-3								
Pentachlorophenol	84		94		9-103	11		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	58		62		21-120
Phenol-d6	41		43		10-120
Nitrobenzene-d5	92		96		23-120
2-Fluorobiphenyl	79		84		15-120
2,4,6-Tribromophenol	75		73		10-120
4-Terphenyl-d14	89		92		41-149

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747
Lab Number: L1213282
Report Date: 08/03/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-06,08-10 QC Batch ID: WG550930-4 WG550930-5 QC Sample: L1213282-02 Client ID: MW-4DO												
Pentachlorophenol	ND	40	38	95		38	95		9-103	0		40

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	113		119		10-120
2-Fluorobiphenyl	88		104		15-120
2-Fluorophenol	31		65		21-120
4-Terphenyl-d14	**155**	Q	**173**	Q	41-149
Nitrobenzene-d5	79		109		23-120
Phenol-d6	22		51		10-120

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747
Lab Number: L1213282
Report Date: 08/03/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06,08-10 QC Batch ID: WG550931-4 WG550931-5 QC Sample: L1213282-02 Client ID: MW-4DO												
Acenaphthene	ND	40	25	63		35	88		37-111	**33**	Q	30
1,2,4-Trichlorobenzene	ND	40	19	48		32	80		39-98	**51**	Q	30
1,4-Dichlorobenzene	ND	40	21	53		32	80		36-97	**42**	Q	30
2,4-Dinitrotoluene	ND	40	35	88		39	**98**	Q	24-96	11		30
n-Nitrosodi-n-propylamine	ND	40	31	78		37	93		29-132	18		30
Pyrene	ND	40	33	83		36	90		26-127	9		30
P-Chloro-M-Cresol	ND	40	31	78		40	**100**	Q	23-97	25		30
2-Chlorophenol	ND	40	25	63		35	88		27-123	**33**	Q	30
4-Nitrophenol	ND	40	15	38		31	78		10-80	**70**	Q	30
Pentachlorophenol	ND	40	35	88		39	98		9-103	11		30
Phenol	ND	40	9.8	25		19	48		12-110	**64**	Q	30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	94		108		10-120
2-Fluorobiphenyl	66		86		15-120
2-Fluorophenol	34		66		21-120
4-Terphenyl-d14	80		90		41-149
Nitrobenzene-d5	82		98		23-120
Phenol-d6	22		47		10-120

METALS

Project Name:	ROSE HILL LANDIFLL	**Lab Number:**	L1213282
Project Number:	CJI-1747	**Report Date:**	08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-01	Date Collected:	07/25/12 09:46
Client ID:	MW-4S	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.010	--	1	07/26/12 12:45	08/01/12 10:22	EPA 3005A	1,6020	AK
Antimony, Total	0.0006		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 10:22	EPA 3005A	1,6020	AK
Arsenic, Total	0.0008		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 10:22	EPA 3005A	1,6020	AK
Barium, Total	0.0139		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 10:22	EPA 3005A	1,6020	AK
Beryllium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 10:22	EPA 3005A	1,6020	AK
Cadmium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 10:22	EPA 3005A	1,6020	AK
Chromium, Total	ND		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 10:22	EPA 3005A	1,6020	AK
Lead, Total	ND		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 10:22	EPA 3005A	1,6020	AK
Manganese, Total	3.628		mg/l	0.0050	--	10	07/26/12 12:45	08/01/12 12:47	EPA 3005A	1,6020	AK
Sodium, Total	7.69		mg/l	0.100	--	1	07/26/12 12:45	08/01/12 10:22	EPA 3005A	1,6020	AK
Thallium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 10:22	EPA 3005A	1,6020	AK
Vanadium, Total	ND		mg/l	0.0050	--	1	07/26/12 12:45	08/01/12 10:22	EPA 3005A	1,6020	AK
Zinc, Total	0.0171		mg/l	0.0100	--	1	07/26/12 12:45	08/01/12 10:22	EPA 3005A	1,6020	AK

Project Name:	ROSE HILL LANDIFLL	**Lab Number:**	L1213282
Project Number:	CJI-1747	**Report Date:**	08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-02	Date Collected:	07/25/12 10:19
Client ID:	MW-4DO	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.010	--	1	07/26/12 12:45	08/01/12 10:12	EPA 3005A	1,6020	AK
Antimony, Total	0.0007		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 10:12	EPA 3005A	1,6020	AK
Arsenic, Total	0.0010		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 10:12	EPA 3005A	1,6020	AK
Barium, Total	0.0250		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 10:12	EPA 3005A	1,6020	AK
Beryllium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 10:12	EPA 3005A	1,6020	AK
Cadmium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 10:12	EPA 3005A	1,6020	AK
Chromium, Total	ND		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 10:12	EPA 3005A	1,6020	AK
Lead, Total	ND		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 10:12	EPA 3005A	1,6020	AK
Manganese, Total	2.466		mg/l	0.0050	--	10	07/26/12 12:45	08/01/12 12:35	EPA 3005A	1,6020	AK
Sodium, Total	11.0		mg/l	0.100	--	1	07/26/12 12:45	08/01/12 10:12	EPA 3005A	1,6020	AK
Thallium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 10:12	EPA 3005A	1,6020	AK
Vanadium, Total	ND		mg/l	0.0050	--	1	07/26/12 12:45	08/01/12 10:12	EPA 3005A	1,6020	AK
Zinc, Total	0.0174		mg/l	0.0100	--	1	07/26/12 12:45	08/01/12 10:12	EPA 3005A	1,6020	AK

Project Name:	ROSE HILL LANDIFLL	**Lab Number:**	L1213282
Project Number:	CJI-1747	**Report Date:**	08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-03	Date Collected:	07/25/12 11:18
Client ID:	MW-3BR	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.010	--	1	07/26/12 12:45	08/01/12 10:28	EPA 3005A	1,6020	AK
Antimony, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 10:28	EPA 3005A	1,6020	AK
Arsenic, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 10:28	EPA 3005A	1,6020	AK
Barium, Total	0.0006		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 10:28	EPA 3005A	1,6020	AK
Beryllium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 10:28	EPA 3005A	1,6020	AK
Cadmium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 10:28	EPA 3005A	1,6020	AK
Chromium, Total	ND		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 10:28	EPA 3005A	1,6020	AK
Lead, Total	ND		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 10:28	EPA 3005A	1,6020	AK
Manganese, Total	0.4248		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 10:28	EPA 3005A	1,6020	AK
Sodium, Total	14.4		mg/l	0.100	--	1	07/26/12 12:45	08/01/12 10:28	EPA 3005A	1,6020	AK
Thallium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 10:28	EPA 3005A	1,6020	AK
Vanadium, Total	ND		mg/l	0.0050	--	1	07/26/12 12:45	08/01/12 10:28	EPA 3005A	1,6020	AK
Zinc, Total	0.0311		mg/l	0.0100	--	1	07/26/12 12:45	08/01/12 10:28	EPA 3005A	1,6020	AK

Project Name:	ROSE HILL LANDIFLL	**Lab Number:**	L1213282
Project Number:	CJI-1747	**Report Date:**	08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-04	Date Collected:	07/25/12 11:18
Client ID:	DUPLICATE (MW-3BR)	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.010	--	1	07/26/12 12:45	08/01/12 11:13	EPA 3005A	1,6020	AK
Antimony, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:13	EPA 3005A	1,6020	AK
Arsenic, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:13	EPA 3005A	1,6020	AK
Barium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:13	EPA 3005A	1,6020	AK
Beryllium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:13	EPA 3005A	1,6020	AK
Cadmium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:13	EPA 3005A	1,6020	AK
Chromium, Total	ND		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 11:13	EPA 3005A	1,6020	AK
Lead, Total	ND		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 11:13	EPA 3005A	1,6020	AK
Manganese, Total	0.4545		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:13	EPA 3005A	1,6020	AK
Sodium, Total	15.1		mg/l	0.100	--	1	07/26/12 12:45	08/01/12 11:13	EPA 3005A	1,6020	AK
Thallium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:13	EPA 3005A	1,6020	AK
Vanadium, Total	ND		mg/l	0.0050	--	1	07/26/12 12:45	08/01/12 11:13	EPA 3005A	1,6020	AK
Zinc, Total	0.0186		mg/l	0.0100	--	1	07/26/12 12:45	08/01/12 11:13	EPA 3005A	1,6020	AK

Project Name:	ROSE HILL LANDIFLL	**Lab Number:**	L1213282
Project Number:	CJI-1747	**Report Date:**	08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-05	Date Collected:	07/25/12 11:51
Client ID:	MW-3S	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.010	--	1	07/26/12 12:45	08/01/12 11:16	EPA 3005A	1,6020	AK
Antimony, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:16	EPA 3005A	1,6020	AK
Arsenic, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:16	EPA 3005A	1,6020	AK
Barium, Total	0.0022		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:16	EPA 3005A	1,6020	AK
Beryllium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:16	EPA 3005A	1,6020	AK
Cadmium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:16	EPA 3005A	1,6020	AK
Chromium, Total	ND		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 11:16	EPA 3005A	1,6020	AK
Lead, Total	ND		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 11:16	EPA 3005A	1,6020	AK
Manganese, Total	0.0107		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:16	EPA 3005A	1,6020	AK
Sodium, Total	10.4		mg/l	0.100	--	1	07/26/12 12:45	08/01/12 11:16	EPA 3005A	1,6020	AK
Thallium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:16	EPA 3005A	1,6020	AK
Vanadium, Total	ND		mg/l	0.0050	--	1	07/26/12 12:45	08/01/12 11:16	EPA 3005A	1,6020	AK
Zinc, Total	0.0190		mg/l	0.0100	--	1	07/26/12 12:45	08/01/12 11:16	EPA 3005A	1,6020	AK

Project Name:	ROSE HILL LANDIFLL	**Lab Number:**	L1213282
Project Number:	CJI-1747	**Report Date:**	08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-06	Date Collected:	07/25/12 12:41
Client ID:	MW-12S	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.025		mg/l	0.010	--	1	07/26/12 12:45	08/01/12 11:21	EPA 3005A	1,6020	AK
Antimony, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:21	EPA 3005A	1,6020	AK
Arsenic, Total	0.0006		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:21	EPA 3005A	1,6020	AK
Barium, Total	0.0338		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:21	EPA 3005A	1,6020	AK
Beryllium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:21	EPA 3005A	1,6020	AK
Cadmium, Total	0.0009		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:21	EPA 3005A	1,6020	AK
Chromium, Total	ND		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 11:21	EPA 3005A	1,6020	AK
Lead, Total	ND		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 11:21	EPA 3005A	1,6020	AK
Manganese, Total	2.552		mg/l	0.0050	--	10	07/26/12 12:45	08/01/12 12:49	EPA 3005A	1,6020	AK
Sodium, Total	6.98		mg/l	0.100	--	1	07/26/12 12:45	08/01/12 11:21	EPA 3005A	1,6020	AK
Thallium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:21	EPA 3005A	1,6020	AK
Vanadium, Total	ND		mg/l	0.0050	--	1	07/26/12 12:45	08/01/12 11:21	EPA 3005A	1,6020	AK
Zinc, Total	0.0224		mg/l	0.0100	--	1	07/26/12 12:45	08/01/12 11:21	EPA 3005A	1,6020	AK

Project Name:	ROSE HILL LANDIFLL	**Lab Number:**	L1213282
Project Number:	CJI-1747	**Report Date:**	08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-07	Date Collected:	07/25/12 13:01
Client ID:	MW-12DO	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.010	--	1	07/26/12 12:45	08/01/12 11:24	EPA 3005A	1,6020	AK
Antimony, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:24	EPA 3005A	1,6020	AK
Arsenic, Total	0.0008		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:24	EPA 3005A	1,6020	AK
Barium, Total	0.0035		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:24	EPA 3005A	1,6020	AK
Beryllium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:24	EPA 3005A	1,6020	AK
Cadmium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:24	EPA 3005A	1,6020	AK
Chromium, Total	ND		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 11:24	EPA 3005A	1,6020	AK
Lead, Total	ND		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 11:24	EPA 3005A	1,6020	AK
Manganese, Total	2.722		mg/l	0.0050	--	10	07/26/12 12:45	08/01/12 12:52	EPA 3005A	1,6020	AK
Sodium, Total	10.5		mg/l	0.100	--	1	07/26/12 12:45	08/01/12 11:24	EPA 3005A	1,6020	AK
Thallium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:24	EPA 3005A	1,6020	AK
Vanadium, Total	ND		mg/l	0.0050	--	1	07/26/12 12:45	08/01/12 11:24	EPA 3005A	1,6020	AK
Zinc, Total	0.0182		mg/l	0.0100	--	1	07/26/12 12:45	08/01/12 11:24	EPA 3005A	1,6020	AK

Project Name:	ROSE HILL LANDIFLL	**Lab Number:**	L1213282
Project Number:	CJI-1747	**Report Date:**	08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-08	Date Collected:	07/25/12 00:00
Client ID:	FIELD BLANK	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.010	--	1	07/26/12 12:45	08/01/12 11:27	EPA 3005A	1,6020	AK
Antimony, Total	0.0005		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:27	EPA 3005A	1,6020	AK
Arsenic, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:27	EPA 3005A	1,6020	AK
Barium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:27	EPA 3005A	1,6020	AK
Beryllium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:27	EPA 3005A	1,6020	AK
Cadmium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:27	EPA 3005A	1,6020	AK
Chromium, Total	ND		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 11:27	EPA 3005A	1,6020	AK
Lead, Total	ND		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 11:27	EPA 3005A	1,6020	AK
Manganese, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:27	EPA 3005A	1,6020	AK
Sodium, Total	ND		mg/l	0.100	--	1	07/26/12 12:45	08/01/12 11:27	EPA 3005A	1,6020	AK
Thallium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:27	EPA 3005A	1,6020	AK
Vanadium, Total	ND		mg/l	0.0050	--	1	07/26/12 12:45	08/01/12 11:27	EPA 3005A	1,6020	AK
Zinc, Total	0.0184		mg/l	0.0100	--	1	07/26/12 12:45	08/01/12 11:27	EPA 3005A	1,6020	AK

Project Name:	ROSE HILL LANDIFLL	**Lab Number:**	L1213282
Project Number:	CJI-1747	**Report Date:**	08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-09	Date Collected:	07/25/12 09:08
Client ID:	RES #12	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.010	--	1	07/26/12 12:45	08/01/12 11:30	EPA 3005A	1,6020	AK
Antimony, Total	0.0005		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:30	EPA 3005A	1,6020	AK
Arsenic, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:30	EPA 3005A	1,6020	AK
Barium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:30	EPA 3005A	1,6020	AK
Beryllium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:30	EPA 3005A	1,6020	AK
Cadmium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:30	EPA 3005A	1,6020	AK
Chromium, Total	ND		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 11:30	EPA 3005A	1,6020	AK
Lead, Total	ND		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 11:30	EPA 3005A	1,6020	AK
Manganese, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:30	EPA 3005A	1,6020	AK
Sodium, Total	ND		mg/l	0.100	--	1	07/26/12 12:45	08/01/12 11:30	EPA 3005A	1,6020	AK
Thallium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:30	EPA 3005A	1,6020	AK
Vanadium, Total	ND		mg/l	0.0050	--	1	07/26/12 12:45	08/01/12 11:30	EPA 3005A	1,6020	AK
Zinc, Total	0.0183		mg/l	0.0100	--	1	07/26/12 12:45	08/01/12 11:30	EPA 3005A	1,6020	AK

Project Name:	ROSE HILL LANDIFLL	**Lab Number:**	L1213282
Project Number:	CJI-1747	**Report Date:**	08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-10	Date Collected:	07/25/12 13:28
Client ID:	MW-07-BR	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.010	--	1	07/26/12 12:45	08/01/12 11:33	EPA 3005A	1,6020	AK
Antimony, Total	0.0012		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:33	EPA 3005A	1,6020	AK
Arsenic, Total	0.0006		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:33	EPA 3005A	1,6020	AK
Barium, Total	0.0146		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:33	EPA 3005A	1,6020	AK
Beryllium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:33	EPA 3005A	1,6020	AK
Cadmium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:33	EPA 3005A	1,6020	AK
Chromium, Total	ND		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 11:33	EPA 3005A	1,6020	AK
Lead, Total	ND		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 11:33	EPA 3005A	1,6020	AK
Manganese, Total	0.0044		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:33	EPA 3005A	1,6020	AK
Sodium, Total	54.1		mg/l	0.200	--	2	07/26/12 12:45	08/01/12 13:00	EPA 3005A	1,6020	AK
Thallium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:33	EPA 3005A	1,6020	AK
Vanadium, Total	ND		mg/l	0.0050	--	1	07/26/12 12:45	08/01/12 11:33	EPA 3005A	1,6020	AK
Zinc, Total	0.0259		mg/l	0.0100	--	1	07/26/12 12:45	08/01/12 11:33	EPA 3005A	1,6020	AK

Project Name:	ROSE HILL LANDIFLL	**Lab Number:**	L1213282
Project Number:	CJI-1747	**Report Date:**	08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-11	Date Collected:	07/25/12 10:15
Client ID:	SW-09	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.073		mg/l	0.010	--	1	07/26/12 12:45	08/01/12 11:35	EPA 3005A	1,6020	AK
Arsenic, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:35	EPA 3005A	1,6020	AK
Cadmium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:35	EPA 3005A	1,6020	AK
Chromium, Total	ND		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 11:35	EPA 3005A	1,6020	AK
Copper, Total	0.0034		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 11:35	EPA 3005A	1,6020	AK
Iron, Total	0.665		mg/l	0.050	--	1	07/26/12 12:45	08/01/12 11:35	EPA 3005A	1,6020	AK
Lead, Total	ND		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 11:35	EPA 3005A	1,6020	AK
Manganese, Total	0.1855		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:35	EPA 3005A	1,6020	AK
Nickel, Total	0.0006		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:35	EPA 3005A	1,6020	AK
Silver, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:35	EPA 3005A	1,6020	AK
Zinc, Total	0.2093		mg/l	0.0100	--	1	07/26/12 12:45	08/01/12 11:35	EPA 3005A	1,6020	AK
Total Hardness (by calculation) - Westborough Lab											
Hardness	12		mg/l	0.54	NA	1	07/26/12 12:45	08/01/12 11:35	EPA 3005A	1,6020	AK
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.027		mg/l	0.010	--	1	07/31/12 12:45	08/02/12 15:54	NA	1,6020	AK
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	07/31/12 12:45	08/02/12 15:54	NA	1,6020	AK
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	07/31/12 12:45	08/02/12 15:54	NA	1,6020	AK
Chromium, Dissolved	ND		mg/l	0.0010	--	1	07/31/12 12:45	08/02/12 15:54	NA	1,6020	AK
Copper, Dissolved	0.0026		mg/l	0.0010	--	1	07/31/12 12:45	08/02/12 15:54	NA	1,6020	AK
Iron, Dissolved	0.155		mg/l	0.050	--	1	07/31/12 12:45	08/02/12 15:54	NA	1,6020	AK
Lead, Dissolved	ND		mg/l	0.0010	--	1	07/31/12 12:45	08/02/12 15:54	NA	1,6020	AK
Manganese, Dissolved	0.0943		mg/l	0.0005	--	1	07/31/12 12:45	08/02/12 15:54	NA	1,6020	AK
Nickel, Dissolved	0.0007		mg/l	0.0005	--	1	07/31/12 12:45	08/02/12 15:54	NA	1,6020	AK
Silver, Dissolved	ND		mg/l	0.0005	--	1	07/31/12 12:45	08/02/12 15:54	NA	1,6020	AK
Zinc, Dissolved	0.0498		mg/l	0.0100	--	1	07/31/12 12:45	08/02/12 15:54	NA	1,6020	AK

Project Name:	ROSE HILL LANDIFLL	**Lab Number:**	L1213282
Project Number:	CJI-1747	**Report Date:**	08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-12	Date Collected:	07/25/12 10:15
Client ID:	DUP (SW-09)	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.086		mg/l	0.010	--	1	07/26/12 12:45	08/01/12 11:38	EPA 3005A	1,6020	AK
Arsenic, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:38	EPA 3005A	1,6020	AK
Cadmium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:38	EPA 3005A	1,6020	AK
Chromium, Total	ND		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 11:38	EPA 3005A	1,6020	AK
Copper, Total	0.0031		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 11:38	EPA 3005A	1,6020	AK
Iron, Total	0.672		mg/l	0.050	--	1	07/26/12 12:45	08/01/12 11:38	EPA 3005A	1,6020	AK
Lead, Total	0.0011		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 11:38	EPA 3005A	1,6020	AK
Manganese, Total	0.1831		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:38	EPA 3005A	1,6020	AK
Nickel, Total	0.0006		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:38	EPA 3005A	1,6020	AK
Silver, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:38	EPA 3005A	1,6020	AK
Zinc, Total	0.0617		mg/l	0.0100	--	1	07/26/12 12:45	08/01/12 11:38	EPA 3005A	1,6020	AK
Total Hardness (by calculation) - Westborough Lab											
Hardness	12		mg/l	0.54	NA	1	07/26/12 12:45	08/01/12 11:38	EPA 3005A	1,6020	AK
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.026		mg/l	0.010	--	1	07/26/12 16:23	08/02/12 16:11	NA	1,6020	AK
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	07/26/12 16:23	08/02/12 16:11	NA	1,6020	AK
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	07/26/12 16:23	08/02/12 16:11	NA	1,6020	AK
Chromium, Dissolved	ND		mg/l	0.0010	--	1	07/26/12 16:23	08/02/12 16:11	NA	1,6020	AK
Copper, Dissolved	0.0015		mg/l	0.0010	--	1	07/26/12 16:23	08/02/12 16:11	NA	1,6020	AK
Iron, Dissolved	0.174		mg/l	0.050	--	1	07/26/12 16:23	08/02/12 16:11	NA	1,6020	AK
Lead, Dissolved	ND		mg/l	0.0010	--	1	07/26/12 16:23	08/02/12 16:11	NA	1,6020	AK
Manganese, Dissolved	0.0883		mg/l	0.0005	--	1	07/26/12 16:23	08/02/12 16:11	NA	1,6020	AK
Nickel, Dissolved	ND		mg/l	0.0005	--	1	07/26/12 16:23	08/02/12 16:11	NA	1,6020	AK
Silver, Dissolved	ND		mg/l	0.0005	--	1	07/26/12 16:23	08/02/12 16:11	NA	1,6020	AK
Zinc, Dissolved	0.0249		mg/l	0.0100	--	1	07/26/12 16:23	08/02/12 16:11	NA	1,6020	AK

Project Name:	ROSE HILL LANDIFLL	**Lab Number:**	L1213282
Project Number:	CJI-1747	**Report Date:**	08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-13	Date Collected:	07/25/12 11:30
Client ID:	SW-17	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.082		mg/l	0.010	--	1	07/26/12 12:45	08/01/12 11:41	EPA 3005A	1,6020	AK
Arsenic, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:41	EPA 3005A	1,6020	AK
Cadmium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:41	EPA 3005A	1,6020	AK
Chromium, Total	ND		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 11:41	EPA 3005A	1,6020	AK
Copper, Total	0.0032		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 11:41	EPA 3005A	1,6020	AK
Iron, Total	3.42		mg/l	0.050	--	1	07/26/12 12:45	08/01/12 11:41	EPA 3005A	1,6020	AK
Lead, Total	0.0016		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 11:41	EPA 3005A	1,6020	AK
Manganese, Total	0.3670		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:41	EPA 3005A	1,6020	AK
Nickel, Total	0.0009		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:41	EPA 3005A	1,6020	AK
Silver, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:41	EPA 3005A	1,6020	AK
Zinc, Total	0.0524		mg/l	0.0100	--	1	07/26/12 12:45	08/01/12 11:41	EPA 3005A	1,6020	AK
Total Hardness (by calculation) - Westborough Lab											
Hardness	27		mg/l	0.54	NA	1	07/26/12 12:45	08/01/12 11:41	EPA 3005A	1,6020	AK
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	ND		mg/l	0.010	--	1	07/26/12 16:23	08/02/12 16:14	NA	1,6020	AK
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	07/26/12 16:23	08/02/12 16:14	NA	1,6020	AK
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	07/26/12 16:23	08/02/12 16:14	NA	1,6020	AK
Chromium, Dissolved	ND		mg/l	0.0010	--	1	07/26/12 16:23	08/02/12 16:14	NA	1,6020	AK
Copper, Dissolved	0.0016		mg/l	0.0010	--	1	07/26/12 16:23	08/02/12 16:14	NA	1,6020	AK
Iron, Dissolved	0.322		mg/l	0.050	--	1	07/26/12 16:23	08/02/12 16:14	NA	1,6020	AK
Lead, Dissolved	ND		mg/l	0.0010	--	1	07/26/12 16:23	08/02/12 16:14	NA	1,6020	AK
Manganese, Dissolved	0.1976		mg/l	0.0005	--	1	07/26/12 16:23	08/02/12 16:14	NA	1,6020	AK
Nickel, Dissolved	0.0006		mg/l	0.0005	--	1	07/26/12 16:23	08/02/12 16:14	NA	1,6020	AK
Silver, Dissolved	ND		mg/l	0.0005	--	1	07/26/12 16:23	08/02/12 16:14	NA	1,6020	AK
Zinc, Dissolved	0.0183		mg/l	0.0100	--	1	07/26/12 16:23	08/02/12 16:14	NA	1,6020	AK

Project Name:	ROSE HILL LANDIFLL	**Lab Number:**	L1213282
Project Number:	CJI-1747	**Report Date:**	08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-14	Date Collected:	07/25/12 13:05
Client ID:	SW-04	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.187		mg/l	0.010	--	1	07/26/12 12:45	08/01/12 11:50	EPA 3005A	1,6020	AK
Arsenic, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:50	EPA 3005A	1,6020	AK
Cadmium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:50	EPA 3005A	1,6020	AK
Chromium, Total	ND		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 11:50	EPA 3005A	1,6020	AK
Copper, Total	0.0021		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 11:50	EPA 3005A	1,6020	AK
Iron, Total	1.65		mg/l	0.050	--	1	07/26/12 12:45	08/01/12 11:50	EPA 3005A	1,6020	AK
Lead, Total	0.0040		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 11:50	EPA 3005A	1,6020	AK
Manganese, Total	0.6232		mg/l	0.0010	--	2	07/26/12 12:45	08/01/12 13:03	EPA 3005A	1,6020	AK
Nickel, Total	0.0019		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:50	EPA 3005A	1,6020	AK
Silver, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:50	EPA 3005A	1,6020	AK
Zinc, Total	0.0846		mg/l	0.0100	--	1	07/26/12 12:45	08/01/12 11:50	EPA 3005A	1,6020	AK
Total Hardness (by calculation) - Westborough Lab											
Hardness	32		mg/l	0.54	NA	1	07/26/12 12:45	08/01/12 11:50	EPA 3005A	1,6020	AK
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.016		mg/l	0.010	--	1	07/26/12 16:23	08/02/12 16:17	NA	1,6020	AK
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	07/26/12 16:23	08/02/12 16:17	NA	1,6020	AK
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	07/26/12 16:23	08/02/12 16:17	NA	1,6020	AK
Chromium, Dissolved	ND		mg/l	0.0010	--	1	07/26/12 16:23	08/02/12 16:17	NA	1,6020	AK
Copper, Dissolved	0.0018		mg/l	0.0010	--	1	07/26/12 16:23	08/02/12 16:17	NA	1,6020	AK
Iron, Dissolved	0.151		mg/l	0.050	--	1	07/26/12 16:23	08/02/12 16:17	NA	1,6020	AK
Lead, Dissolved	ND		mg/l	0.0010	--	1	07/26/12 16:23	08/02/12 16:17	NA	1,6020	AK
Manganese, Dissolved	0.4089		mg/l	0.0005	--	1	07/26/12 16:23	08/02/12 16:17	NA	1,6020	AK
Nickel, Dissolved	0.0011		mg/l	0.0005	--	1	07/26/12 16:23	08/02/12 16:17	NA	1,6020	AK
Silver, Dissolved	ND		mg/l	0.0005	--	1	07/26/12 16:23	08/02/12 16:17	NA	1,6020	AK
Zinc, Dissolved	0.0192		mg/l	0.0100	--	1	07/26/12 16:23	08/02/12 16:17	NA	1,6020	AK

Project Name:	ROSE HILL LANDIFLL	**Lab Number:**	L1213282
Project Number:	CJI-1747	**Report Date:**	08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-15	Date Collected:	07/25/12 08:38
Client ID:	SW-2	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.181		mg/l	0.010	--	1	07/26/12 12:45	08/01/12 11:53	EPA 3005A	1,6020	AK
Arsenic, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:53	EPA 3005A	1,6020	AK
Cadmium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:53	EPA 3005A	1,6020	AK
Chromium, Total	ND		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 11:53	EPA 3005A	1,6020	AK
Copper, Total	0.0025		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 11:53	EPA 3005A	1,6020	AK
Iron, Total	0.396		mg/l	0.050	--	1	07/26/12 12:45	08/01/12 11:53	EPA 3005A	1,6020	AK
Lead, Total	0.0023		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 11:53	EPA 3005A	1,6020	AK
Manganese, Total	0.1970		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:53	EPA 3005A	1,6020	AK
Nickel, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:53	EPA 3005A	1,6020	AK
Silver, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:53	EPA 3005A	1,6020	AK
Zinc, Total	0.0291		mg/l	0.0100	--	1	07/26/12 12:45	08/01/12 11:53	EPA 3005A	1,6020	AK
Total Hardness (by calculation) - Westborough Lab											
Hardness	24		mg/l	0.54	NA	1	07/26/12 12:45	08/01/12 11:53	EPA 3005A	1,6020	AK
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.019		mg/l	0.010	--	1	07/26/12 16:23	08/02/12 16:20	NA	1,6020	AK
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	07/26/12 16:23	08/02/12 16:20	NA	1,6020	AK
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	07/26/12 16:23	08/02/12 16:20	NA	1,6020	AK
Chromium, Dissolved	ND		mg/l	0.0010	--	1	07/26/12 16:23	08/02/12 16:20	NA	1,6020	AK
Copper, Dissolved	0.0015		mg/l	0.0010	--	1	07/26/12 16:23	08/02/12 16:20	NA	1,6020	AK
Iron, Dissolved	0.058		mg/l	0.050	--	1	07/26/12 16:23	08/02/12 16:20	NA	1,6020	AK
Lead, Dissolved	ND		mg/l	0.0010	--	1	07/26/12 16:23	08/02/12 16:20	NA	1,6020	AK
Manganese, Dissolved	0.0027		mg/l	0.0005	--	1	07/26/12 16:23	08/02/12 16:20	NA	1,6020	AK
Nickel, Dissolved	ND		mg/l	0.0005	--	1	07/26/12 16:23	08/02/12 16:20	NA	1,6020	AK
Silver, Dissolved	ND		mg/l	0.0005	--	1	07/26/12 16:23	08/02/12 16:20	NA	1,6020	AK
Zinc, Dissolved	ND		mg/l	0.0100	--	1	07/26/12 16:23	08/02/12 16:20	NA	1,6020	AK

Project Name:	ROSE HILL LANDIFLL	**Lab Number:**	L1213282
Project Number:	CJI-1747	**Report Date:**	08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-16	Date Collected:	07/25/12 09:00
Client ID:	SW-1	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.065		mg/l	0.010	--	1	07/26/12 12:45	08/01/12 11:55	EPA 3005A	1,6020	AK
Arsenic, Total	0.0010		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:55	EPA 3005A	1,6020	AK
Cadmium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:55	EPA 3005A	1,6020	AK
Chromium, Total	ND		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 11:55	EPA 3005A	1,6020	AK
Copper, Total	0.0038		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 11:55	EPA 3005A	1,6020	AK
Iron, Total	2.09		mg/l	0.050	--	1	07/26/12 12:45	08/01/12 11:55	EPA 3005A	1,6020	AK
Lead, Total	0.0242		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 11:55	EPA 3005A	1,6020	AK
Manganese, Total	0.3655		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:55	EPA 3005A	1,6020	AK
Nickel, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:55	EPA 3005A	1,6020	AK
Silver, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:55	EPA 3005A	1,6020	AK
Zinc, Total	0.0311		mg/l	0.0100	--	1	07/26/12 12:45	08/01/12 11:55	EPA 3005A	1,6020	AK
Total Hardness (by calculation) - Westborough Lab											
Hardness	16		mg/l	0.54	NA	1	07/26/12 12:45	08/01/12 11:55	EPA 3005A	1,6020	AK
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.026		mg/l	0.010	--	1	07/26/12 16:23	08/02/12 16:23	NA	1,6020	AK
Arsenic, Dissolved	0.0007		mg/l	0.0005	--	1	07/26/12 16:23	08/02/12 16:23	NA	1,6020	AK
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	07/26/12 16:23	08/02/12 16:23	NA	1,6020	AK
Chromium, Dissolved	ND		mg/l	0.0010	--	1	07/26/12 16:23	08/02/12 16:23	NA	1,6020	AK
Copper, Dissolved	0.0017		mg/l	0.0010	--	1	07/26/12 16:23	08/02/12 16:23	NA	1,6020	AK
Iron, Dissolved	1.21		mg/l	0.050	--	1	07/26/12 16:23	08/02/12 16:23	NA	1,6020	AK
Lead, Dissolved	0.0095		mg/l	0.0010	--	1	07/26/12 16:23	08/02/12 16:23	NA	1,6020	AK
Manganese, Dissolved	0.1038		mg/l	0.0005	--	1	07/26/12 16:23	08/02/12 16:23	NA	1,6020	AK
Nickel, Dissolved	ND		mg/l	0.0005	--	1	07/26/12 16:23	08/02/12 16:23	NA	1,6020	AK
Silver, Dissolved	ND		mg/l	0.0005	--	1	07/26/12 16:23	08/02/12 16:23	NA	1,6020	AK
Zinc, Dissolved	0.0171		mg/l	0.0100	--	1	07/26/12 16:23	08/02/12 16:23	NA	1,6020	AK

Project Name:	ROSE HILL LANDIFLL	**Lab Number:**	L1213282
Project Number:	CJI-1747	**Report Date:**	08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-17	Date Collected:	07/25/12 14:04
Client ID:	SW-06	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.141		mg/l	0.010	--	1	07/26/12 12:45	08/01/12 11:58	EPA 3005A	1,6020	AK
Arsenic, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:58	EPA 3005A	1,6020	AK
Cadmium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:58	EPA 3005A	1,6020	AK
Chromium, Total	ND		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 11:58	EPA 3005A	1,6020	AK
Copper, Total	0.0016		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 11:58	EPA 3005A	1,6020	AK
Iron, Total	2.51		mg/l	0.050	--	1	07/26/12 12:45	08/01/12 11:58	EPA 3005A	1,6020	AK
Lead, Total	0.0015		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 11:58	EPA 3005A	1,6020	AK
Manganese, Total	0.3080		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:58	EPA 3005A	1,6020	AK
Nickel, Total	0.0005		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:58	EPA 3005A	1,6020	AK
Silver, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 11:58	EPA 3005A	1,6020	AK
Zinc, Total	0.1254		mg/l	0.0100	--	1	07/26/12 12:45	08/01/12 11:58	EPA 3005A	1,6020	AK
Total Hardness (by calculation) - Westborough Lab											
Hardness	27		mg/l	0.54	NA	1	07/26/12 12:45	08/01/12 11:58	EPA 3005A	1,6020	AK
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.011		mg/l	0.010	--	1	07/26/12 16:23	08/02/12 16:25	NA	1,6020	AK
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	07/26/12 16:23	08/02/12 16:25	NA	1,6020	AK
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	07/26/12 16:23	08/02/12 16:25	NA	1,6020	AK
Chromium, Dissolved	ND		mg/l	0.0010	--	1	07/26/12 16:23	08/02/12 16:25	NA	1,6020	AK
Copper, Dissolved	0.0016		mg/l	0.0010	--	1	07/26/12 16:23	08/02/12 16:25	NA	1,6020	AK
Iron, Dissolved	0.279		mg/l	0.050	--	1	07/26/12 16:23	08/02/12 16:25	NA	1,6020	AK
Lead, Dissolved	ND		mg/l	0.0010	--	1	07/26/12 16:23	08/02/12 16:25	NA	1,6020	AK
Manganese, Dissolved	0.2042		mg/l	0.0005	--	1	07/26/12 16:23	08/02/12 16:25	NA	1,6020	AK
Nickel, Dissolved	ND		mg/l	0.0005	--	1	07/26/12 16:23	08/02/12 16:25	NA	1,6020	AK
Silver, Dissolved	ND		mg/l	0.0005	--	1	07/26/12 16:23	08/02/12 16:25	NA	1,6020	AK
Zinc, Dissolved	0.0381		mg/l	0.0100	--	1	07/26/12 16:23	08/02/12 16:25	NA	1,6020	AK

Project Name:	ROSE HILL LANDIFLL	**Lab Number:**	L1213282
Project Number:	CJI-1747	**Report Date:**	08/03/12

SAMPLE RESULTS

Lab ID:	L1213282-18	Date Collected:	07/25/12 08:40
Client ID:	FIELD BLANK	Date Received:	07/25/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.010	--	1	07/26/12 12:45	08/01/12 12:05	EPA 3005A	1,6020	AK
Arsenic, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 12:05	EPA 3005A	1,6020	AK
Cadmium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 12:05	EPA 3005A	1,6020	AK
Chromium, Total	ND		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 12:05	EPA 3005A	1,6020	AK
Copper, Total	ND		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 12:05	EPA 3005A	1,6020	AK
Iron, Total	ND		mg/l	0.050	--	1	07/26/12 12:45	08/01/12 12:05	EPA 3005A	1,6020	AK
Lead, Total	ND		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 12:05	EPA 3005A	1,6020	AK
Manganese, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 12:05	EPA 3005A	1,6020	AK
Nickel, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 12:05	EPA 3005A	1,6020	AK
Silver, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 12:05	EPA 3005A	1,6020	AK
Zinc, Total	0.0179		mg/l	0.0100	--	1	07/26/12 12:45	08/01/12 12:05	EPA 3005A	1,6020	AK
Total Hardness (by calculation) - Westborough Lab											
Hardness	ND		mg/l	0.54	NA	1	07/26/12 12:45	08/01/12 12:05	EPA 3005A	1,6020	AK
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	ND		mg/l	0.010	--	1	07/26/12 16:23	08/02/12 16:28	NA	1,6020	AK
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	07/26/12 16:23	08/02/12 16:28	NA	1,6020	AK
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	07/26/12 16:23	08/02/12 16:28	NA	1,6020	AK
Chromium, Dissolved	ND		mg/l	0.0010	--	1	07/26/12 16:23	08/02/12 16:28	NA	1,6020	AK
Copper, Dissolved	ND		mg/l	0.0010	--	1	07/26/12 16:23	08/02/12 16:28	NA	1,6020	AK
Iron, Dissolved	ND		mg/l	0.050	--	1	07/26/12 16:23	08/02/12 16:28	NA	1,6020	AK
Lead, Dissolved	ND		mg/l	0.0010	--	1	07/26/12 16:23	08/02/12 16:28	NA	1,6020	AK
Manganese, Dissolved	ND		mg/l	0.0005	--	1	07/26/12 16:23	08/02/12 16:28	NA	1,6020	AK
Nickel, Dissolved	ND		mg/l	0.0005	--	1	07/26/12 16:23	08/02/12 16:28	NA	1,6020	AK
Silver, Dissolved	ND		mg/l	0.0005	--	1	07/26/12 16:23	08/02/12 16:28	NA	1,6020	AK
Zinc, Dissolved	0.0180		mg/l	0.0100	--	1	07/26/12 16:23	08/02/12 16:28	NA	1,6020	AK

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-18 Batch: WG551037-1										
Aluminum, Total	ND		mg/l	0.010	--	1	07/26/12 12:45	08/01/12 10:01	1,6020	AK
Antimony, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 10:01	1,6020	AK
Arsenic, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 10:01	1,6020	AK
Barium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 10:01	1,6020	AK
Beryllium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 10:01	1,6020	AK
Cadmium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 10:01	1,6020	AK
Chromium, Total	ND		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 10:01	1,6020	AK
Copper, Total	ND		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 10:01	1,6020	AK
Iron, Total	ND		mg/l	0.050	--	1	07/26/12 12:45	08/01/12 10:01	1,6020	AK
Lead, Total	ND		mg/l	0.0010	--	1	07/26/12 12:45	08/01/12 10:01	1,6020	AK
Manganese, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 10:01	1,6020	AK
Nickel, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 10:01	1,6020	AK
Silver, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 10:01	1,6020	AK
Sodium, Total	ND		mg/l	0.100	--	1	07/26/12 12:45	08/01/12 10:01	1,6020	AK
Thallium, Total	ND		mg/l	0.0005	--	1	07/26/12 12:45	08/01/12 10:01	1,6020	AK
Vanadium, Total	ND		mg/l	0.0050	--	1	07/26/12 12:45	08/01/12 10:01	1,6020	AK
Zinc, Total	ND		mg/l	0.0100	--	1	07/26/12 12:45	08/01/12 10:01	1,6020	AK

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Hardness (by calculation) - Westborough Lab for sample(s): 01-18 Batch: WG551037-1										
Hardness	ND		mg/l	0.54	NA	1	07/26/12 12:45	08/01/12 10:01	1,6020	AK

Prep Information

Digestion Method: EPA 3005A

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 11-18 Batch: WG551958-1										
Aluminum, Dissolved	ND		mg/l	0.010	--	1	07/31/12 12:45	08/02/12 15:45	1,6020	AK
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	07/31/12 12:45	08/02/12 15:45	1,6020	AK
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	07/31/12 12:45	08/02/12 15:45	1,6020	AK
Chromium, Dissolved	ND		mg/l	0.0010	--	1	07/31/12 12:45	08/02/12 15:45	1,6020	AK
Copper, Dissolved	ND		mg/l	0.0010	--	1	07/31/12 12:45	08/02/12 15:45	1,6020	AK
Iron, Dissolved	ND		mg/l	0.050	--	1	07/31/12 12:45	08/02/12 15:45	1,6020	AK
Lead, Dissolved	ND		mg/l	0.0010	--	1	07/31/12 12:45	08/02/12 15:45	1,6020	AK
Manganese, Dissolved	ND		mg/l	0.0005	--	1	07/31/12 12:45	08/02/12 15:45	1,6020	AK
Nickel, Dissolved	ND		mg/l	0.0005	--	1	07/31/12 12:45	08/02/12 15:45	1,6020	AK
Silver, Dissolved	ND		mg/l	0.0005	--	1	07/31/12 12:45	08/02/12 15:45	1,6020	AK
Zinc, Dissolved	ND		mg/l	0.0100	--	1	07/31/12 12:45	08/02/12 15:45	1,6020	AK

Prep Information

Digestion Method: NA

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-18 Batch: WG551037-2								
Aluminum, Total	98		-		80-120	-		
Antimony, Total	83		-		80-120	-		
Arsenic, Total	94		-		80-120	-		
Barium, Total	97		-		80-120	-		
Beryllium, Total	103		-		80-120	-		
Cadmium, Total	106		-		80-120	-		
Chromium, Total	101		-		80-120	-		
Copper, Total	101		-		80-120	-		
Iron, Total	99		-		80-120	-		
Lead, Total	103		-		80-120	-		
Manganese, Total	100		-		80-120	-		
Nickel, Total	103		-		80-120	-		
Silver, Total	97		-		80-120	-		
Sodium, Total	100		-		80-120	-		
Thallium, Total	93		-		80-120	-		
Vanadium, Total	100		-		80-120	-		
Zinc, Total	109		-		80-120	-		
Total Hardness (by calculation) - Westborough Lab Associated sample(s): 01-18 Batch: WG551037-2								
Hardness	97		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 11-18 Batch: WG551958-2					
Aluminum, Dissolved	90	-	80-120	-	
Arsenic, Dissolved	102	-	80-120	-	
Cadmium, Dissolved	96	-	80-120	-	
Chromium, Dissolved	91	-	80-120	-	
Copper, Dissolved	93	-	80-120	-	
Iron, Dissolved	97	-	80-120	-	
Lead, Dissolved	98	-	80-120	-	
Manganese, Dissolved	89	-	80-120	-	
Nickel, Dissolved	93	-	80-120	-	
Silver, Dissolved	94	-	80-120	-	
Zinc, Dissolved	100	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747
Lab Number: L1213282
Report Date: 08/03/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-18 QC Batch ID: WG551037-3 WG551037-4 QC Sample: L1213282-02 Client ID: MW-4DO												
Aluminum, Total	ND	2	1.73	86		1.82	91		80-120	5		20
Antimony, Total	0.0007	0.5	0.4562	91		0.4683	94		80-120	3		20
Arsenic, Total	0.0010	0.12	0.1143	94		0.1188	98		80-120	4		20
Barium, Total	0.0250	2	1.742	86		1.827	90		80-120	5		20
Beryllium, Total	ND	0.05	0.0477	95		0.0476	95		80-120	0		20
Cadmium, Total	ND	0.051	0.0496	97		0.0515	101		80-120	4		20
Chromium, Total	ND	0.2	0.1740	87		0.1832	92		80-120	5		20
Copper, Total	ND	0.25	0.2200	88		0.2308	92		80-120	5		20
Iron, Total	25.9	1	25.7	**0**	Q	26.5	**60**	Q	80-120	3		20
Lead, Total	ND	0.51	0.4657	91		0.4868	95		80-120	4		20
Manganese, Total	2.466	0.5	2.971	101		3.056	118		80-120	3		20
Nickel, Total	0.0013	0.5	0.4510	90		0.4688	94		80-120	4		20
Silver, Total	ND	0.05	0.0440	88		0.0449	90		80-120	2		20
Sodium, Total	11.0	10	19.6	86		20.3	93		80-120	4		20
Thallium, Total	ND	0.12	0.0994	83		0.1037	86		80-120	4		20
Vanadium, Total	ND	0.5	0.4408	88		0.4660	93		80-120	6		20
Zinc, Total	0.0174	0.5	0.4991	96		0.5224	101		80-120	5		20
Total Hardness (by calculation) - Westborough Lab Associated sample(s): 01-18 QC Batch ID: WG551037-3 WG551037-4 QC Sample: L1213282-02 Client ID: MW-4DO												
Hardness	33	66.2	88	83		92	89		80-120	4		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 11-18 QC Batch ID: WG551958-4 QC Sample: L1213282-11 Client ID: SW-09									
Aluminum, Dissolved	0.027	2	2.21	109	-	-	80-120	-	20
Arsenic, Dissolved	ND	0.12	0.1256	105	-	-	80-120	-	20
Cadmium, Dissolved	ND	0.051	0.0576	113	-	-	80-120	-	20
Chromium, Dissolved	ND	0.2	0.1908	95	-	-	80-120	-	20
Copper, Dissolved	0.0026	0.25	0.2361	93	-	-	80-120	-	20
Iron, Dissolved	0.155	1	1.12	96	-	-	80-120	-	20
Lead, Dissolved	ND	0.51	0.5939	116	-	-	80-120	-	20
Manganese, Dissolved	0.0943	0.5	0.5888	99	-	-	80-120	-	20
Nickel, Dissolved	0.0007	0.5	0.4731	94	-	-	80-120	-	20
Silver, Dissolved	ND	0.05	0.0477	95	-	-	80-120	-	20
Zinc, Dissolved	0.0498	0.5	0.5917	108	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 11-18 QC Batch ID: WG551958-3 QC Sample: L1213282-11 Client ID: SW-09						
Aluminum, Dissolved	0.027	0.026	mg/l	5		20
Arsenic, Dissolved	ND	ND	mg/l	NC		20
Cadmium, Dissolved	ND	ND	mg/l	NC		20
Chromium, Dissolved	ND	ND	mg/l	NC		20
Copper, Dissolved	0.0026	0.0024	mg/l	9		20
Iron, Dissolved	0.155	0.152	mg/l	2		20
Lead, Dissolved	ND	ND	mg/l	NC		20
Manganese, Dissolved	0.0943	0.0917	mg/l	3		20
Nickel, Dissolved	0.0007	0.0007	mg/l	0		20
Silver, Dissolved	ND	ND	mg/l	NC		20
Zinc, Dissolved	0.0498	0.0492	mg/l	1		20

INORGANICS
&
MISCELLANEOUS

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

SAMPLE RESULTS

Lab ID: L1213282-11
Client ID: SW-09
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/25/12 10:15
Date Received: 07/25/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	--	1	07/26/12 11:30	07/27/12 14:57	1,9010B/9012A	JO
Nitrogen, Ammonia	0.158		mg/l	0.075	--	1	07/26/12 10:20	07/26/12 15:48	30,4500NH3-BH	JO
Nitrogen, Nitrate	0.39		mg/l	0.10	--	1	-	07/25/12 22:18	30,4500NO3-F	DB
Phosphorus, Total	0.025		mg/l	0.010	--	1	07/26/12 12:00	07/26/12 15:30	30,4500P-E	SD
Sulfide	ND		mg/l	0.10	--	1	07/30/12 12:30	07/30/12 13:54	1,9030B	MP
Total Organic Carbon	3.6		mg/l	1.0	--	2	-	07/31/12 08:00	1,9060	DW

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

SAMPLE RESULTS

Lab ID: L1213282-12
Client ID: DUP (SW-09)
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/25/12 10:15
Date Received: 07/25/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	--	1	07/26/12 11:30	07/27/12 14:58	1,9010B/9012A	JO
Nitrogen, Ammonia	0.120		mg/l	0.075	--	1	07/26/12 10:20	07/26/12 15:49	30,4500NH3-BH	JO
Nitrogen, Nitrate	0.17		mg/l	0.10	--	1	-	07/25/12 22:19	30,4500NO3-F	DB
Phosphorus, Total	0.053		mg/l	0.010	--	1	07/26/12 12:00	07/26/12 15:27	30,4500P-E	SD
Sulfide	ND		mg/l	0.10	--	1	07/30/12 12:30	07/30/12 13:54	1,9030B	MP
Total Organic Carbon	3.5		mg/l	1.0	--	2	-	07/31/12 08:00	1,9060	DW

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

SAMPLE RESULTS

Lab ID: L1213282-13
Client ID: SW-17
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/25/12 11:30
Date Received: 07/25/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	--	1	07/26/12 11:30	07/27/12 14:58	1,9010B/9012A	JO
Nitrogen, Ammonia	0.247		mg/l	0.075	--	1	07/26/12 10:20	07/26/12 15:50	30,4500NH3-BH	JO
Nitrogen, Nitrate	0.84		mg/l	0.10	--	1	-	07/25/12 22:22	30,4500NO3-F	DB
Phosphorus, Total	0.058		mg/l	0.020	--	2	07/26/12 12:00	07/26/12 15:29	30,4500P-E	SD
Sulfide	ND		mg/l	0.10	--	1	07/30/12 12:30	07/30/12 13:55	1,9030B	MP
Total Organic Carbon	3.7		mg/l	1.0	--	2	-	07/31/12 08:00	1,9060	DW

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

SAMPLE RESULTS

Lab ID: L1213282-14
Client ID: SW-04
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/25/12 13:05
Date Received: 07/25/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	--	1	07/26/12 11:30	07/27/12 14:59	1,9010B/9012A	JO
Nitrogen, Ammonia	0.188		mg/l	0.075	--	1	07/26/12 10:20	07/26/12 15:51	30,4500NH3-BH	JO
Nitrogen, Nitrate	0.94		mg/l	0.10	--	1	-	07/25/12 22:22	30,4500NO3-F	DB
Phosphorus, Total	0.086		mg/l	0.010	--	1	07/26/12 12:00	07/26/12 15:28	30,4500P-E	SD
Sulfide	ND		mg/l	0.10	--	1	07/30/12 12:30	07/30/12 13:55	1,9030B	MP
Total Organic Carbon	3.3		mg/l	1.0	--	2	-	07/31/12 08:00	1,9060	DW

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

SAMPLE RESULTS

Lab ID: L1213282-15
Client ID: SW-2
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/25/12 08:38
Date Received: 07/25/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	--	1	07/26/12 11:30	07/27/12 15:06	1,9010B/9012A	JO
Nitrogen, Ammonia	0.111		mg/l	0.075	--	1	07/26/12 10:20	07/26/12 15:52	30,4500NH3-BH	JO
Nitrogen, Nitrate	0.90		mg/l	0.10	--	1	-	07/25/12 22:23	30,4500NO3-F	DB
Phosphorus, Total	0.063		mg/l	0.010	--	1	07/26/12 12:00	07/26/12 15:16	30,4500P-E	SD
Sulfide	ND		mg/l	0.10	--	1	07/30/12 12:30	07/30/12 13:56	1,9030B	MP
Total Organic Carbon	3.0		mg/l	1.0	--	2	-	07/31/12 08:00	1,9060	DW

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

SAMPLE RESULTS

Lab ID: L1213282-16
Client ID: SW-1
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/25/12 09:00
Date Received: 07/25/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	--	1	07/26/12 11:30	07/27/12 15:07	1,9010B/9012A	JO
Nitrogen, Ammonia	0.120		mg/l	0.075	--	1	07/26/12 10:20	07/26/12 15:52	30,4500NH3-BH	JO
Nitrogen, Nitrate	0.24		mg/l	0.10	--	1	-	07/25/12 22:24	30,4500NO3-F	DB
Phosphorus, Total	0.101		mg/l	0.010	--	1	07/26/12 12:00	07/26/12 15:16	30,4500P-E	SD
Sulfide	ND		mg/l	0.10	--	1	07/30/12 12:30	07/30/12 16:07	1,9030B	MP
Total Organic Carbon	7.6		mg/l	1.0	--	2	-	07/31/12 08:00	1,9060	DW

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

SAMPLE RESULTS

Lab ID: L1213282-17
Client ID: SW-06
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/25/12 14:04
Date Received: 07/25/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	--	1	07/26/12 11:30	07/27/12 15:08	1,9010B/9012A	JO
Nitrogen, Ammonia	0.602		mg/l	0.075	--	1	07/26/12 10:20	07/26/12 15:53	30,4500NH3-BH	JO
Nitrogen, Nitrate	0.94		mg/l	0.10	--	1	-	07/25/12 22:24	30,4500NO3-F	DB
Phosphorus, Total	0.051		mg/l	0.010	--	1	07/26/12 12:00	07/26/12 15:16	30,4500P-E	SD
Sulfide	ND		mg/l	0.10	--	1	07/30/12 12:30	07/30/12 16:07	1,9030B	MP
Total Organic Carbon	3.4		mg/l	1.0	--	2	-	07/31/12 08:00	1,9060	DW

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

SAMPLE RESULTS

Lab ID: L1213282-18
Client ID: FIELD BLANK
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/25/12 08:40
Date Received: 07/25/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	--	1	07/26/12 11:30	07/27/12 15:09	1,9010B/9012A	JO
Nitrogen, Ammonia	ND		mg/l	0.075	--	1	07/26/12 10:20	07/26/12 15:54	30,4500NH3-BH	JO
Nitrogen, Nitrate	ND		mg/l	0.10	--	1	-	07/25/12 22:25	30,4500NO3-F	DB
Phosphorus, Total	ND		mg/l	0.010	--	1	07/26/12 12:00	07/26/12 15:17	30,4500P-E	SD
Sulfide	ND		mg/l	0.10	--	1	07/30/12 12:30	07/30/12 16:08	1,9030B	MP
Total Organic Carbon	ND		mg/l	0.50	--	1	-	07/31/12 08:00	1,9060	DW

Project Name: ROSE HILL LANDIFLL **Lab Number:** L1213282

Project Number: CJI-1747 **Report Date:** 08/03/12

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 11-18 Batch: WG550884-1										
Nitrogen, Nitrate	ND		mg/l	0.10	--	1	-	07/25/12 21:21	30,4500NO3-F	DB
General Chemistry - Westborough Lab for sample(s): 11-18 Batch: WG550966-1										
Nitrogen, Ammonia	ND		mg/l	0.075	--	1	07/26/12 10:20	07/26/12 15:36	30,4500NH3-BH	JO
General Chemistry - Westborough Lab for sample(s): 11-18 Batch: WG551015-1										
Cyanide, Total	ND		mg/l	0.005	--	1	07/26/12 11:30	07/27/12 14:40	1,9010B/9012A	JO
General Chemistry - Westborough Lab for sample(s): 11-18 Batch: WG551099-1										
Phosphorus, Total	ND		mg/l	0.010	--	1	07/26/12 12:00	07/26/12 15:08	30,4500P-E	SD
General Chemistry - Westborough Lab for sample(s): 11-18 Batch: WG551652-1										
Sulfide	ND		mg/l	0.10	--	1	07/30/12 12:30	07/30/12 13:51	1,9030B	MP
General Chemistry - Westborough Lab for sample(s): 11-18 Batch: WG551848-1										
Total Organic Carbon	ND		mg/l	0.50	--	1	-	07/31/12 08:00	1,9060	DW

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 11-18 Batch: WG550884-2								
Nitrogen, Nitrate	97		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 11-18 Batch: WG550966-2								
Nitrogen, Ammonia	86		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 11-18 Batch: WG551015-2 WG551015-3								
Cyanide, Total	112		114		80-120	2		20
General Chemistry - Westborough Lab Associated sample(s): 11-18 Batch: WG551099-2								
Phosphorus, Total	97		-		80-120	-		
General Chemistry - Westborough Lab Associated sample(s): 11-18 Batch: WG551652-2								
Sulfide	104		-		75-125	-		
General Chemistry - Westborough Lab Associated sample(s): 11-18 Batch: WG551848-2								
Total Organic Carbon	96		-		90-110	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747
Lab Number: L1213282
Report Date: 08/03/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 11-18 QC Batch ID: WG550884-4 QC Sample: L1213270-01 Client ID: MS Sample												
Nitrogen, Nitrate	ND	4	3.8	95		-	-		83-113	-		17
General Chemistry - Westborough Lab Associated sample(s): 11-18 QC Batch ID: WG550966-4 QC Sample: L1213254-02 Client ID: MS Sample												
Nitrogen, Ammonia	0.163	4	4.08	98		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 11-18 QC Batch ID: WG551015-4 WG551015-5 QC Sample: L1213182-14 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.217	108		0.218	109		80-120	0		20
General Chemistry - Westborough Lab Associated sample(s): 11-18 QC Batch ID: WG551099-3 QC Sample: L1213149-15 Client ID: MS Sample												
Phosphorus, Total	0.052	0.5	0.533	96		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 11-18 QC Batch ID: WG551652-4 QC Sample: L1213182-14 Client ID: MS Sample												
Sulfide	ND	0.53	0.44	83		-	-		70-130	-		20
General Chemistry - Westborough Lab Associated sample(s): 11-18 QC Batch ID: WG551848-4 QC Sample: L1213182-14 Client ID: MS Sample												
Total Organic Carbon	5.6	8	14	110		-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 11-18 QC Batch ID: WG550884-3 QC Sample: L1213270-01 Client ID: DUP Sample						
Nitrogen, Nitrate	ND	ND	mg/l	NC		17
General Chemistry - Westborough Lab Associated sample(s): 11-18 QC Batch ID: WG550966-3 QC Sample: L1213254-02 Client ID: DUP Sample						
Nitrogen, Ammonia	0.163	0.125	mg/l	**26**	Q	20
General Chemistry - Westborough Lab Associated sample(s): 11-18 QC Batch ID: WG551099-4 QC Sample: L1213149-15 Client ID: DUP Sample						
Phosphorus, Total	0.052	0.043	mg/l	19		20
General Chemistry - Westborough Lab Associated sample(s): 11-18 QC Batch ID: WG551652-3 QC Sample: L1213182-14 Client ID: DUP Sample						
Sulfide	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 11-18 QC Batch ID: WG551848-3 QC Sample: L1213182-14 Client ID: DUP Sample						
Total Organic Carbon	5.6	5.8	mg/l	4		20

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Cooler	Custody Seal
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1213282-01A	Vial HCl preserved	B	N/A	2	Y	Absent	8260(14)
L1213282-01B	Vial HCl preserved	B	N/A	2	Y	Absent	8260(14)
L1213282-01C	Amber 1000ml unpreserved	B	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213282-01D	Amber 1000ml unpreserved	B	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213282-01E	Plastic 250ml HNO3 preserved	B	<2	2	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180)
L1213282-02A	Vial HCl preserved	B	N/A	2	Y	Absent	8260(14)
L1213282-02B	Vial HCl preserved	B	N/A	2	Y	Absent	8260(14)
L1213282-02C	Vial HCl preserved	B	N/A	2	Y	Absent	8260(14)
L1213282-02D	Vial HCl preserved	B	N/A	2	Y	Absent	8260(14)
L1213282-02E	Vial HCl preserved	B	N/A	2	Y	Absent	8260(14)
L1213282-02F	Vial HCl preserved	B	N/A	2	Y	Absent	8260(14)
L1213282-02G	Amber 1000ml unpreserved	B	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213282-02H	Amber 1000ml unpreserved	B	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213282-02I	Amber 1000ml unpreserved	B	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213282-02J	Amber 1000ml unpreserved	B	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213282-02K	Amber 1000ml unpreserved	B	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213282-02L	Amber 1000ml unpreserved	B	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213282-02M	Plastic 250ml HNO3 preserved	B	<2	2	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180)

*Values in parentheses indicate holding time in days

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1213282-02N	Plastic 250ml HNO3 preserved	B	<2	2	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180)
L1213282-02O	Plastic 250ml HNO3 preserved	B	<2	2	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180)
L1213282-03A	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1213282-03B	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1213282-03C	Amber 1000ml unpreserved	C	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213282-03D	Amber 1000ml unpreserved	C	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213282-03E	Plastic 250ml HNO3 preserved	C	<2	2	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180)
L1213282-04A	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1213282-04B	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1213282-04C	Amber 1000ml unpreserved	C	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213282-04D	Amber 1000ml unpreserved	C	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213282-04E	Plastic 250ml HNO3 preserved	C	<2	2	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180)
L1213282-05A	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1213282-05B	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1213282-05C	Amber 1000ml unpreserved	C	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213282-05D	Amber 1000ml unpreserved	C	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213282-05E	Plastic 250ml HNO3 preserved	C	<2	2	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180)
L1213282-06A	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1213282-06B	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)

*Values in parentheses indicate holding time in days

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1213282-06C	Amber 1000ml unpreserved	C	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213282-06D	Amber 1000ml unpreserved	C	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213282-06E	Plastic 250ml HNO3 preserved	C	<2	2	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180)
L1213282-07A	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1213282-07B	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1213282-07C	Amber 1000ml unpreserved	C	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213282-07D	Amber 1000ml unpreserved	C	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213282-07E	Plastic 250ml HNO3 preserved	C	<2	2	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180)
L1213282-08A	Vial HCl preserved	B	N/A	2	Y	Absent	8260(14)
L1213282-08B	Vial HCl preserved	B	N/A	2	Y	Absent	8260(14)
L1213282-08C	Amber 1000ml unpreserved	B	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213282-08D	Amber 1000ml unpreserved	B	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213282-08E	Plastic 250ml HNO3 preserved	B	<2	2	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180)
L1213282-09A	Vial HCl preserved	A	N/A	3	Y	Absent	8260(14)
L1213282-09B	Vial HCl preserved	A	N/A	3	Y	Absent	8260(14)
L1213282-09C	Amber 1000ml unpreserved	A	7	3	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213282-09D	Amber 1000ml unpreserved	A	7	3	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213282-09E	Plastic 250ml HNO3 preserved	A	<2	3	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180)
L1213282-09Z	Plastic 250ml HNO3 preserved	A	<2	3	Y	Absent	8260(14)
L1213282-10A	Vial HCl preserved	A	N/A	3	Y	Absent	8260(14)
L1213282-10B	Vial HCl preserved	A	N/A	3	Y	Absent	8260(14)
L1213282-10C	Amber 1000ml unpreserved	A	7	3	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1213282-10D	Amber 1000ml unpreserved	A	7	3	Y	Absent	8270TCL(7),8270TCL-SIM(7)

*Values in parentheses indicate holding time in days

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1213282-10E	Plastic 250ml HNO3 preserved	A	<2	3	Y	Absent	BA-6020T(180),TL-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180)
L1213282-11A	Vial H2SO4 preserved	A	N/A	3	Y	Absent	TOC-9060(28)
L1213282-11B	Vial H2SO4 preserved	A	N/A	3	Y	Absent	TOC-9060(28)
L1213282-11C	Plastic 500ml unpreserved	A	7	3	Y	Absent	-
L1213282-11D	Plastic 500ml H2SO4 preserved	A	<2	3	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1213282-11E	Plastic 250ml unpreserved	A	7	3	Y	Absent	NO3-4500(2)
L1213282-11F	Plastic 250ml NaOH preserved	A	>12	3	Y	Absent	TCN-9010(14)
L1213282-11G	Plastic 250ml Zn Acetate/NaOH pr	A	>12	3	Y	Absent	SULFIDE-9030(7)
L1213282-11H	Plastic 250ml Zn Acetate/NaOH pr	A	>12	3	Y	Absent	SULFIDE-9030(7)
L1213282-11I	Plastic 250ml HNO3 preserved	A	<2	3	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT-6020(180)
L1213282-11J	Plastic 250ml HNO3 preserved	A	<2	3	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT-6020(180)
L1213282-11X	Plastic 250ml HNO3 preserved spl	A	<2	3	Y	Absent	CU-6020S(180),MN-6020S(180),ZN-6020S(180),CR-6020S(180),FE-6020S(180),NI-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),AL-6020S(180),CD-6020S(180)
L1213282-12A	Vial H2SO4 preserved	A	N/A	3	Y	Absent	TOC-9060(28)
L1213282-12B	Vial H2SO4 preserved	A	N/A	3	Y	Absent	TOC-9060(28)
L1213282-12C	Plastic 500ml unpreserved	A	7	3	Y	Absent	-
L1213282-12D	Plastic 500ml H2SO4 preserved	A	<2	3	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1213282-12E	Plastic 250ml unpreserved	A	7	3	Y	Absent	NO3-4500(2)
L1213282-12F	Plastic 250ml NaOH preserved	A	>12	3	Y	Absent	TCN-9010(14)
L1213282-12G	Plastic 250ml Zn Acetate/NaOH pr	A	>12	3	Y	Absent	SULFIDE-9030(7)
L1213282-12H	Plastic 250ml Zn Acetate/NaOH pr	A	>12	3	Y	Absent	SULFIDE-9030(7)

*Values in parentheses indicate holding time in days

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1213282-12I	Plastic 250ml HNO3 preserved	A	<2	3	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT-6020(180)
L1213282-12J	Plastic 250ml HNO3 preserved	A	<2	3	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT-6020(180)
L1213282-12X	Plastic 250ml HNO3 preserved spl	A	<2	3	Y	Absent	CU-6020S(180),MN-6020S(180),ZN-6020S(180),CR-6020S(180),FE-6020S(180),NI-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),AL-6020S(180),CD-6020S(180)
L1213282-13A	Vial H2SO4 preserved	C	N/A	2	Y	Absent	TOC-9060(28)
L1213282-13B	Vial H2SO4 preserved	C	N/A	2	Y	Absent	TOC-9060(28)
L1213282-13C	Plastic 500ml unpreserved	C	7	2	Y	Absent	-
L1213282-13D	Plastic 500ml H2SO4 preserved	C	<2	2	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1213282-13E	Plastic 250ml unpreserved	C	7	2	Y	Absent	NO3-4500(2)
L1213282-13F	Plastic 250ml NaOH preserved	C	>12	2	Y	Absent	TCN-9010(14)
L1213282-13G	Plastic 250ml Zn Acetate/NaOH pr	C	>12	2	Y	Absent	SULFIDE-9030(7)
L1213282-13H	Plastic 250ml Zn Acetate/NaOH pr	C	>12	2	Y	Absent	SULFIDE-9030(7)
L1213282-13I	Plastic 250ml HNO3 preserved	C	<2	2	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT-6020(180)
L1213282-13J	Plastic 250ml HNO3 preserved	C	<2	2	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT-6020(180)
L1213282-13X	Plastic 250ml HNO3 preserved spl	C	>12	2	Y	Absent	CU-6020S(180),MN-6020S(180),ZN-6020S(180),CR-6020S(180),FE-6020S(180),NI-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),AL-6020S(180),CD-6020S(180)
L1213282-14A	Vial H2SO4 preserved	C	N/A	2	Y	Absent	TOC-9060(28)
L1213282-14B	Vial H2SO4 preserved	C	N/A	2	Y	Absent	TOC-9060(28)
L1213282-14C	Plastic 500ml unpreserved	C	7	2	Y	Absent	-

*Values in parentheses indicate holding time in days

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1213282-14D	Plastic 500ml H2SO4 preserved	C	<2	2	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1213282-14E	Plastic 250ml unpreserved	C	7	2	Y	Absent	NO3-4500(2)
L1213282-14F	Plastic 250ml NaOH preserved	C	>12	2	Y	Absent	TCN-9010(14)
L1213282-14G	Plastic 250ml Zn Acetate/NaOH pr	C	>12	2	Y	Absent	SULFIDE-9030(7)
L1213282-14H	Plastic 250ml Zn Acetate/NaOH pr	C	>12	2	Y	Absent	SULFIDE-9030(7)
L1213282-14I	Plastic 250ml HNO3 preserved	C	<2	2	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT-6020(180)
L1213282-14J	Plastic 250ml HNO3 preserved	C	<2	2	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT-6020(180)
L1213282-14X	Plastic 250ml HNO3 preserved spl	C	<2	2	Y	Absent	CU-6020S(180),MN-6020S(180),ZN-6020S(180),CR-6020S(180),FE-6020S(180),NI-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),AL-6020S(180),CD-6020S(180)
L1213282-15A	Vial H2SO4 preserved	B	N/A	2	Y	Absent	TOC-9060(28)
L1213282-15B	Vial H2SO4 preserved	B	N/A	2	Y	Absent	TOC-9060(28)
L1213282-15C	Plastic 500ml unpreserved	B	7	2	Y	Absent	-
L1213282-15D	Plastic 500ml H2SO4 preserved	B	<2	2	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1213282-15E	Plastic 250ml unpreserved	B	7	2	Y	Absent	NO3-4500(2)
L1213282-15F	Plastic 250ml NaOH preserved	B	>12	2	Y	Absent	TCN-9010(14)
L1213282-15G	Plastic 250ml Zn Acetate/NaOH pr	B	>12	2	Y	Absent	SULFIDE-9030(7)
L1213282-15H	Plastic 250ml Zn Acetate/NaOH pr	B	>12	2	Y	Absent	SULFIDE-9030(7)
L1213282-15I	Plastic 250ml HNO3 preserved	B	<2	2	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT-6020(180)
L1213282-15J	Plastic 250ml HNO3 preserved	B	<2	2	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT-6020(180)

*Values in parentheses indicate holding time in days

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1213282-15X	Plastic 250ml HNO3 preserved spl	B	<2	2	Y	Absent	CU-6020S(180),MN-6020S(180),ZN-6020S(180),CR-6020S(180),FE-6020S(180),NI-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),AL-6020S(180),CD-6020S(180)
L1213282-16A	Vial H2SO4 preserved	B	N/A	2	Y	Absent	TOC-9060(28)
L1213282-16B	Vial H2SO4 preserved	B	N/A	2	Y	Absent	TOC-9060(28)
L1213282-16C	Plastic 500ml unpreserved	A	7	3	Y	Absent	-
L1213282-16D	Plastic 500ml H2SO4 preserved	B	<2	2	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1213282-16E	Plastic 250ml unpreserved	B	7	2	Y	Absent	NO3-4500(2)
L1213282-16F	Plastic 250ml NaOH preserved	B	>12	2	Y	Absent	TCN-9010(14)
L1213282-16G	Plastic 250ml Zn Acetate/NaOH pr	B	>12	2	Y	Absent	SULFIDE-9030(7)
L1213282-16H	Plastic 250ml Zn Acetate/NaOH pr	B	>12	2	Y	Absent	SULFIDE-9030(7)
L1213282-16I	Plastic 250ml HNO3 preserved	B	<2	2	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT-6020(180)
L1213282-16J	Plastic 250ml HNO3 preserved	B	<2	2	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT-6020(180)
L1213282-16X	Plastic 250ml HNO3 preserved spl	B	<2	2	Y	Absent	CU-6020S(180),MN-6020S(180),ZN-6020S(180),CR-6020S(180),FE-6020S(180),NI-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),AL-6020S(180),CD-6020S(180)
L1213282-17A	Vial H2SO4 preserved	B	N/A	2	Y	Absent	TOC-9060(28)
L1213282-17B	Vial H2SO4 preserved	B	N/A	2	Y	Absent	TOC-9060(28)
L1213282-17C	Plastic 500ml unpreserved	B	7	2	Y	Absent	-
L1213282-17D	Plastic 500ml H2SO4 preserved	B	<2	2	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1213282-17E	Plastic 250ml unpreserved	B	7	2	Y	Absent	NO3-4500(2)
L1213282-17F	Plastic 250ml NaOH preserved	B	>12	2	Y	Absent	TCN-9010(14)
L1213282-17G	Plastic 250ml Zn Acetate/NaOH pr	C	>12	2	Y	Absent	SULFIDE-9030(7)
L1213282-17H	Plastic 250ml Zn Acetate/NaOH pr	C	>12	2	Y	Absent	SULFIDE-9030(7)
L1213282-17I	Plastic 500ml HNO3 preserved	NA	NA		Y	Absent	HARDT-6020(180)

*Values in parentheses indicate holding time in days

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1213282-17J	Plastic 250ml HNO3 preserved	B	<2	2	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT-6020(180)
L1213282-17X	Plastic 250ml HNO3 preserved spl	B	<2	2	Y	Absent	CU-6020S(180),MN-6020S(180),ZN-6020S(180),CR-6020S(180),FE-6020S(180),NI-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),AL-6020S(180),CD-6020S(180)
L1213282-18A	Vial H2SO4 preserved	B	N/A	2	Y	Absent	TOC-9060(28)
L1213282-18B	Vial H2SO4 preserved	B	N/A	2	Y	Absent	TOC-9060(28)
L1213282-18C	Plastic 500ml unpreserved	B	7	2	Y	Absent	-
L1213282-18D	Plastic 500ml H2SO4 preserved	B	<2	2	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1213282-18E	Plastic 250ml unpreserved	B	7	2	Y	Absent	NO3-4500(2)
L1213282-18F	Plastic 250ml NaOH preserved	A	>12	3	Y	Absent	TCN-9010(14)
L1213282-18G	Plastic 250ml Zn Acetate/NaOH pr	B	>12	2	Y	Absent	SULFIDE-9030(7)
L1213282-18H	Plastic 250ml Zn Acetate/NaOH pr	B	>12	2	Y	Absent	SULFIDE-9030(7)
L1213282-18I	Plastic 250ml HNO3 preserved	B	<2	2	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT-6020(180)
L1213282-18J	Plastic 250ml HNO3 preserved	B	<2	2	Y	Absent	FE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HARDT-6020(180)
L1213282-18X	Plastic 250ml HNO3 preserved spl	B	<2	2	Y	Absent	CU-6020S(180),MN-6020S(180),ZN-6020S(180),CR-6020S(180),FE-6020S(180),NI-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),AL-6020S(180),CD-6020S(180)

Container Comments

L1213282-11E

L1213282-12E

L1213282-13E

L1213282-14E

*Values in parentheses indicate holding time in days

Project Name: ROSE HILL LANDIFLL
Project Number: CJI-1747

Lab Number: L1213282
Report Date: 08/03/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)

Container Comments

L1213282-15E

L1213282-16E

L1213282-17E

L1213282-18E

L1213282-18I

*Values in parentheses indicate holding time in days

Project Name:	ROSE HILL LANDIFLL	**Lab Number:**	L1213282
Project Number:	CJI-1747	**Report Date:**	08/03/12

GLOSSARY

Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
M	- Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
NJ	- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: Data Usability Report

Project Name:	ROSE HILL LANDIFLL	**Lab Number:**	L1213282
Project Number:	CJI-1747	**Report Date:**	08/03/12

Data Qualifiers

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	ROSE HILL LANDIFLL	**Lab Number:**	L1213282
Project Number:	CJI-1747	**Report Date:**	08/03/12

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 3, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8082, 8330, 8151A, 8260B, 8270C, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014A, 9030B, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7

for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010B, 6010C, 6020, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9030B, 9040B, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082, 8082A, 8081A, 8081B, 8151A, 8330, 8270C-SIM, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 6010C, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050, 9065,1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082, 8082A, 8081A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, 2540G, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 624, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012A, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C, 3546, 3580, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7471A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 245.2, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 3501., 350.2, 353.2, 420.1, 6010B, 6010C, 6020, 6020A, 7196A, 7470A, 9010B, 9030B, 9040B, Lachat 10-107-06-2-D, NJ-EPH, 2120B, 2310B, 2320B, 2340B, 2510C, 2540B, 2540C, 3500Cr-D, 436C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8330, 8015B,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010B, 6010C, 6020A, 7196A, 7471A, 7471B, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3630C, 5035, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 2..08, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5035, 3540C, 3546, 3550, 3580, 3630C, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease

CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 7.25.12

ALPHA Job #: L1213282

Client Information

Client: Louis Berger Group
Address: 295 Promenade Street
Providence, RI
Phone: 401 521-5980
Fax:
Email: shogan@louisberger.com

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Rose Hill Landfill
Project Location: South Kingstown, RI
Project #: CJI-1747
Project Manager: Chris Feeney
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: 8/1/12 Time:

Report Information

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Data Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program | Criteria

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC-8260	SVOCs-8270	Total Metals										Sample Specific Comments	Total # Bottles
13282-1	MW-4S	7/25	9.46	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
2	MW-4DO		10.19	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
2	MS (MW-4DO)		10.19	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
2	MDSD (MW-4DO)		10.19	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
3	MW-3BR		11.18	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
4	Duplicate,(MW-3BR)		11.18	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
5	MW-3S		11.57	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
6	MW-12S		12.41	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
7	MW-12DO		1.00	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
	~~Res#7~~			GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
				Container Type		V	A	P	-	-	-	-	-	-	-	-	-		
				Preservative		B	A	C	-	-	-	-	-	-	-	-	-		

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	7/25 3:56	[illegible]	7/25/12 16:40
[illegible]	7/25 18:35	[illegible]	7/25/12 18:35

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 29-APR-09)

Serial_No:08031219:57

CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 7.25.12

ALPHA Job #: L1213282

Client Information

Client: Louis Berger Group
Address: 295 Promenade Street
Providence, RI
Phone: 401 521-5980
Fax:
Email: shogan@louisberger.com

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Rose Hill Landfill
Project Location: South Kingstown, RI
Project #: CJI-1747
Project Manager: Chris Feeney
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: 8/1/12 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program | Criteria

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC-8260	SVOCs-8270	Total Metals										Sample Specific Comments	TOTAL # BOTTLES
8	Field Blank	7/25		GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
	~~Trip Blank~~					☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
9	RES #12		9:08	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
	~~MW-07-DO~~			~~GW~~	~~SH~~	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
10	MW-07-BR		1:28	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		

Container Type	V	A	P	-	-	-	-	-	-	-	-	-
Preservative	B	A	C	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
	7/25 3:21		7/25 K 1614
	7/25 19:35		7/25/12 1835

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 25-APR-09)

Serial_No:08031219:57

CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 7.25.12

ALPHA Job #: L1213282

Client Information

Client: Louis Berger Group
Address: 295 Promenade Street
Providence, RI
Phone: 401 521-5980
Fax:
Email: shogan@louisberger.com
☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Rose Hill Landfill
Project Location: South Kingstown, RI
Project #: CJI-1747
Project Manager: Chris Feeney
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)
Due Date: 8/1/12 Time:

Report Information / Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program | Criteria

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Sulfide	NH3, TPhos	TCN	TOC	NO3	Dissolved Metals	Total Metals	Hardness					Sample Specific Comments	TOTAL # BOTTLES
13282-11	SW-09	7/25	10:15	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		
12	DUP (SW-09)		10:15	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		
13	SW-17		11:30	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		
14	SW-04		1:05	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		
15	SW-2		8:38	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		
16	SW-1		9:00	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		
17	SW-06		2:04	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		
18	Field Blank		8:40		SH	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
Container Type						P	P	P	V	P	P	P	P	-	-	-	-		
Preservative						K	D	E	D	A	A	C	C	-	-	-	-		

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	7/25 3:56	[illegible]	7/25/12 16:42
[illegible]	7/25 18:35	Kate Morr	7/25/12 1835

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 29-APR-09)

Serial_No:08031219:57

ANALYTICAL REPORT

Lab Number:	L1213778
Client:	Louis A. Berger & Associates 295 Promenade Street Providence, RI 02908
ATTN:	Chris Feeney
Phone:	(401) 521-5980
Project Name:	ROSE HILL LANDFILL
Project Number:	CJI-1747
Report Date:	08/08/12

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), PA (68-02089), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), DOD (L2217.01), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213778
Report Date: 08/08/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1213778-01	GP-21	SOUTH KINGSTOWN, RI	08/01/12 13:35

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213778
Project Number: CJI-1747 **Report Date:** 08/08/12

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1213778
Project Number:	CJI-1747	**Report Date:**	08/08/12

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on July 31, 2012.

The canister certification results are provided as an addendum.

L1213778-01 The RPD of the pre- and post-flow controller calibration check (27% RPD) was outside acceptable limits (< or = 20% RPD).

L1213778-01 and WG552581-5 Duplicate have elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the samples.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kathleen M. O'Brien Kathleen O'Brien

Title: Technical Director/Representative Date: 08/08/12

AIR

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1213778
Report Date: 08/08/12

SAMPLE RESULTS

Lab ID: L1213778-01 D
Client ID: GP-21
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 08/02/12 18:46
Analyst: RY

Date Collected: 08/01/12 13:35
Date Received: 08/01/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	92.6	2.50	--	159	4.30	--		5
Dichlorodifluoromethane	1.04	1.00	--	5.14	4.94	--		5
Chloromethane	4.22	1.00	--	8.71	2.06	--		5
Freon-114	ND	1.00	--	ND	6.99	--		5
Vinyl chloride	ND	1.00	--	ND	2.56	--		5
1,3-Butadiene	ND	1.00	--	ND	2.21	--		5
Bromomethane	ND	1.00	--	ND	3.88	--		5
Chloroethane	ND	1.00	--	ND	2.64	--		5
Trichlorofluoromethane	ND	1.00	--	ND	5.62	--		5
1,1-Dichloroethene	ND	1.00	--	ND	3.96	--		5
Methylene chloride	ND	5.00	--	ND	17.4	--		5
Carbon disulfide	5.44	1.00	--	16.9	3.11	--		5
Freon-113	ND	1.00	--	ND	7.66	--		5
trans-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5
1,1-Dichloroethane	ND	1.00	--	ND	4.05	--		5
Methyl tert butyl ether	ND	1.00	--	ND	3.60	--		5
2-Butanone	228	1.00	--	672	2.95	--		5
cis-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5
Chloroform	ND	1.00	--	ND	4.88	--		5
1,2-Dichloroethane	ND	1.00	--	ND	4.05	--		5
n-Hexane	2.74	1.00	--	9.66	3.52	--		5
1,1,1-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Benzene	1.46	1.00	--	4.66	3.19	--		5
Carbon tetrachloride	ND	1.00	--	ND	6.29	--		5

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1213778
Report Date: 08/08/12

SAMPLE RESULTS

Lab ID: L1213778-01 D
Client ID: GP-21
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 08/01/12 13:35
Date Received: 08/01/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Cyclohexane	1.86	1.00	--	6.40	3.44	--		5
1,2-Dichloropropane	ND	1.00	--	ND	4.62	--		5
Trichloroethene	ND	1.00	--	ND	5.37	--		5
cis-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
trans-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
1,1,2-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Toluene	1.12	1.00	--	4.22	3.77	--		5
1,2-Dibromoethane	ND	1.00	--	ND	7.68	--		5
Tetrachloroethene	ND	1.00	--	ND	6.78	--		5
Chlorobenzene	ND	1.00	--	ND	4.60	--		5
Ethylbenzene	ND	1.00	--	ND	4.34	--		5
p/m-Xylene	ND	2.00	--	ND	8.69	--		5
Styrene	ND	1.00	--	ND	4.26	--		5
1,1,2,2-Tetrachloroethane	ND	1.00	--	ND	6.87	--		5
o-Xylene	ND	1.00	--	ND	4.34	--		5
1,3,5-Trimethybenzene	ND	1.00	--	ND	4.92	--		5
1,2,4-Trimethylbenzene	ND	1.00	--	ND	4.92	--		5
Benzyl chloride	ND	1.00	--	ND	5.18	--		5
1,3-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,4-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2,4-Trichlorobenzene	ND	1.00	--	ND	7.42	--		5
Hexachlorobutadiene	ND	1.00	--	ND	10.7	--		5

Project Name:	ROSE HILL LANDFILL	***Lab Number:***	L1213778
Project Number:	CJI-1747	***Report Date:***	08/08/12

SAMPLE RESULTS

Lab ID:	L1213778-01 D	Date Collected:	08/01/12 13:35
Client ID:	GP-21	Date Received:	08/01/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	94		60-140
Bromochloromethane	103		60-140
chlorobenzene-d5	100		60-140

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213778

Project Number: CJI-1747 **Report Date:** 08/08/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 08/02/12 13:30

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG552581-4								
Propylene	ND	0.500	--	ND	0.860	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213778

Project Number: CJI-1747 **Report Date:** 08/08/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 08/02/12 13:30

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG552581-4								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213778
Report Date: 08/08/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 08/02/12 13:30

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG552581-4								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213778
Report Date: 08/08/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG552581-3								
Chlorodifluoromethane	96		-		70-130	-		
Propylene	118		-		70-130	-		
Propane	90		-		70-130	-		
Dichlorodifluoromethane	87		-		70-130	-		
Chloromethane	104		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	99		-		70-130	-		
Methanol	93		-		70-130	-		
Vinyl chloride	108		-		70-130	-		
1,3-Butadiene	110		-		70-130	-		
Butane	99		-		70-130	-		
Bromomethane	105		-		70-130	-		
Chloroethane	108		-		70-130	-		
Ethyl Alcohol	102		-		70-130	-		
Dichlorofluoromethane	98		-		70-130	-		
Vinyl bromide	110		-		70-130	-		
Acrolein	100		-		70-130	-		
Acetone	102		-		70-130	-		
Acetonitrile	101		-		70-130	-		
Trichlorofluoromethane	111		-		70-130	-		
iso-Propyl Alcohol	118		-		70-130	-		
Acrylonitrile	103		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213778
Report Date: 08/08/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG552581-3								
Pentane	103		-		70-130	-		
Ethyl ether	97		-		70-130	-		
1,1-Dichloroethene	108		-		70-130	-		
tert-Butyl Alcohol	106		-		70-130	-		
Methylene chloride	104		-		70-130	-		
3-Chloropropene	114		-		70-130	-		
Carbon disulfide	108		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	112		-		70-130	-		
trans-1,2-Dichloroethene	100		-		70-130	-		
1,1-Dichloroethane	108		-		70-130	-		
Methyl tert butyl ether	112		-		70-130	-		
Vinyl acetate	118		-		70-130	-		
2-Butanone	102		-		70-130	-		
cis-1,2-Dichloroethene	116		-		70-130	-		
Ethyl Acetate	110		-		70-130	-		
Chloroform	108		-		70-130	-		
Tetrahydrofuran	113		-		70-130	-		
2,2-Dichloropropane	101		-		70-130	-		
1,2-Dichloroethane	108		-		70-130	-		
n-Hexane	89		-		70-130	-		
Isopropyl Ether	88		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213778
Report Date: 08/08/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG552581-3								
Ethyl-Tert-Butyl-Ether	91		-		70-130	-		
1,1,1-Trichloroethane	100		-		70-130	-		
1,1-Dichloropropene	96		-		70-130	-		
Benzene	96		-		70-130	-		
Carbon tetrachloride	103		-		70-130	-		
Cyclohexane	97		-		70-130	-		
Tertiary-Amyl Methyl Ether	94		-		70-130	-		
Dibromomethane	90		-		70-130	-		
1,2-Dichloropropane	97		-		70-130	-		
Bromodichloromethane	101		-		70-130	-		
1,4-Dioxane	97		-		70-130	-		
Trichloroethene	99		-		70-130	-		
2,2,4-Trimethylpentane	97		-		70-130	-		
Methyl methacrylate	124		-		70-130	-		
Heptane	93		-		70-130	-		
cis-1,3-Dichloropropene	108		-		70-130	-		
4-Methyl-2-pentanone	96		-		70-130	-		
trans-1,3-Dichloropropene	93		-		70-130	-		
1,1,2-Trichloroethane	102		-		70-130	-		
Toluene	103		-		70-130	-		
1,3-Dichloropropane	96		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213778
Report Date: 08/08/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG552581-3								
2-Hexanone	101		-		70-130	-		
Dibromochloromethane	107		-		70-130	-		
1,2-Dibromoethane	107		-		70-130	-		
Butyl Acetate	98		-		70-130	-		
Octane	99		-		70-130	-		
Tetrachloroethene	106		-		70-130	-		
1,1,1,2-Tetrachloroethane	106		-		70-130	-		
Chlorobenzene	106		-		70-130	-		
Ethylbenzene	106		-		70-130	-		
p/m-Xylene	106		-		70-130	-		
Bromoform	109		-		70-130	-		
Styrene	103		-		70-130	-		
1,1,2,2-Tetrachloroethane	108		-		70-130	-		
o-Xylene	109		-		70-130	-		
1,2,3-Trichloropropane	98		-		70-130	-		
Nonane (C9)	97		-		70-130	-		
Isopropylbenzene	104		-		70-130	-		
Bromobenzene	99		-		70-130	-		
o-Chlorotoluene	100		-		70-130	-		
n-Propylbenzene	102		-		70-130	-		
p-Chlorotoluene	100		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213778
Report Date: 08/08/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG552581-3								
4-Ethyltoluene	96		-		70-130	-		
1,3,5-Trimethylbenzene	107		-		70-130	-		
tert-Butylbenzene	104		-		70-130	-		
1,2,4-Trimethylbenzene	110		-		70-130	-		
Decane (C10)	100		-		70-130	-		
Benzyl chloride	113		-		70-130	-		
1,3-Dichlorobenzene	108		-		70-130	-		
1,4-Dichlorobenzene	107		-		70-130	-		
sec-Butylbenzene	103		-		70-130	-		
p-Isopropyltoluene	98		-		70-130	-		
1,2-Dichlorobenzene	110		-		70-130	-		
n-Butylbenzene	107		-		70-130	-		
1,2-Dibromo-3-chloropropane	112		-		70-130	-		
Undecane	107		-		70-130	-		
Dodecane (C12)	119		-		70-130	-		
1,2,4-Trichlorobenzene	115		-		70-130	-		
Naphthalene	108		-		70-130	-		
1,2,3-Trichlorobenzene	109		-		70-130	-		
Hexachlorobutadiene	108		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213778
Report Date: 08/08/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG552581-5 QC Sample: L1213778-01 Client ID: GP-21						
Propylene	92.6	92.4	ppbV	0		25
Dichlorodifluoromethane	1.04	ND	ppbV	NC		25
Chloromethane	4.22	4.06	ppbV	4		25
Freon-114	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Trichlorofluoromethane	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
Carbon disulfide	5.44	5.42	ppbV	0		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	228	225	ppbV	1		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
Chloroform	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213778
Report Date: 08/08/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG552581-5 QC Sample: L1213778-01 Client ID: GP-21					
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	2.74	2.62	ppbV	4	25
1,1,1-Trichloroethane	ND	ND	ppbV	NC	25
Benzene	1.46	1.44	ppbV	1	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Cyclohexane	1.86	1.80	ppbV	3	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Trichloroethene	ND	ND	ppbV	NC	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	1.12	1.00	ppbV	11	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	ND	ND	ppbV	NC	25
p/m-Xylene	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213778
Report Date: 08/08/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG552581-5 QC Sample: L1213778-01 Client ID: GP-21					
o-Xylene	ND	ND	ppbV	NC	25
1,3,5-Trimethybenzene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC	25
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Project Name: ROSE HILL LANDFILL

Lab Number: L1213778

Project Number: CJI-1747

Report Date: 08/08/12

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1213778-01	GP-21	0369	#20 SV	07/31/12	79912		-	-	-	Pass	8.9	11.7	27
L1213778-01	GP-21	1724	2.7L Can	07/31/12	79912	L1212467-01	Pass	-28.1	-2.0	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1212467

Project Number: CANISTER QC BAT **Report Date:** 08/08/12

Air Canister Certification Results

Lab ID:	L1212467-01	Date Collected:	07/12/12 15:33
Client ID:	CAN 169 SHELF 11	Date Received:	07/13/12
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15		
Analytical Date:	07/17/12 16:22		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.860	--		1
Propane	ND	0.200	--	ND	0.361	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1212467

Project Number: CANISTER QC BAT **Report Date:** 08/08/12

Air Canister Certification Results

Lab ID: L1212467-01 Date Collected: 07/12/12 15:33

Client ID: CAN 169 SHELF 11 Date Received: 07/13/12

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1212467

Project Number: CANISTER QC BAT **Report Date:** 08/08/12

Air Canister Certification Results

Lab ID: L1212467-01 Date Collected: 07/12/12 15:33

Client ID: CAN 169 SHELF 11 Date Received: 07/13/12

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1212467

Project Number: CANISTER QC BAT **Report Date:** 08/08/12

Air Canister Certification Results

Lab ID: L1212467-01 Date Collected: 07/12/12 15:33

Client ID: CAN 169 SHELF 11 Date Received: 07/13/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	105		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	99		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1212467

Project Number: CANISTER QC BAT **Report Date:** 08/08/12

Air Canister Certification Results

Lab ID:	L1212467-01	Date Collected:	07/12/12 15:33
Client ID:	CAN 169 SHELF 11	Date Received:	07/13/12
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	07/16/12 20:45		
Analyst:	MB		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1212467

Project Number: CANISTER QC BAT **Report Date:** 08/08/12

Air Canister Certification Results

Lab ID: L1212467-01 Date Collected: 07/12/12 15:33

Client ID: CAN 169 SHELF 11 Date Received: 07/13/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Trichloroethene	ND	0.020	--	ND	0.107	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1212467

Project Number: CANISTER QC BAT **Report Date:** 08/08/12

Air Canister Certification Results

Lab ID: L1212467-01 Date Collected: 07/12/12 15:33

Client ID: CAN 169 SHELF 11 Date Received: 07/13/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	80		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	79		60-140

AIR Petro Can Certification

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1212467

Project Number: CANISTER QC BAT **Report Date:** 08/08/12

AIR CAN CERTIFICATION RESULTS

Lab ID:	L1212467-01	Date Collected:	07/12/12 15:33
Client ID:	CAN 169 SHELF 11	Date Received:	07/13/12
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	07/16/12 20:45		
Analyst:	MB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	--	1
Methyl tert butyl ether	ND		ug/m3	2.0	--	1
Benzene	ND		ug/m3	2.0	--	1
Toluene	ND		ug/m3	2.0	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/m3	12	--	1
Ethylbenzene	ND		ug/m3	2.0	--	1
p/m-Xylene	ND		ug/m3	4.0	--	1
o-Xylene	ND		ug/m3	2.0	--	1
Naphthalene	ND		ug/m3	2.0	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	14	--	1
C9-C10 Aromatics Total	ND		ug/m3	10	--	1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1213778
Report Date: 08/08/12

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information

Cooler	Custody Seal
N/A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1213778-01A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1213778
Project Number:	CJI-1747	**Report Date:**	08/08/12

GLOSSARY

Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
M	- Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
NJ	- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: Data Usability Report

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1213778
Project Number:	CJI-1747	**Report Date:**	08/08/12

Data Qualifiers

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: ROSE HILL LANDFILL **Lab Number:** L1213778
Project Number: CJI-1747 **Report Date:** 08/08/12

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 3, 2012 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable). Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Titanium, Vanadium, Zinc, Total Organic Carbon, Corrosivity, TCLP 1311, SPLP 1312. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, SM2540G.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 180.1, 245.7, 1631E, 3020A, 6020A, 7470A, 9040, 9050A, SM2320B, 2540D, 2540G, 4500H-B, Organic Parameters: EPA 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 5030B, 8015D, 3570, 8081B, 8082A, 8260B, 8270C, 8270D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 1311, 3050B, 3051A, 3060A, 6020A, 7196A, 7470A, 7471B, 7474, 9040B, 9045C, 9060. Organic Parameters: EPA 3540C, 3570, 3580A, 3630C, 3640A, 3660, 3665A, 5035, 8015D, 8081B, 8082A, 8260B, 8270C, 8270D.)

Biological Tissue (Inorganic Parameters: EPA 6020A. Organic Parameters: EPA 3570, 3510C, 3610B, 3630C, 3640A, 8270C, 8270D.)

Air & Emissions (EPA TO-15.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 180.1, 1631E, 6020A, 7470A, 9040B, 9050A, SM2540D, 2540G, 4500H+B, 2320B, 3020A, . Organic Parameters: EPA 3510C, 3630C, 3640A, 3660B, 8081B, 8082A, 8270C, 8270D, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 3050B, 3051A, 6020A, 7471B, 9040B, 9045C. Organic Parameters: SW-846 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 8270C, 8015D, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3020A, SM2320B, SM2540D, 2540G, 4500H-B, EPA 180.1, 1631E, SW-846 7470A, 9040C, 6020A, 9050A. Organic Parameters: SW-846 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 8015D, 8081B, 8082A, 8270C, 8270D)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 1312, 3050B, 3051A, 6020A, 7471B, 7474, 9040B, 9040C, 9045C, 9045D, 9060. Organic Parameters: SW-846 3540C, 3570, 3580A, 3630C, 3640A, 3660B, 3665A, 8081B, 8082A, 8270C, 8270D, 8015D.)

Atmospheric Organic Parameters (EPA 3C, TO-15, TO-10A, TO-13A-SIM.)

Biological Tissue (Inorganic Parameters: SW-846 6020A. Organic Parameters: SW-846 8270C, 8270D, 3510C, 3570, 3610C, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. ***NELAP Accredited.*** -

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, 6020A, 1631E, 7470A, 9050A, EPA 180.1, 3020A. Organic Parameters: EPA 8270C, 8270D, 8081B, 8082A, 3510C.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020A, 7471B, 7474, 9040C, 9045D. Organic Parameters: EPA 8270C, 8270D, 8081B, 8082A, 1311, 3050B, 3580A, 3570, 3051A.)

Air & Emissions (EPA TO-15, TO-10A.)

Pennsylvania Certificate/Lab ID: 68-02089 ***NELAP Accredited*** -

Non-Potable Water (Inorganic Parameters: 1312, 1631E, 180.1, 3020A, 6020A, 7470A, 9040B, 9050A, 2320B, 2540D, 2540G, SM4500H+-B. Organic Parameters: 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 8015D, 8081B, 8082A, 8270C, 8270D .)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 3051A, 6020A, 7471B, 7474 9040B, 9045C, 9060. Organic Parameters: EPA3050B, 3540C, 3570, 3580A, 3630C, 3640A, 3660B, 3665A, 8270C, 8270D, 8081B, 8015D, 8082A.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. ***NELAP Accredited via NJ-DEP.*** -

Refer to NJ-DEP Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. ***NELAP Accredited.*** -

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID:460194. ***NELAP Accredited.*** -

Non-Potable Water (Inorganic Parameters:EPA 3020A, 6020A, 245.7, 9040B. Organic Parameters: EPA 3510C, 3640A, 3660B, 3665A, 8270C, 8270D, 8082A, 8081B, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020A,7470A,7471B,9040B,9045C,3050B,3051, 9060. Organic Parameters: EPA 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 3570, 8270C, 8270D, 8081B, 8082A, 8015D.)

Washington State Department of Ecology Certificate/Lab ID: C954. *Non-Potable Water* (Inorganic Parameters: SM2540D, 180.1, 1631E.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 7474, 9045C, 9050A, 9060. Organic Parameters: EPA 8081, 8082, 8015, 8270.)

U.S. Army Corps of Engineers

Department of Defense, L-A-B Certificate/Lab ID: L2217.01.

Non-Potable Water (Inorganic Parameters: EPA 6020A, SM4500H-B. Organic Parameters: 3020A, 3510C, 8270C, 8270D, 8270C-ALK-PAH, 8270D-ALK-PAH, 8082A, 8081B, 8015D-SHC, 8015D.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 3050B, 6020A, 7471A, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580A, 3570, 3540C, 8270C, 8270D, 8270C-ALK-PAH, 8270D-ALK-PAH 8082A, 8081B, 8015D-SHC, 8015D.

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **8270C:** Biphenyl. **TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 2-Methylnaphthalene, 1-Methylnaphthalene.

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

ALPHA ANALYTICAL

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: L1213778

Project Information

Project Name: Rose Hill Landfill

Project Location: South Kingstown, RI

Project #: CJI-1747

Project Manager: Chris Feeney

ALPHA Quote #:

Turn-Around-Time

☒ Standard ☐ Rush (only confirmed if pre-approved)

Date Due: Time:

Report/Data Deliverables Information

☐ FAX ☐ EMAIL

☒ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Client Information

Client: Louis Berger

Address: 295 Promenade Street

Providence, RI 02908

Phone: 401 521-5980

Fax:

Email: shogan@louisberger.com

☐ These samples have been Previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Analysis

All Columns Below Must Be Filled Out

Alpha Lab Use Only	Sample ID	Collection Date	Collection Start Time	Collection End Time	Collection Initial Vac	Collection Final Vac	Sample Matrix*	Sampler Initials	Can Size	ID Can	ID Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Specific Comments (i.e. PID)
L1213778-01	GP-21	8/1/12	9:32	1:35	-28.1	-0.00	SV	SH	2.7L	1724	0369	☐	☒	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
Container Type												-	-	-	-	-	-	-	

***SAMPLE MATRIX CODES:**

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Relinquished By	Date/Time	Received By:	Date/Time
[illegible]	8/1/12 3:27	[illegible]	8-1-12 15:45
[illegible]	8/1-12 16:20	S Hoffman	8/1/12 16:20

Please print clearly & legibly and completely. Samples can not be logged in and turn around time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

Form 101-02 (I)
Revised 29-Dec-09

ANALYTICAL REPORT

Lab Number:	L1219040
Client:	Louis A. Berger & Associates 295 Promenade Street Providence, RI 02908
ATTN:	Chris Feeney
Phone:	(401) 521-5980
Project Name:	ROSE HILL LANDFILL
Project Number:	CJI-1747
Report Date:	10/31/12

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), PA (68-02089), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), DOD (L2217.01), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1219040
Report Date: 10/31/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1219040-01	GP-18	SOUTH KINGSTON, RI	10/18/12 15:02
L1219040-02	GP-16	SOUTH KINGSTON, RI	10/18/12 15:01
L1219040-03	GP-11	SOUTH KINGSTON, RI	10/18/12 15:11
L1219040-04	DUP (GP-11)	SOUTH KINGSTON, RI	10/18/12 15:11
L1219040-05	FIELD BLANK	SOUTH KINGSTON, RI	10/18/12 14:48
L1219040-06	GP-21	SOUTH KINGSTON, RI	10/18/12 14:49
L1219040-07	GF	SOUTH KINGSTON, RI	10/18/12 14:53

Project Name: ROSE HILL LANDFILL **Lab Number:** L1219040
Project Number: CJI-1747 **Report Date:** 10/31/12

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: ROSE HILL LANDFILL **Lab Number:** L1219040
Project Number: CJI-1747 **Report Date:** 10/31/12

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on October 12, 2012.

The canister certification results are provided as an addendum.

L1219040-06, -07 and WG569448-5 Duplicate have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

L1219040-06 was re-analyzed on dilution in order to quantitate the sample within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound that exceeded the calibration range.

The WG569448-3 LCS recovery for 1,2,4-Trichlorobenzene (134%) is above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of these analytes.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kathleen M. O'Brien Kathleen O'Brien

Title: Technical Director/Representative Date: 10/31/12

AIR

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1219040
Report Date: 10/31/12

SAMPLE RESULTS

Lab ID:	L1219040-01	Date Collected:	10/18/12 15:02
Client ID:	GP-18	Date Received:	10/22/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15		
Analytical Date:	10/24/12 19:45		
Analyst:	MB		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Propylene	6.65	0.500	--	11.4	0.860	--		1
Dichlorodifluoromethane	0.460	0.200	--	2.27	0.989	--		1
Chloromethane	0.628	0.200	--	1.30	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Trichlorofluoromethane	0.219	0.200	--	1.23	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	1.55	0.200	--	4.83	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	33.5	0.200	--	98.8	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.266	0.200	--	0.937	0.705	--		1
1,1,1-Trichloroethane	0.396	0.200	--	2.16	1.09	--		1
Benzene	0.203	0.200	--	0.648	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1219040
Report Date: 10/31/12

SAMPLE RESULTS

Lab ID: L1219040-01
Client ID: GP-18
Sample Location: SOUTH KINGSTON, RI
Date Collected: 10/18/12 15:02
Date Received: 10/22/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.329	0.200	--	1.24	0.754	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name:	ROSE HILL LANDFILL	***Lab Number:***	L1219040
Project Number:	CJI-1747	***Report Date:***	10/31/12

SAMPLE RESULTS

Lab ID:	L1219040-01	Date Collected:	10/18/12 15:02
Client ID:	GP-18	Date Received:	10/22/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	80		60-140
Bromochloromethane	82		60-140
chlorobenzene-d5	73		60-140

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1219040
Report Date: 10/31/12

SAMPLE RESULTS

Lab ID: L1219040-02
Client ID: GP-16
Sample Location: SOUTH KINGSTON, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/24/12 20:19
Analyst: MB

Date Collected: 10/18/12 15:01
Date Received: 10/22/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	12.2	0.500	--	21.0	0.860	--		1
Dichlorodifluoromethane	0.498	0.200	--	2.46	0.989	--		1
Chloromethane	0.789	0.200	--	1.63	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Trichlorofluoromethane	0.236	0.200	--	1.33	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	0.304	0.200	--	0.947	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	38.4	0.200	--	113	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.456	0.200	--	1.61	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.356	0.200	--	1.14	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1219040
Report Date: 10/31/12

SAMPLE RESULTS

Lab ID: L1219040-02
Client ID: GP-16
Sample Location: SOUTH KINGSTON, RI
Date Collected: 10/18/12 15:01
Date Received: 10/22/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.63	0.200	--	6.14	0.754	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	0.467	0.400	--	2.03	1.74	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.258	0.200	--	1.12	0.869	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.791	0.200	--	3.89	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1219040
Report Date: 10/31/12

SAMPLE RESULTS

Lab ID: L1219040-02
Client ID: GP-16
Sample Location: SOUTH KINGSTON, RI
Date Collected: 10/18/12 15:01
Date Received: 10/22/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	72		60-140
Bromochloromethane	76		60-140
chlorobenzene-d5	64		60-140

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1219040
Report Date: 10/31/12

SAMPLE RESULTS

Lab ID: L1219040-03
Client ID: GP-11
Sample Location: SOUTH KINGSTON, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/24/12 20:53
Analyst: MB

Date Collected: 10/18/12 15:11
Date Received: 10/22/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	1.25	0.500	--	2.15	0.860	--		1
Dichlorodifluoromethane	0.934	0.200	--	4.62	0.989	--		1
Chloromethane	0.536	0.200	--	1.11	0.413	--		1
Freon-114	0.613	0.200	--	4.28	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Trichlorofluoromethane	0.309	0.200	--	1.74	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	0.231	0.200	--	0.719	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	2.66	0.200	--	7.84	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.288	0.200	--	1.02	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.472	0.200	--	1.51	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1219040
Report Date: 10/31/12

SAMPLE RESULTS

Lab ID: L1219040-03
Client ID: GP-11
Sample Location: SOUTH KINGSTON, RI
Date Collected: 10/18/12 15:11
Date Received: 10/22/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	2.41	0.200	--	9.08	0.754	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	0.492	0.400	--	2.14	1.74	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.239	0.200	--	1.04	0.869	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.423	0.200	--	2.08	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name:	ROSE HILL LANDFILL	***Lab Number:***	L1219040
Project Number:	CJI-1747	***Report Date:***	10/31/12

SAMPLE RESULTS

Lab ID:	L1219040-03	Date Collected:	10/18/12 15:11
Client ID:	GP-11	Date Received:	10/22/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	80		60-140
Bromochloromethane	79		60-140
chlorobenzene-d5	70		60-140

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1219040
Report Date: 10/31/12

SAMPLE RESULTS

Lab ID: L1219040-04
Client ID: DUP (GP-11)
Sample Location: SOUTH KINGSTON, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/24/12 21:27
Analyst: MB

Date Collected: 10/18/12 15:11
Date Received: 10/22/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	4.96	0.500	--	8.54	0.860	--		1
Dichlorodifluoromethane	1.31	0.200	--	6.48	0.989	--		1
Chloromethane	0.715	0.200	--	1.48	0.413	--		1
Freon-114	0.613	0.200	--	4.28	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Trichlorofluoromethane	0.205	0.200	--	1.15	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	0.380	0.200	--	1.18	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	10.6	0.200	--	31.3	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.230	0.200	--	0.810	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.323	0.200	--	1.03	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1219040
Report Date: 10/31/12

SAMPLE RESULTS

Lab ID: L1219040-04
Client ID: DUP (GP-11)
Sample Location: SOUTH KINGSTON, RI
Date Collected: 10/18/12 15:11
Date Received: 10/22/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.635	0.200	--	2.39	0.754	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1219040
Report Date: 10/31/12

SAMPLE RESULTS

Lab ID: L1219040-04
Client ID: DUP (GP-11)
Sample Location: SOUTH KINGSTON, RI
Date Collected: 10/18/12 15:11
Date Received: 10/22/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	111		60-140
Bromochloromethane	110		60-140
chlorobenzene-d5	93		60-140

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1219040
Report Date: 10/31/12

SAMPLE RESULTS

Lab ID: L1219040-05
Client ID: FIELD BLANK
Sample Location: SOUTH KINGSTON, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/24/12 19:12
Analyst: MB

Date Collected: 10/18/12 14:48
Date Received: 10/22/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	ND	0.500	--	ND	0.860	--		1
Dichlorodifluoromethane	0.460	0.200	--	2.27	0.989	--		1
Chloromethane	0.512	0.200	--	1.06	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Trichlorofluoromethane	0.221	0.200	--	1.24	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1219040
Report Date: 10/31/12

SAMPLE RESULTS

Lab ID: L1219040-05
Client ID: FIELD BLANK
Sample Location: SOUTH KINGSTON, RI
Date Collected: 10/18/12 14:48
Date Received: 10/22/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1219040
Report Date: 10/31/12

SAMPLE RESULTS

Lab ID: L1219040-05
Client ID: FIELD BLANK
Sample Location: SOUTH KINGSTON, RI
Date Collected: 10/18/12 14:48
Date Received: 10/22/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	81		60-140
Bromochloromethane	81		60-140
chlorobenzene-d5	79		60-140

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1219040
Report Date: 10/31/12

SAMPLE RESULTS

Lab ID: L1219040-06 D
Client ID: GP-21
Sample Location: SOUTH KINGSTON, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/24/12 22:00
Analyst: MB

Date Collected: 10/18/12 14:49
Date Received: 10/22/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	52.1	1.00	--	89.7	1.72	--		2
Dichlorodifluoromethane	0.420	0.400	--	2.08	1.98	--		2
Chloromethane	2.13	0.400	--	4.40	0.826	--		2
Freon-114	ND	0.400	--	ND	2.80	--		2
Vinyl chloride	ND	0.400	--	ND	1.02	--		2
1,3-Butadiene	ND	0.400	--	ND	0.885	--		2
Bromomethane	ND	0.400	--	ND	1.55	--		2
Chloroethane	ND	0.400	--	ND	1.06	--		2
Trichlorofluoromethane	ND	0.400	--	ND	2.25	--		2
1,1-Dichloroethene	ND	0.400	--	ND	1.58	--		2
Methylene chloride	ND	2.00	--	ND	6.95	--		2
Carbon disulfide	1.46	0.400	--	4.55	1.24	--		2
Freon-113	ND	0.400	--	ND	3.06	--		2
trans-1,2-Dichloroethene	ND	0.400	--	ND	1.58	--		2
1,1-Dichloroethane	ND	0.400	--	ND	1.62	--		2
Methyl tert butyl ether	ND	0.400	--	ND	1.44	--		2
2-Butanone	203	0.400	--	599	1.18	--	E	2
cis-1,2-Dichloroethene	ND	0.400	--	ND	1.58	--		2
Chloroform	ND	0.400	--	ND	1.95	--		2
1,2-Dichloroethane	ND	0.400	--	ND	1.62	--		2
n-Hexane	1.56	0.400	--	5.50	1.41	--		2
1,1,1-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Benzene	0.808	0.400	--	2.58	1.28	--		2
Carbon tetrachloride	ND	0.400	--	ND	2.52	--		2

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1219040
Report Date: 10/31/12

SAMPLE RESULTS

Lab ID: L1219040-06 D
Client ID: GP-21
Sample Location: SOUTH KINGSTON, RI
Date Collected: 10/18/12 14:49
Date Received: 10/22/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Cyclohexane	ND	0.400	--	ND	1.38	--		2
1,2-Dichloropropane	ND	0.400	--	ND	1.85	--		2
Trichloroethene	ND	0.400	--	ND	2.15	--		2
cis-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
trans-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Toluene	0.768	0.400	--	2.89	1.51	--		2
1,2-Dibromoethane	ND	0.400	--	ND	3.07	--		2
Tetrachloroethene	ND	0.400	--	ND	2.71	--		2
Chlorobenzene	ND	0.400	--	ND	1.84	--		2
Ethylbenzene	ND	0.400	--	ND	1.74	--		2
p/m-Xylene	ND	0.800	--	ND	3.47	--		2
Styrene	ND	0.400	--	ND	1.70	--		2
1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.75	--		2
o-Xylene	ND	0.400	--	ND	1.74	--		2
1,3,5-Trimethybenzene	ND	0.400	--	ND	1.97	--		2
1,2,4-Trimethylbenzene	ND	0.400	--	ND	1.97	--		2
Benzyl chloride	ND	0.400	--	ND	2.07	--		2
1,3-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,4-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2,4-Trichlorobenzene	ND	0.400	--	ND	2.97	--		2
Hexachlorobutadiene	ND	0.400	--	ND	4.27	--		2

Project Name:	ROSE HILL LANDFILL	***Lab Number:***	L1219040
Project Number:	CJI-1747	***Report Date:***	10/31/12

SAMPLE RESULTS

Lab ID:	L1219040-06 D	Date Collected:	10/18/12 14:49
Client ID:	GP-21	Date Received:	10/22/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	84		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	74		60-140

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1219040
Report Date: 10/31/12

SAMPLE RESULTS

Lab ID:	L1219040-06 D2	Date Collected:	10/18/12 14:49
Client ID:	GP-21	Date Received:	10/22/12
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15		
Analytical Date:	10/26/12 20:21		
Analyst:	MB		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
2-Butanone	154	1.00	--	454	2.95	--		5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	83		60-140
Bromochloromethane	109		60-140
chlorobenzene-d5	77		60-140

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1219040
Report Date: 10/31/12

SAMPLE RESULTS

Lab ID: L1219040-07 D
Client ID: GF
Sample Location: SOUTH KINGSTON, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/25/12 09:25
Analyst: MB

Date Collected: 10/18/12 14:53
Date Received: 10/22/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	46.1	1.00	--	79.3	1.72	--		2
Dichlorodifluoromethane	2.82	0.400	--	13.9	1.98	--		2
Chloromethane	1.01	0.400	--	2.08	0.826	--		2
Freon-114	1.31	0.400	--	9.16	2.80	--		2
Vinyl chloride	120	0.400	--	307	1.02	--		2
1,3-Butadiene	ND	0.400	--	ND	0.885	--		2
Bromomethane	ND	0.400	--	ND	1.55	--		2
Chloroethane	10.1	0.400	--	26.6	1.06	--		2
Trichlorofluoromethane	ND	0.400	--	ND	2.25	--		2
1,1-Dichloroethene	ND	0.400	--	ND	1.58	--		2
Methylene chloride	ND	2.00	--	ND	6.95	--		2
Carbon disulfide	0.428	0.400	--	1.33	1.24	--		2
Freon-113	ND	0.400	--	ND	3.06	--		2
trans-1,2-Dichloroethene	ND	0.400	--	ND	1.58	--		2
1,1-Dichloroethane	0.738	0.400	--	2.99	1.62	--		2
Methyl tert butyl ether	ND	0.400	--	ND	1.44	--		2
2-Butanone	111	0.400	--	327	1.18	--		2
cis-1,2-Dichloroethene	7.06	0.400	--	28.0	1.58	--		2
Chloroform	ND	0.400	--	ND	1.95	--		2
1,2-Dichloroethane	ND	0.400	--	ND	1.62	--		2
n-Hexane	6.93	0.400	--	24.4	1.41	--		2
1,1,1-Trichloroethane	0.944	0.400	--	5.15	2.18	--		2
Benzene	0.672	0.400	--	2.15	1.28	--		2
Carbon tetrachloride	ND	0.400	--	ND	2.52	--		2

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1219040
Report Date: 10/31/12

SAMPLE RESULTS

Lab ID: L1219040-07 D
Client ID: GF
Sample Location: SOUTH KINGSTON, RI
Date Collected: 10/18/12 14:53
Date Received: 10/22/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Cyclohexane	2.08	0.400	--	7.16	1.38	--		2
1,2-Dichloropropane	ND	0.400	--	ND	1.85	--		2
Trichloroethene	ND	0.400	--	ND	2.15	--		2
cis-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
trans-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Toluene	0.506	0.400	--	1.91	1.51	--		2
1,2-Dibromoethane	ND	0.400	--	ND	3.07	--		2
Tetrachloroethene	ND	0.400	--	ND	2.71	--		2
Chlorobenzene	ND	0.400	--	ND	1.84	--		2
Ethylbenzene	ND	0.400	--	ND	1.74	--		2
p/m-Xylene	ND	0.800	--	ND	3.47	--		2
Styrene	ND	0.400	--	ND	1.70	--		2
1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.75	--		2
o-Xylene	ND	0.400	--	ND	1.74	--		2
1,3,5-Trimethybenzene	ND	0.400	--	ND	1.97	--		2
1,2,4-Trimethylbenzene	ND	0.400	--	ND	1.97	--		2
Benzyl chloride	ND	0.400	--	ND	2.07	--		2
1,3-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,4-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2,4-Trichlorobenzene	ND	0.400	--	ND	2.97	--		2
Hexachlorobutadiene	ND	0.400	--	ND	4.27	--		2

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1219040
Report Date: 10/31/12

SAMPLE RESULTS

Lab ID: L1219040-07 D
Client ID: GF
Sample Location: SOUTH KINGSTON, RI
Date Collected: 10/18/12 14:53
Date Received: 10/22/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	84		60-140
Bromochloromethane	105		60-140
chlorobenzene-d5	82		60-140

Project Name: ROSE HILL LANDFILL **Lab Number:** L1219040

Project Number: CJI-1747 **Report Date:** 10/31/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 10/24/12 15:37

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-07 Batch: WG569448-4								
Propylene	ND	0.500	--	ND	0.860	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1219040

Project Number: CJI-1747 **Report Date:** 10/31/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 10/24/12 15:37

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-07 Batch: WG569448-4								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1219040
Report Date: 10/31/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 10/24/12 15:37

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-07 Batch: WG569448-4								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
No Tentatively Identified Compounds					

Project Name: ROSE HILL LANDFILL **Lab Number:** L1219040

Project Number: CJI-1747 **Report Date:** 10/31/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 10/26/12 15:11

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 06 Batch: WG569448-9								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1219040
Report Date: 10/31/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 10/26/12 15:11

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 06 Batch: WG569448-9								
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1219040
Report Date: 10/31/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 10/26/12 15:11

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 06 Batch: WG569448-9								
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
No Tentatively Identified Compounds					

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1219040
Report Date: 10/31/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 Batch: WG569448-3								
Chlorodifluoromethane	78		-		70-130	-		
Propylene	95		-		70-130	-		
Propane	74		-		70-130	-		
Dichlorodifluoromethane	95		-		70-130	-		
Chloromethane	98		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	98		-		70-130	-		
Methanol	**153**	Q	-		70-130	-		
Vinyl chloride	99		-		70-130	-		
1,3-Butadiene	94		-		70-130	-		
Butane	84		-		70-130	-		
Bromomethane	96		-		70-130	-		
Chloroethane	95		-		70-130	-		
Ethyl Alcohol	85		-		70-130	-		
Dichlorofluoromethane	81		-		70-130	-		
Vinyl bromide	90		-		70-130	-		
Acrolein	85		-		70-130	-		
Acetone	93		-		70-130	-		
Acetonitrile	90		-		70-130	-		
Trichlorofluoromethane	99		-		70-130	-		
iso-Propyl Alcohol	98		-		70-130	-		
Acrylonitrile	88		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1219040
Report Date: 10/31/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 Batch: WG569448-3								
Pentane	85		-		70-130	-		
Ethyl ether	90		-		70-130	-		
1,1-Dichloroethene	101		-		70-130	-		
tert-Butyl Alcohol	91		-		70-130	-		
Methylene chloride	98		-		70-130	-		
3-Chloropropene	94		-		70-130	-		
Carbon disulfide	90		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	99		-		70-130	-		
trans-1,2-Dichloroethene	89		-		70-130	-		
1,1-Dichloroethane	88		-		70-130	-		
Methyl tert butyl ether	82		-		70-130	-		
Vinyl acetate	92		-		70-130	-		
2-Butanone	91		-		70-130	-		
cis-1,2-Dichloroethene	110		-		70-130	-		
Ethyl Acetate	99		-		70-130	-		
Chloroform	100		-		70-130	-		
Tetrahydrofuran	89		-		70-130	-		
2,2-Dichloropropane	80		-		70-130	-		
1,2-Dichloroethane	98		-		70-130	-		
n-Hexane	90		-		70-130	-		
Isopropyl Ether	86		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1219040
Report Date: 10/31/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 Batch: WG569448-3								
Ethyl-Tert-Butyl-Ether	86		-		70-130	-		
1,1,1-Trichloroethane	99		-		70-130	-		
1,1-Dichloropropene	87		-		70-130	-		
Benzene	97		-		70-130	-		
Carbon tetrachloride	96		-		70-130	-		
Cyclohexane	92		-		70-130	-		
Tertiary-Amyl Methyl Ether	84		-		70-130	-		
Dibromomethane	84		-		70-130	-		
1,2-Dichloropropane	105		-		70-130	-		
Bromodichloromethane	94		-		70-130	-		
1,4-Dioxane	97		-		70-130	-		
Trichloroethene	95		-		70-130	-		
2,2,4-Trimethylpentane	95		-		70-130	-		
Methyl methacrylate	93		-		70-130	-		
Heptane	94		-		70-130	-		
cis-1,3-Dichloropropene	108		-		70-130	-		
4-Methyl-2-pentanone	100		-		70-130	-		
trans-1,3-Dichloropropene	92		-		70-130	-		
1,1,2-Trichloroethane	106		-		70-130	-		
Toluene	97		-		70-130	-		
1,3-Dichloropropane	85		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1219040
Report Date: 10/31/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 Batch: WG569448-3								
2-Hexanone	99		-		70-130	-		
Dibromochloromethane	91		-		70-130	-		
1,2-Dibromoethane	101		-		70-130	-		
Butyl Acetate	92		-		70-130	-		
Octane	81		-		70-130	-		
Tetrachloroethene	94		-		70-130	-		
1,1,1,2-Tetrachloroethane	83		-		70-130	-		
Chlorobenzene	101		-		70-130	-		
Ethylbenzene	105		-		70-130	-		
p/m-Xylene	105		-		70-130	-		
Bromoform	92		-		70-130	-		
Styrene	104		-		70-130	-		
1,1,2,2-Tetrachloroethane	115		-		70-130	-		
o-Xylene	114		-		70-130	-		
1,2,3-Trichloropropane	93		-		70-130	-		
Nonane (C9)	89		-		70-130	-		
Isopropylbenzene	92		-		70-130	-		
Bromobenzene	88		-		70-130	-		
o-Chlorotoluene	87		-		70-130	-		
n-Propylbenzene	91		-		70-130	-		
p-Chlorotoluene	92		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1219040
Report Date: 10/31/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 Batch: WG569448-3								
4-Ethyltoluene	94		-		70-130	-		
1,3,5-Trimethylbenzene	109		-		70-130	-		
tert-Butylbenzene	93		-		70-130	-		
1,2,4-Trimethylbenzene	114		-		70-130	-		
Decane (C10)	97		-		70-130	-		
Benzyl chloride	103		-		70-130	-		
1,3-Dichlorobenzene	113		-		70-130	-		
1,4-Dichlorobenzene	114		-		70-130	-		
sec-Butylbenzene	93		-		70-130	-		
p-Isopropyltoluene	88		-		70-130	-		
1,2-Dichlorobenzene	116		-		70-130	-		
n-Butylbenzene	99		-		70-130	-		
1,2-Dibromo-3-chloropropane	103		-		70-130	-		
Undecane	104		-		70-130	-		
Dodecane (C12)	122		-		70-130	-		
1,2,4-Trichlorobenzene	**134**	Q	-		70-130	-		
Naphthalene	104		-		70-130	-		
1,2,3-Trichlorobenzene	109		-		70-130	-		
Hexachlorobutadiene	122		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1219040
Report Date: 10/31/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 06 Batch: WG569448-8								
Dichlorodifluoromethane	92		-		70-130	-		
Chloromethane	93		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	93		-		70-130	-		
Vinyl chloride	91		-		70-130	-		
1,3-Butadiene	85		-		70-130	-		
Bromomethane	91		-		70-130	-		
Chloroethane	88		-		70-130	-		
Ethyl Alcohol	84		-		70-130	-		
Vinyl bromide	86		-		70-130	-		
Acetone	93		-		70-130	-		
Trichlorofluoromethane	93		-		70-130	-		
iso-Propyl Alcohol	97		-		70-130	-		
1,1-Dichloroethene	97		-		70-130	-		
tert-Butyl Alcohol	87		-		70-130	-		
Methylene chloride	94		-		70-130	-		
3-Chloropropene	88		-		70-130	-		
Carbon disulfide	86		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	97		-		70-130	-		
trans-1,2-Dichloroethene	87		-		70-130	-		
1,1-Dichloroethane	84		-		70-130	-		
Methyl tert butyl ether	80		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1219040
Report Date: 10/31/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 06 Batch: WG569448-8								
2-Butanone	91		-		70-130	-		
cis-1,2-Dichloroethene	105		-		70-130	-		
Chloroform	98		-		70-130	-		
Tetrahydrofuran	89		-		70-130	-		
1,2-Dichloroethane	95		-		70-130	-		
n-Hexane	85		-		70-130	-		
1,1,1-Trichloroethane	94		-		70-130	-		
Benzene	94		-		70-130	-		
Carbon tetrachloride	92		-		70-130	-		
Cyclohexane	87		-		70-130	-		
1,2-Dichloropropane	102		-		70-130	-		
Bromodichloromethane	92		-		70-130	-		
1,4-Dioxane	94		-		70-130	-		
Trichloroethene	95		-		70-130	-		
2,2,4-Trimethylpentane	92		-		70-130	-		
Methyl methacrylate	90		-		70-130	-		
Heptane	89		-		70-130	-		
cis-1,3-Dichloropropene	104		-		70-130	-		
4-Methyl-2-pentanone	99		-		70-130	-		
trans-1,3-Dichloropropene	89		-		70-130	-		
1,1,2-Trichloroethane	104		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1219040
Report Date: 10/31/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 06 Batch: WG569448-8								
Toluene	99		-		70-130	-		
Dibromochloromethane	96		-		70-130	-		
1,2-Dibromoethane	104		-		70-130	-		
Tetrachloroethene	98		-		70-130	-		
Chlorobenzene	105		-		70-130	-		
Ethylbenzene	106		-		70-130	-		
p/m-Xylene	108		-		70-130	-		
Bromoform	95		-		70-130	-		
Styrene	108		-		70-130	-		
1,1,2,2-Tetrachloroethane	120		-		70-130	-		
o-Xylene	116		-		70-130	-		
o-Chlorotoluene	91		-		70-130	-		
4-Ethyltoluene	99		-		70-130	-		
1,3,5-Trimethylbenzene	115		-		70-130	-		
1,2,4-Trimethylbenzene	120		-		70-130	-		
1,3-Dichlorobenzene	121		-		70-130	-		
1,4-Dichlorobenzene	121		-		70-130	-		
1,2-Dichlorobenzene	124		-		70-130	-		
1,2,4-Trichlorobenzene	**144**	Q	-		70-130	-		
Hexachlorobutadiene	129		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1219040
Report Date: 10/31/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG569448-5 QC Sample: L1219040-07 Client ID: GF						
Propylene	46.1	40.3	ppbV	13		25
Dichlorodifluoromethane	2.82	2.64	ppbV	7		25
Chloromethane	1.01	0.926	ppbV	9		25
Freon-114	1.31	1.26	ppbV	4		25
Vinyl chloride	120	113	ppbV	6		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	10.1	9.11	ppbV	10		25
Trichlorofluoromethane	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
Carbon disulfide	0.428	ND	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	0.738	0.680	ppbV	8		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	111	125	ppbV	12		25
cis-1,2-Dichloroethene	7.06	6.69	ppbV	5		25
Chloroform	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1219040
Report Date: 10/31/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG569448-5 QC Sample: L1219040-07 Client ID: GF					
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	6.93	6.91	ppbV	0	25
1,1,1-Trichloroethane	0.944	0.928	ppbV	2	25
Benzene	0.672	0.692	ppbV	3	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Cyclohexane	2.08	2.00	ppbV	4	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Trichloroethene	ND	ND	ppbV	NC	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	0.506	0.556	ppbV	9	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	ND	ND	ppbV	NC	25
p/m-Xylene	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1219040
Report Date: 10/31/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG569448-5 QC Sample: L1219040-07 Client ID: GF					
o-Xylene	ND	ND	ppbV	NC	25
1,3,5-Trimethybenzene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC	25
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Project Name: ROSE HILL LANDFILL

Lab Number: L1219040

Project Number: CJI-1747

Report Date: 10/31/12

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1219040-01	GP-18	0480	#16 AMB	10/12/12	82108		-	-	-	Pass	9.0	8.7	3
L1219040-01	GP-18	163	2.7L Can	10/12/12	82108	L1216615-02	Pass	-28.6	-5.8	-	-	-	-
L1219040-02	GP-16	0015	#20 SV	10/12/12	82108		-	-	-	Pass	9.0	8.6	5
L1219040-02	GP-16	527	2.7L Can	10/12/12	82108	L1216615-02	Pass	-28.3	-5.6	-	-	-	-
L1219040-03	GP-11	0226	#20 SV	10/17/12	82156		-	-	-	Pass	9.0	8.6	5
L1219040-03	GP-11	490	2.7L Can	10/12/12	82108	L1216615-02	Pass	-28.8	-5.5	-	-	-	-
L1219040-04	DUP (GP-11)	0231	#20 SV	10/12/12	82108		-	-	-	Pass	9.0	8.8	2
L1219040-04	DUP (GP-11)	232	2.7L Can	10/12/12	82108	L1216615-02	Pass	-28.8	-4.9	-	-	-	-
L1219040-05	FIELD BLANK	0437	#16 SV	10/12/12	82108		-	-	-	Pass	9.0	8.4	7
L1219040-05	FIELD BLANK	233	2.7L Can	10/12/12	82108	L1216615-02	Pass	-28.8	-5.2	-	-	-	-
L1219040-06	GP-21	0407	#20 SV	10/12/12	82108		-	-	-	Pass	8.9	8.6	3
L1219040-06	GP-21	225	2.7L Can	10/12/12	82108	L1216615-02	Pass	-28.7	-6.3	-	-	-	-
L1219040-07	GF	0093	#20 AMB	10/12/12	82108		-	-	-	Pass	9.0	8.6	5
L1219040-07	GF	550	2.7L Can	10/12/12	82108	L1216615-02	Pass	-28.0	-3.1	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1216615
Report Date: 10/31/12

Air Canister Certification Results

Lab ID: L1216615-02
Client ID: CAN 113 SHELF 10
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 09/18/12 18:32
Analyst: MB

Date Collected: 09/17/12 15:42
Date Received: 09/18/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.860	--		1
Propane	ND	0.200	--	ND	0.361	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1216615

Project Number: CANISTER QC BAT **Report Date:** 10/31/12

Air Canister Certification Results

Lab ID: L1216615-02 Date Collected: 09/17/12 15:42

Client ID: CAN 113 SHELF 10 Date Received: 09/18/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1216615

Project Number: CANISTER QC BAT **Report Date:** 10/31/12

Air Canister Certification Results

Lab ID: L1216615-02 Date Collected: 09/17/12 15:42

Client ID: CAN 113 SHELF 10 Date Received: 09/18/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1216615

Project Number: CANISTER QC BAT **Report Date:** 10/31/12

Air Canister Certification Results

Lab ID: L1216615-02 Date Collected: 09/17/12 15:42

Client ID: CAN 113 SHELF 10 Date Received: 09/18/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
No Tentatively Identified Compounds					

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1216615

Project Number: CANISTER QC BAT **Report Date:** 10/31/12

Air Canister Certification Results

Lab ID: L1216615-02 Date Collected: 09/17/12 15:42

Client ID: CAN 113 SHELF 10 Date Received: 09/18/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	83		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1216615
Report Date: 10/31/12

Air Canister Certification Results

Lab ID: L1216615-02
Client ID: CAN 113 SHELF 10
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/19/12 19:53
Analyst: RY

Date Collected: 09/17/12 15:42
Date Received: 09/18/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1216615

Project Number: CANISTER QC BAT **Report Date:** 10/31/12

Air Canister Certification Results

Lab ID: L1216615-02 Date Collected: 09/17/12 15:42

Client ID: CAN 113 SHELF 10 Date Received: 09/18/12

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1216615

Project Number: CANISTER QC BAT **Report Date:** 10/31/12

Air Canister Certification Results

Lab ID: L1216615-02 Date Collected: 09/17/12 15:42

Client ID: CAN 113 SHELF 10 Date Received: 09/18/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	93		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	94		60-140

AIR Petro Can Certification

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1216615

Project Number: CANISTER QC BAT **Report Date:** 10/31/12

AIR CAN CERTIFICATION RESULTS

Lab ID:	L1216615-02	Date Collected:	09/17/12 15:42
Client ID:	CAN 113 SHELF 10	Date Received:	09/18/12
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	09/19/12 19:53		
Analyst:	RY		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	--	1
Methyl tert butyl ether	ND		ug/m3	2.0	--	1
Benzene	ND		ug/m3	2.0	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/m3	12	--	1
Toluene	ND		ug/m3	2.0	--	1
Ethylbenzene	ND		ug/m3	2.0	--	1
p/m-Xylene	ND		ug/m3	4.0	--	1
o-Xylene	ND		ug/m3	2.0	--	1
Naphthalene	ND		ug/m3	2.0	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	14	--	1
C9-C10 Aromatics Total	ND		ug/m3	10	--	1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1219040
Report Date: 10/31/12

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler	
N/A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1219040-01A	Canister - 2.7 Liter	N/A	NA		Y	Absent	TO15-LL(30)
L1219040-02A	Canister - 2.7 Liter	N/A	NA		Y	Absent	TO15-LL(30)
L1219040-03A	Canister - 2.7 Liter	N/A	NA		Y	Absent	TO15-LL(30)
L1219040-04A	Canister - 2.7 Liter	N/A	NA		Y	Absent	TO15-LL(30)
L1219040-05A	Canister - 2.7 Liter	N/A	NA		Y	Absent	TO15-LL(30)
L1219040-06A	Canister - 2.7 Liter	N/A	NA		Y	Absent	TO15-LL(30)
L1219040-07A	Canister - 2.7 Liter	N/A	NA		Y	Absent	TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1219040
Project Number:	CJI-1747	**Report Date:**	10/31/12

GLOSSARY

Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
M	- Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
NJ	- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: Data Usability Report

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1219040
Project Number:	CJI-1747	**Report Date:**	10/31/12

Data Qualifiers

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 3, 2012 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable). Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Titanium, Vanadium, Zinc, Total Organic Carbon, Corrosivity, TCLP 1311, SPLP 1312. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, SM2540G.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 180.1, 245.7, 1631E, 3020A, 6020A, 7470A, 9040, 9050A, SM2320B, 2540D, 2540G, 4500H-B, Organic Parameters: EPA 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 5030B, 8015D, 3570, 8081B, 8082A, 8260B, 8270C, 8270D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 1311, 3050B, 3051A, 3060A, 6020A, 7196A, 7470A, 7471B, 7474, 9040B, 9045C, 9060. Organic Parameters: EPA 3540C, 3570, 3580A, 3630C, 3640A, 3660, 3665A, 5035, 8015D, 8081B, 8082A, 8260B, 8270C, 8270D.)

Biological Tissue (Inorganic Parameters: EPA 6020A. Organic Parameters: EPA 3570, 3510C, 3610B, 3630C, 3640A, 8270C, 8270D.)

Air & Emissions (EPA TO-15.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 180.1, 1631E, 6020A, 7470A, 9040B, 9050A, SM2540D, 2540G, 4500H+B, 2320B, 3020A, . Organic Parameters: EPA 3510C, 3630C, 3640A, 3660B, 8081B, 8082A, 8270C, 8270D, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 3050B, 3051A, 6020A, 7471B, 9040B, 9045C. Organic Parameters: SW-846 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 8270C, 8015D, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3020A, SM2320B, SM2540D, 2540G, 4500H-B, EPA 180.1, 1631E, SW-846 7470A, 9040C, 6020A, 9050A. Organic Parameters: SW-846 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 8015D, 8081B, 8082A, 8270C, 8270D)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 1312, 3050B, 3051A, 6020A, 7471B, 7474, 9040B, 9040C, 9045C, 9045D, 9060. Organic Parameters: SW-846 3540C, 3570, 3580A, 3630C, 3640A, 3660B, 3665A, 8081B, 8082A, 8270C, 8270D, 8015D.)

Atmospheric Organic Parameters (EPA 3C, TO-15, TO-10A, TO-13A-SIM.)

Biological Tissue (Inorganic Parameters: SW-846 6020A. Organic Parameters: SW-846 8270C, 8270D, 3510C, 3570, 3610C, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. ***NELAP Accredited.*** -

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, 6020A, 1631E, 7470A, 9050A, EPA 180.1, 3020A. Organic Parameters: EPA 8270C, 8270D, 8081B, 8082A, 3510C.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020A, 7471B, 7474, 9040C, 9045D. Organic Parameters: EPA 8270C, 8270D, 8081B, 8082A, 1311, 3050B, 3580A, 3570, 3051A.)

Air & Emissions (EPA TO-15, TO-10A.)

Pennsylvania Certificate/Lab ID: 68-02089 ***NELAP Accredited*** -

Non-Potable Water (Inorganic Parameters: 1312, 1631E, 180.1, 3020A, 6020A, 7470A, 9040B, 9050A, 2320B, 2540D, 2540G, SM4500H+-B. Organic Parameters: 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 8015D, 8081B, 8082A, 8270C, 8270D .)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 3051A, 6020A, 7471B, 7474 9040B, 9045C, 9060. Organic Parameters: EPA3050B, 3540C, 3570, 3580A, 3630C, 3640A, 3660B, 3665A, 8270C, 8270D, 8081B, 8015D, 8082A.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. ***NELAP Accredited via NJ-DEP.*** -

Refer to NJ-DEP Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. ***NELAP Accredited.*** -

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID:460194. ***NELAP Accredited.*** -

Non-Potable Water (Inorganic Parameters:EPA 3020A, 6020A, 245.7, 9040B. Organic Parameters: EPA 3510C, 3640A, 3660B, 3665A, 8270C, 8270D, 8082A, 8081B, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020A,7470A,7471B,9040B,9045C,3050B,3051, 9060. Organic Parameters: EPA 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 3570, 8270C, 8270D, 8081B, 8082A, 8015D.)

Washington State Department of Ecology Certificate/Lab ID: C954. *Non-Potable Water* (Inorganic Parameters: SM2540D, 180.1, 1631E.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 7474, 9045C, 9050A, 9060. Organic Parameters: EPA 8081, 8082, 8015, 8270.)

U.S. Army Corps of Engineers

Department of Defense, L-A-B Certificate/Lab ID: L2217.01.

Non-Potable Water (Inorganic Parameters: EPA 6020A, SM4500H-B. Organic Parameters: 3020A, 3510C, 8270C, 8270D, 8270C-ALK-PAH, 8270D-ALK-PAH, 8082A, 8081B, 8015D-SHC, 8015D.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 3050B, 6020A, 7471A, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580A, 3570, 3540C, 8270C, 8270D, 8270C-ALK-PAH, 8270D-ALK-PAH 8082A, 8081B, 8015D-SHC, 8015D.

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **8270C:** Biphenyl. **TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 2-Methylnaphthalene, 1-Methylnaphthalene.

AIR ANALYSIS
CHAIN OF CUSTODY

ALPHA ANALYTICAL
320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: L1219040

Project Information
Project Name: Rose Hil Landfilll
Project Location: South Kingstown, RI
Project #: CJI-1747
Project Manager: Chris Feeney
ALPHA Quote #:

Client Information
Client: Louis Berger
Address: 295 Promenade Street
Providence, RI 02908
Phone: 401 521-5980
Fax:
Email: shogan@louisberger.com

Turn-Around-Time
☒ Standard ☐ Rush (only confirmed if pre-approved)
Date Due: Time:

☐ These samples have been Previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Report/Data Deliverables Information
☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information
☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Analysis

All Columns Below Must Be Filled Out

Alpha Lab Use Only	Sample ID	Collection Date	Collection Start Time	Collection End Time	Initial Vac	Final Vac	Sample Matrix*	Sampler Initials	Can Size	ID Can	ID Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Specific Comments (i.e. PID)
19040.1	GP-18	10/1812	10:58	3:02	-28.6	-6.33	SV	SH	2.7L	163	0480	☐	☒	☐	☐	☐	☐	☐	
2	GP-16	10/18/12	11:00	3:01	-28.3	-5.80	SV	SH	2.7L	527	0015	☐	☒	☐	☐	☐	☐	☐	
3	GP-11	10/18/12	11:11	3:11	-28.8	-6.4	SV	SH	2.7L	490	0226	☐	☒	☐	☐	☐	☐	☐	
4	DUP (GP-11)	10/18/12	11:11	3:11	-28.8	-5.39	~~AA~~ SV	SH	2.7L	232	0231	☐	☒	☐	☐	☐	☐	☐	
5	Field Blank	10/18/12	10:40	2:48	-28.8	-6.26	SV	SH	2.7L	233	0437	☐	☒	☐	☐	☐	☐	☐	
6	GP-21	10/18/12	10:47	2:49	-28.7	-5.91	SV	SH	2.7L	225	0407	☐	☒	☐	☐	☐	☐	☐	
											Container Type	-	-	-	-	-	-	-	

SAMPLE MATRIX CODES:

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Relinquished By	Date/Time	Received By:	Date/Time
[illegible]	10/22 11:20	[illegible]	10/22/12 11:20
[illegible]	10/22/12 1240	[illegible]	10/22/12 1240

Please print clearly & legibly and completely. Samples can not be logged in and turn around time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

Form 101-02 (I)
Revised 29-Dec-09

AIR ANALYSIS

CHAIN OF CUSTODY

ALPHA ANALYTICAL
320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: L1219040

Client Information

Client: Louis Berger
Address: 295 Promenade Street
Providence, RI 02908
Phone: 401 521-5980
Fax:
Email: shogan@louisberger.com

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Rose Hill Landfill
Project Location: South Kingstown, RI
Project #: CJI-1747
Project Manager: Chris Feeney
ALPHA Quote #:

Turn-Around-Time

☒ Standard ☐ Rush (only confirmed if pre-approved)

Date Due: Time:

Report/Data Deliverables Information

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Other Project Specific Requirements/Comments:

Analysis

All Columns Below Must Be Filled Out

Alpha Lab Use Only	Sample ID	Collection Date	Collection Start Time	Collection End Time	Collection Initial Vac	Collection Final Vac	Sample Matrix*	Sampler Initials	Can Size	ID Can	ID Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Specific Comments (i.e. PID)
1904017	GF	10/18/12	10:52	2:53		-25	SV	SH	2.7L		0093	☐	☒	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
											Container Type	-	-	-	-	-	-	-	

***SAMPLE MATRIX CODES:**

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Relinquished By	Date/Time	Received By:	Date/Time
	10/22 1052	MCM	10/22/12 1130
MCM	10/22/12 1240		10/22/12 1240

Please print clearly & legibly and completely. Samples can not be logged in and turn around time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

Form 101-02 (I)
Revised 29-Dec-09

ANALYTICAL REPORT

Lab Number:	L1301660
Client:	Louis A. Berger & Associates 295 Promenade Street Providence, RI 02908
ATTN:	Chris Feeney
Phone:	(401) 521-5980
Project Name:	ROSE HILL LANDFILL
Project Number:	CJI-1747
Report Date:	02/07/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), PA (68-02089), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), DOD (L2217.01), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1301660
Report Date: 02/07/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1301660-01	GP-18	SOUTH KINGSTON, RI	01/18/13 14:54
L1301660-02	GP-16	SOUTH KINGSTON, RI	01/18/13 14:55
L1301660-03	FIELD BLANK	SOUTH KINGSTON, RI	01/18/13 14:42
L1301660-04	GP-21	SOUTH KINGSTON, RI	01/18/13 14:43
L1301660-05	GF	SOUTH KINGSTON, RI	01/18/13 14:46

Project Name: ROSE HILL LANDFILL **Lab Number:** L1301660
Project Number: CJI-1747 **Report Date:** 02/07/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: ROSE HILL LANDFILL **Lab Number:** L1301660
Project Number: CJI-1747 **Report Date:** 02/07/13

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on January 15, 2013. The canister certification results are provided as an addendum.

L1301660-05 The RPD of the pre- and post-flow controller calibration check (69% RPD) was outside of the control limit (20% RPD). The initial flow rate for the flow controller was 8.9 mL/minute; the final flow rate was 18.3 mL/minute. The final pressure recorded by the laboratory of the associated canister was +2.0 inches of mercury.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 02/07/13

AIR

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1301660
Report Date: 02/07/13

SAMPLE RESULTS

Lab ID: L1301660-01
Client ID: GP-18
Sample Location: SOUTH KINGSTON, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 01/30/13 00:20
Analyst: MB

Date Collected: 01/18/13 14:54
Date Received: 01/29/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	4.64	0.500	--	7.99	0.861	--		1
Dichlorodifluoromethane	0.370	0.200	--	1.83	0.989	--		1
Chloromethane	0.554	0.200	--	1.14	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Trichlorofluoromethane	0.259	0.200	--	1.46	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	10.8	0.200	--	31.9	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.207	0.200	--	0.661	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1301660
Report Date: 02/07/13

SAMPLE RESULTS

Lab ID: L1301660-01
Client ID: GP-18
Sample Location: SOUTH KINGSTON, RI
Date Collected: 01/18/13 14:54
Date Received: 01/29/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1301660
Report Date: 02/07/13

SAMPLE RESULTS

Lab ID: L1301660-01
Client ID: GP-18
Sample Location: SOUTH KINGSTON, RI
Date Collected: 01/18/13 14:54
Date Received: 01/29/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	81		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	81		60-140

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1301660
Report Date: 02/07/13

SAMPLE RESULTS

Lab ID: L1301660-02
Client ID: GP-16
Sample Location: SOUTH KINGSTON, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 01/30/13 00:51
Analyst: MB

Date Collected: 01/18/13 14:55
Date Received: 01/29/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	3.58	0.500	--	6.16	0.861	--		1
Dichlorodifluoromethane	0.333	0.200	--	1.65	0.989	--		1
Chloromethane	0.589	0.200	--	1.22	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Trichlorofluoromethane	0.250	0.200	--	1.40	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	8.25	0.200	--	24.3	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1301660
Report Date: 02/07/13

SAMPLE RESULTS

Lab ID: L1301660-02
Client ID: GP-16
Sample Location: SOUTH KINGSTON, RI
Date Collected: 01/18/13 14:55
Date Received: 01/29/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1301660
Report Date: 02/07/13

SAMPLE RESULTS

Lab ID: L1301660-02
Client ID: GP-16
Sample Location: SOUTH KINGSTON, RI
Date Collected: 01/18/13 14:55
Date Received: 01/29/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	79		60-140
Bromochloromethane	84		60-140
chlorobenzene-d5	83		60-140

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1301660
Report Date: 02/07/13

SAMPLE RESULTS

Lab ID: L1301660-03
Client ID: FIELD BLANK
Sample Location: SOUTH KINGSTON, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 01/29/13 23:48
Analyst: MB

Date Collected: 01/18/13 14:42
Date Received: 01/29/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	0.428	0.200	--	2.12	0.989	--		1
Chloromethane	0.569	0.200	--	1.18	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Trichlorofluoromethane	0.275	0.200	--	1.55	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1301660
Report Date: 02/07/13

SAMPLE RESULTS

Lab ID: L1301660-03
Client ID: FIELD BLANK
Sample Location: SOUTH KINGSTON, RI
Date Collected: 01/18/13 14:42
Date Received: 01/29/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name:	ROSE HILL LANDFILL	***Lab Number:***	L1301660
Project Number:	CJI-1747	***Report Date:***	02/07/13

SAMPLE RESULTS

Lab ID:	L1301660-03	Date Collected:	01/18/13 14:42
Client ID:	FIELD BLANK	Date Received:	01/29/13
Sample Location:	SOUTH KINGSTON, RI	Field Prep:	Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	80		60-140
Bromochloromethane	84		60-140
chlorobenzene-d5	79		60-140

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1301660
Report Date: 02/07/13

SAMPLE RESULTS

Lab ID: L1301660-04
Client ID: GP-21
Sample Location: SOUTH KINGSTON, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 01/30/13 01:23
Analyst: MB

Date Collected: 01/18/13 14:43
Date Received: 01/29/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	9.36	0.500	--	16.1	0.861	--		1
Dichlorodifluoromethane	0.395	0.200	--	1.95	0.989	--		1
Chloromethane	0.421	0.200	--	0.869	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Trichlorofluoromethane	0.257	0.200	--	1.44	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	23.7	0.200	--	69.9	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.274	0.200	--	0.966	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1301660
Report Date: 02/07/13

SAMPLE RESULTS

Lab ID: L1301660-04
Client ID: GP-21
Sample Location: SOUTH KINGSTON, RI
Date Collected: 01/18/13 14:43
Date Received: 01/29/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.205	0.200	--	0.773	0.754	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1301660
Report Date: 02/07/13

SAMPLE RESULTS

Lab ID: L1301660-04
Client ID: GP-21
Sample Location: SOUTH KINGSTON, RI
Date Collected: 01/18/13 14:43
Date Received: 01/29/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	80		60-140
Bromochloromethane	84		60-140
chlorobenzene-d5	81		60-140

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1301660
Report Date: 02/07/13

SAMPLE RESULTS

Lab ID: L1301660-05
Client ID: GF
Sample Location: SOUTH KINGSTON, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 01/30/13 02:26
Analyst: MB

Date Collected: 01/18/13 14:46
Date Received: 01/29/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	0.361	0.200	--	1.79	0.989	--		1
Chloromethane	0.601	0.200	--	1.24	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Trichlorofluoromethane	0.235	0.200	--	1.32	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1301660
Report Date: 02/07/13

SAMPLE RESULTS

Lab ID: L1301660-05
Client ID: GF
Sample Location: SOUTH KINGSTON, RI
Date Collected: 01/18/13 14:46
Date Received: 01/29/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1301660
Report Date: 02/07/13

SAMPLE RESULTS

Lab ID: L1301660-05
Client ID: GF
Sample Location: SOUTH KINGSTON, RI
Date Collected: 01/18/13 14:46
Date Received: 01/29/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	82		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	84		60-140

Project Name: ROSE HILL LANDFILL **Lab Number:** L1301660

Project Number: CJI-1747 **Report Date:** 02/07/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 01/29/13 15:28

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG587665-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1301660
Report Date: 02/07/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 01/29/13 15:28

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG587665-4								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1301660
Report Date: 02/07/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 01/29/13 15:28

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG587665-4								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1301660
Report Date: 02/07/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG587665-3								
Chlorodifluoromethane	90		-		70-130	-		
Propylene	94		-		70-130	-		
Propane	70		-		70-130	-		
Dichlorodifluoromethane	91		-		70-130	-		
Chloromethane	96		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	100		-		70-130	-		
Methanol	87		-		70-130	-		
Vinyl chloride	88		-		70-130	-		
1,3-Butadiene	99		-		70-130	-		
Butane	91		-		70-130	-		
Bromomethane	91		-		70-130	-		
Chloroethane	91		-		70-130	-		
Ethyl Alcohol	98		-		70-130	-		
Dichlorofluoromethane	94		-		70-130	-		
Vinyl bromide	88		-		70-130	-		
Acrolein	73		-		70-130	-		
Acetone	104		-		70-130	-		
Acetonitrile	84		-		70-130	-		
Trichlorofluoromethane	106		-		70-130	-		
iso-Propyl Alcohol	93		-		70-130	-		
Acrylonitrile	89		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1301660
Report Date: 02/07/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG587665-3								
Pentane	91		-		70-130	-		
Ethyl ether	93		-		70-130	-		
1,1-Dichloroethene	99		-		70-130	-		
tert-Butyl Alcohol	87		-		70-130	-		
Methylene chloride	95		-		70-130	-		
3-Chloropropene	102		-		70-130	-		
Carbon disulfide	84		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	94		-		70-130	-		
trans-1,2-Dichloroethene	86		-		70-130	-		
1,1-Dichloroethane	88		-		70-130	-		
Methyl tert butyl ether	86		-		70-130	-		
Vinyl acetate	92		-		70-130	-		
2-Butanone	93		-		70-130	-		
cis-1,2-Dichloroethene	98		-		70-130	-		
Ethyl Acetate	91		-		70-130	-		
Chloroform	95		-		70-130	-		
Tetrahydrofuran	91		-		70-130	-		
2,2-Dichloropropane	88		-		70-130	-		
1,2-Dichloroethane	98		-		70-130	-		
n-Hexane	101		-		70-130	-		
Isopropyl Ether	91		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1301660
Report Date: 02/07/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG587665-3								
Ethyl-Tert-Butyl-Ether	94		-		70-130	-		
1,1,1-Trichloroethane	112		-		70-130	-		
1,1-Dichloropropene	97		-		70-130	-		
Benzene	92		-		70-130	-		
Carbon tetrachloride	116		-		70-130	-		
Cyclohexane	99		-		70-130	-		
Tertiary-Amyl Methyl Ether	87		-		70-130	-		
Dibromomethane	97		-		70-130	-		
1,2-Dichloropropane	98		-		70-130	-		
Bromodichloromethane	107		-		70-130	-		
1,4-Dioxane	86		-		70-130	-		
Trichloroethene	101		-		70-130	-		
2,2,4-Trimethylpentane	101		-		70-130	-		
Methyl methacrylate	123		-		70-130	-		
Heptane	104		-		70-130	-		
cis-1,3-Dichloropropene	103		-		70-130	-		
4-Methyl-2-pentanone	110		-		70-130	-		
trans-1,3-Dichloropropene	91		-		70-130	-		
1,1,2-Trichloroethane	103		-		70-130	-		
Toluene	82		-		70-130	-		
1,3-Dichloropropane	80		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1301660
Report Date: 02/07/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG587665-3								
2-Hexanone	92		-		70-130	-		
Dibromochloromethane	98		-		70-130	-		
1,2-Dibromoethane	88		-		70-130	-		
Butyl Acetate	77		-		70-130	-		
Octane	74		-		70-130	-		
Tetrachloroethene	86		-		70-130	-		
1,1,1,2-Tetrachloroethane	83		-		70-130	-		
Chlorobenzene	84		-		70-130	-		
Ethylbenzene	87		-		70-130	-		
p/m-Xylene	88		-		70-130	-		
Bromoform	86		-		70-130	-		
Styrene	88		-		70-130	-		
1,1,2,2-Tetrachloroethane	91		-		70-130	-		
o-Xylene	90		-		70-130	-		
1,2,3-Trichloropropane	84		-		70-130	-		
Nonane (C9)	91		-		70-130	-		
Isopropylbenzene	87		-		70-130	-		
Bromobenzene	84		-		70-130	-		
o-Chlorotoluene	81		-		70-130	-		
n-Propylbenzene	82		-		70-130	-		
p-Chlorotoluene	86		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1301660
Report Date: 02/07/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG587665-3								
4-Ethyltoluene	83		-		70-130	-		
1,3,5-Trimethylbenzene	93		-		70-130	-		
tert-Butylbenzene	88		-		70-130	-		
1,2,4-Trimethylbenzene	97		-		70-130	-		
Decane (C10)	88		-		70-130	-		
Benzyl chloride	86		-		70-130	-		
1,3-Dichlorobenzene	93		-		70-130	-		
1,4-Dichlorobenzene	92		-		70-130	-		
sec-Butylbenzene	87		-		70-130	-		
p-Isopropyltoluene	81		-		70-130	-		
1,2-Dichlorobenzene	92		-		70-130	-		
n-Butylbenzene	90		-		70-130	-		
1,2-Dibromo-3-chloropropane	90		-		70-130	-		
Undecane	90		-		70-130	-		
Dodecane (C12)	94		-		70-130	-		
1,2,4-Trichlorobenzene	95		-		70-130	-		
Naphthalene	84		-		70-130	-		
1,2,3-Trichlorobenzene	85		-		70-130	-		
Hexachlorobutadiene	90		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1301660
Report Date: 02/07/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG587665-5 QC Sample: L1301660-04 Client ID: GP-21						
Propylene	9.36	9.23	ppbV	1		25
Dichlorodifluoromethane	0.395	0.357	ppbV	10		25
Chloromethane	0.421	0.468	ppbV	11		25
Freon-114	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Trichlorofluoromethane	0.257	0.249	ppbV	3		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
Carbon disulfide	ND	0.205	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	23.7	23.5	ppbV	1		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
Chloroform	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1301660
Report Date: 02/07/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG587665-5 QC Sample: L1301660-04 Client ID: GP-21					
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	0.274	0.254	ppbV	8	25
1,1,1-Trichloroethane	ND	ND	ppbV	NC	25
Benzene	ND	ND	ppbV	NC	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Cyclohexane	ND	ND	ppbV	NC	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Trichloroethene	ND	ND	ppbV	NC	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	0.205	0.200	ppbV	2	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	ND	ND	ppbV	NC	25
p/m-Xylene	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1301660
Report Date: 02/07/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG587665-5 QC Sample: L1301660-04 Client ID: GP-21					
o-Xylene	ND	ND	ppbV	NC	25
1,3,5-Trimethybenzene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC	25
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Project Name: ROSE HILL LANDFILL

Lab Number: L1301660

Project Number: CJI-1747

Report Date: 02/07/13

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1301660-01	GP-18	0460	#16 AMB	01/15/13	84783		-	-	-	Pass	8.6	8.1	6
L1301660-01	GP-18	121	2.7L Can	01/15/13	84783	L1223356-01	Pass	-28.1	-6.7	-	-	-	-
L1301660-02	GP-16	0412	#16 AMB	01/15/13	84783		-	-	-	Pass	9.0	9.5	5
L1301660-02	GP-16	1716	2.7L Can	01/15/13	84783	L1300320-01	Pass	-29.9	-4.2	-	-	-	-
L1301660-03	FIELD BLANK	0498	#16 AMB	01/15/13	84783		-	-	-	Pass	9.0	10.2	13
L1301660-03	FIELD BLANK	186	2.7L Can	01/15/13	84783	L1300320-01	Pass	-29.5	-2.4	-	-	-	-
L1301660-04	GP-21	0270	#16 AMB	01/15/13	84783		-	-	-	Pass	8.8	9.1	3
L1301660-04	GP-21	184	2.7L Can	01/15/13	84783	L1300320-01	Pass	-29.9	-2.3	-	-	-	-
L1301660-05	GF	0369	#20 AMB	01/15/13	84783		-	-	-	Pass	8.9	18.3	69
L1301660-05	GF	105	2.7L Can	01/15/13	84783	L1223356-01	Pass	-29.9	2.0	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1223356

Project Number: CANISTER QC BAT **Report Date:** 02/07/13

Air Canister Certification Results

Lab ID:	L1223356-01	Date Collected:	12/26/12 10:47
Client ID:	CAN 545 SHELF #19	Date Received:	12/27/12
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15		
Analytical Date:	12/27/12 18:53		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.200	--	ND	0.361	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1223356

Project Number: CANISTER QC BAT **Report Date:** 02/07/13

Air Canister Certification Results

Lab ID: L1223356-01 Date Collected: 12/26/12 10:47

Client ID: CAN 545 SHELF #19 Date Received: 12/27/12

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1223356

Project Number: CANISTER QC BAT **Report Date:** 02/07/13

Air Canister Certification Results

Lab ID: L1223356-01 Date Collected: 12/26/12 10:47

Client ID: CAN 545 SHELF #19 Date Received: 12/27/12

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1223356

Project Number: CANISTER QC BAT **Report Date:** 02/07/13

Air Canister Certification Results

Lab ID: L1223356-01 Date Collected: 12/26/12 10:47

Client ID: CAN 545 SHELF #19 Date Received: 12/27/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
No Tentatively Identified Compounds					

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1223356

Project Number: CANISTER QC BAT **Report Date:** 02/07/13

Air Canister Certification Results

Lab ID: L1223356-01 Date Collected: 12/26/12 10:47

Client ID: CAN 545 SHELF #19 Date Received: 12/27/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	104		60-140
chlorobenzene-d5	91		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1223356

Project Number: CANISTER QC BAT **Report Date:** 02/07/13

Air Canister Certification Results

Lab ID:	L1223356-01	Date Collected:	12/26/12 10:47
Client ID:	CAN 545 SHELF #19	Date Received:	12/27/12
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	12/27/12 18:53		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1223356

Project Number: CANISTER QC BAT **Report Date:** 02/07/13

Air Canister Certification Results

Lab ID: L1223356-01 Date Collected: 12/26/12 10:47

Client ID: CAN 545 SHELF #19 Date Received: 12/27/12

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1223356

Project Number: CANISTER QC BAT **Report Date:** 02/07/13

Air Canister Certification Results

Lab ID: L1223356-01 Date Collected: 12/26/12 10:47

Client ID: CAN 545 SHELF #19 Date Received: 12/27/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	108		60-140
chlorobenzene-d5	93		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1300320

Project Number: CANISTER QC BAT **Report Date:** 02/07/13

Air Canister Certification Results

Lab ID:	L1300320-01	Date Collected:	01/07/13 14:04
Client ID:	CAN 232 SHELF #20	Date Received:	01/08/13
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15		
Analytical Date:	01/08/13 16:02		
Analyst:	MB		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.200	--	ND	0.361	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1300320

Project Number: CANISTER QC BAT **Report Date:** 02/07/13

Air Canister Certification Results

Lab ID: L1300320-01 Date Collected: 01/07/13 14:04

Client ID: CAN 232 SHELF #20 Date Received: 01/08/13

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1300320

Project Number: CANISTER QC BAT **Report Date:** 02/07/13

Air Canister Certification Results

Lab ID: L1300320-01 Date Collected: 01/07/13 14:04

Client ID: CAN 232 SHELF #20 Date Received: 01/08/13

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1300320

Project Number: CANISTER QC BAT **Report Date:** 02/07/13

Air Canister Certification Results

Lab ID: L1300320-01 Date Collected: 01/07/13 14:04

Client ID: CAN 232 SHELF #20 Date Received: 01/08/13

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
No Tentatively Identified Compounds					

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1300320

Project Number: CANISTER QC BAT **Report Date:** 02/07/13

Air Canister Certification Results

Lab ID:	L1300320-01	Date Collected:	01/07/13 14:04
Client ID:	CAN 232 SHELF #20	Date Received:	01/08/13
Sample Location:		Field Prep:	Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	97		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	94		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1300320

Project Number: CANISTER QC BAT **Report Date:** 02/07/13

Air Canister Certification Results

Lab ID:	L1300320-01	Date Collected:	01/07/13 14:04
Client ID:	CAN 232 SHELF #20	Date Received:	01/08/13
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	01/08/13 16:02		
Analyst:	MB		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1300320

Project Number: CANISTER QC BAT **Report Date:** 02/07/13

Air Canister Certification Results

Lab ID: L1300320-01 Date Collected: 01/07/13 14:04

Client ID: CAN 232 SHELF #20 Date Received: 01/08/13

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1300320

Project Number: CANISTER QC BAT **Report Date:** 02/07/13

Air Canister Certification Results

Lab ID: L1300320-01 Date Collected: 01/07/13 14:04

Client ID: CAN 232 SHELF #20 Date Received: 01/08/13

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	95		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	96		60-140

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1301660
Report Date: 02/07/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Cooler	Custody Seal
N/A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1301660-01A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1301660-02A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1301660-03A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1301660-04A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1301660-05A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1301660
Project Number:	CJI-1747	**Report Date:**	02/07/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: Data Usability Report

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1301660
Project Number:	CJI-1747	**Report Date:**	02/07/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: ROSE HILL LANDFILL **Lab Number:** L1301660
Project Number: CJI-1747 **Report Date:** 02/07/13

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 3, 2012 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable). Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Titanium, Vanadium, Zinc, Total Organic Carbon, Corrosivity, TCLP 1311, SPLP 1312. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, SM2540G.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 180.1, 245.7, 1631E, 3020A, 6020A, 7470A, 9040, 9050A, SM2320B, 2540D, 2540G, 4500H-B, Organic Parameters: EPA 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 5030B, 8015D, 3570, 8081B, 8082A, 8260B, 8270C, 8270D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 1311, 3050B, 3051A, 3060A, 6020A, 7196A, 7470A, 7471B, 7474, 9040B, 9045C, 9060. Organic Parameters: EPA 3540C, 3570, 3580A, 3630C, 3640A, 3660, 3665A, 5035, 8015D, 8081B, 8082A, 8260B, 8270C, 8270D.)

Biological Tissue (Inorganic Parameters: EPA 6020A. Organic Parameters: EPA 3570, 3510C, 3610B, 3630C, 3640A, 8270C, 8270D.)

Air & Emissions (EPA TO-15.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 180.1, 1631E, 6020A, 7470A, 9040B, 9050A, SM2540D, 2540G, 4500H+B, 2320B, 3020A, . Organic Parameters: EPA 3510C, 3630C, 3640A, 3660B, 8081B, 8082A, 8270C, 8270D, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 3050B, 3051A, 6020A, 7471B, 9040B, 9045C. Organic Parameters: SW-846 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 8270C, 8015D, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3020A, SM2320B, SM2540D, 2540G, 4500H-B, EPA 180.1, 1631E, SW-846 7470A, 9040C, 6020A, 9050A. Organic Parameters: SW-846 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 8015D, 8081B, 8082A, 8270C, 8270D)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 1312, 3050B, 3051A, 6020A, 7471B, 7474, 9040B, 9040C, 9045C, 9045D, 9060. Organic Parameters: SW-846 3540C, 3570, 3580A, 3630C, 3640A, 3660B, 3665A, 8081B, 8082A, 8270C, 8270D, 8015D.)

Atmospheric Organic Parameters (EPA 3C, TO-15, TO-10A, TO-13A-SIM.)

Biological Tissue (Inorganic Parameters: SW-846 6020A. Organic Parameters: SW-846 8270C, 8270D, 3510C, 3570, 3610C, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. ***NELAP Accredited.*** -

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, 6020A, 1631E, 7470A, 9050A, EPA 180.1, 3020A. Organic Parameters: EPA 8270C, 8270D, 8081B, 8082A, 3510C.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020A, 7471B, 7474, 9040C, 9045D. Organic Parameters: EPA 8270C, 8270D, 8081B, 8082A, 1311, 3050B, 3580A, 3570, 3051A.)

Air & Emissions (EPA TO-15, TO-10A.)

Pennsylvania Certificate/Lab ID: 68-02089 ***NELAP Accredited*** -

Non-Potable Water (Inorganic Parameters: 1312, 1631E, 180.1, 3020A, 6020A, 7470A, 9040B, 9050A, 2320B, 2540D, 2540G, SM4500H+-B. Organic Parameters: 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 8015D, 8081B, 8082A, 8270C, 8270D .)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 3051A, 6020A, 7471B, 7474 9040B, 9045C, 9060. Organic Parameters: EPA3050B, 3540C, 3570, 3580A, 3630C, 3640A, 3660B, 3665A, 8270C, 8270D, 8081B, 8015D, 8082A.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. ***NELAP Accredited via NJ-DEP.*** -

Refer to NJ-DEP Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. ***NELAP Accredited.*** -

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID:460194. ***NELAP Accredited.*** -

Non-Potable Water (Inorganic Parameters:EPA 3020A, 6020A, 245.7, 9040B. Organic Parameters: EPA 3510C, 3640A, 3660B, 3665A, 8270C, 8270D, 8082A, 8081B, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020A,7470A,7471B,9040B,9045C,3050B,3051, 9060. Organic Parameters: EPA 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 3570, 8270C, 8270D, 8081B, 8082A, 8015D.)

Washington State Department of Ecology Certificate/Lab ID: C954. *Non-Potable Water* (Inorganic Parameters: SM2540D, 180.1, 1631E.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 7474, 9045C, 9050A, 9060. Organic Parameters: EPA 8081, 8082, 8015, 8270.)

U.S. Army Corps of Engineers

Department of Defense, L-A-B Certificate/Lab ID: L2217.01.

Non-Potable Water (Inorganic Parameters: EPA 6020A, SM4500H-B. Organic Parameters: 3020A, 3510C, 8270C, 8270D, 8270C-ALK-PAH, 8270D-ALK-PAH, 8082A, 8081B, 8015D-SHC, 8015D.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 3050B, 6020A, 7471A, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580A, 3570, 3540C, 8270C, 8270D, 8270C-ALK-PAH, 8270D-ALK-PAH 8082A, 8081B, 8015D-SHC, 8015D.

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **8270C:** Biphenyl. **TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 2-Methylnaphthalene, 1-Methylnaphthalene.

AIR ANALYSIS

PAGE 1 OF 2

ALPHA ANALYTICAL

CHAIN OF CUSTODY 1/3

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Louis Berger
Address: 295 Promenade Street
Providence, RI 02908
Phone: 401 521-5980
Fax:
Email: shogan@louisberger.com

☐ These samples have been Previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project Information

Project Name: Rose Hil Landfill
Project Location: South Kingstown, RI
Project #: CJI-1747
Project Manager: Chris Feeney
ALPHA Quote #:

Turn-Around-Time

☒ Standard ☐ Rush (only confirmed if pre-approved)

Date Due: Time:

Date Rec'd in Lab:

ALPHA Job #: L1301660

Report/Data Deliverables Information

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Analysis

All Columns Below Must Be Filled Out

Alpha Lab Use Only	Sample ID	Collection Date	Start Time	End Time	Initial Vac	Final Vac	Sample Matrix*	Sampler Initials	Can Size	ID Can	ID Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Specific Comments (i.e. PID)
-1	GP-18	1/18/13	10:53	2:54	-28.1	-8.15	SV	SH	2.7L	121	0460	☐	☒	☐	☐	☐	☐	☐	
-2	GP-16	1/18/13	10:55	2:55	-29.9	-4.01	SV	SH	2.7L	1716	0412	☐	☒	☐	☐	☐	☐	☐	
	~~GP-17~~	~~1/18/13~~			~~-28.4~~		~~SV~~	~~SH~~	~~2.7L~~	~~374~~	~~0302~~	~~☐~~	~~☒~~	~~☐~~	~~☐~~	~~☐~~	~~☐~~	~~☐~~	
	~~DUP (GP-17)~~	~~1/18/13~~			~~-29.5~~		~~AA~~	~~SH~~	~~2.7L~~	~~182~~	~~0348~~	~~☐~~	~~☒~~	~~☐~~	~~☐~~	~~☐~~	~~☐~~	~~☐~~	
-3	Field Blank	1/18/13	10:35	2:42	-29.5	-4.73	SV	SH	2.7L	186	0498	☐	☒	☐	☐	☐	☐	☐	
-4	GP-21	1/18/13	10:41	2:43	-29.9	-1.47	SV	SH	2.7L	184	0270	☐	☒	☐	☐	☐	☐	☐	
											Container Type	-	-	-	-	-	-	-	

SAMPLE MATRIX CODES:

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Relinquished By	Date/Time	Received By:	Date/Time
[illegible]	1/29/13 10:35	YCH	1/29/13 1:3
YCH	1/29/13 1120	[illegible]	1/29/13 1120

Please print clearly & legibly and completely. Samples can not be logged in and turn around time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

Form 101-02 (I)
Revised 29-Dec-09

AIR ANALYSIS

PAGE 2 OF 2

ALPHA ANALYTICAL

CHAIN OF CUSTODY 2/3

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: L1301660

Client Information

Client: Louis Berger
Address: 295 Promenade Street
Providence, RI 02908
Phone: 401 521-5980
Fax:
Email: shogan@louisberger.com

☐ These samples have been Previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project Information

Project Name: Rose Hill Landfill
Project Location: South Kingstown, RI
Project #: CJI-1747
Project Manager: Chris Feeney
ALPHA Quote #:

Turn-Around-Time

☒ Standard ☐ Rush (only confirmed if pre-approved)

Date Due: Time:

Report/Data Deliverables Information

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Analysis

All Columns Below Must Be Filled Out

Alpha Lab Use Only	Sample ID	Collection Date	Collection Start Time	Collection End Time	Initial Vac	Final Vac	Sample Matrix*	Sampler Initials	Can Size	ID Can	ID Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Specific Comments (i.e. PID)
-5	GF	1/18/13	10:45	2:46	-29.9	-0.17	SV	SH	2.7L	105	0369	☐	☒	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
											Container Type	-	-	-	-	-	-	-	

SAMPLE MATRIX CODES:

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Relinquished By	Date/Time	Received By:	Date/Time
[signature]	1/29/13 10:35	[signature]	1/29/13 1030
[signature]	1/29/13 1120	[signature]	1/29/13 1120

Please print clearly & legibly and completely. Samples can not be logged in and turn around time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

Form 101-02 (I)
Revised 29-Dec-09

ANALYTICAL REPORT

Lab Number:	L1301659
Client:	Louis A. Berger & Associates 295 Promenade Street Providence, RI 02908
ATTN:	Chris Feeney
Phone:	(401) 521-5980
Project Name:	ROSE HILL LANDFILL
Project Number:	CJI-1747
Report Date:	02/07/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), PA (68-02089), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), DOD (L2217.01), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1301659
Report Date: 02/07/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1301659-01	GP-11	SOUTH KINGSTON, RI	01/25/13 14:35
L1301659-02	DUP (GP-11)	SOUTH KINGSTON, RI	01/25/13 14:35

Project Name: ROSE HILL LANDFILL **Lab Number:** L1301659
Project Number: CJI-1747 **Report Date:** 02/07/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1301659
Project Number:	CJI-1747	**Report Date:**	02/07/13

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on January 15, 2013. The canister certification results are provided as an addendum.

L1301659-01, -02 and WG587886-5 Duplicate have elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the samples.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 02/07/13

AIR

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1301659
Report Date: 02/07/13

SAMPLE RESULTS

Lab ID: L1301659-01 D
Client ID: GP-11
Sample Location: SOUTH KINGSTON, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 01/30/13 23:44
Analyst: MB

Date Collected: 01/25/13 14:35
Date Received: 01/29/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	2.71	1.00	--	4.66	1.72	--		2
Dichlorodifluoromethane	1.23	0.400	--	6.08	1.98	--		2
Chloromethane	0.656	0.400	--	1.35	0.826	--		2
Freon-114	0.682	0.400	--	4.77	2.80	--		2
Vinyl chloride	ND	0.400	--	ND	1.02	--		2
1,3-Butadiene	ND	0.400	--	ND	0.885	--		2
Bromomethane	ND	0.400	--	ND	1.55	--		2
Chloroethane	ND	0.400	--	ND	1.06	--		2
Trichlorofluoromethane	0.406	0.400	--	2.28	2.25	--		2
1,1-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Methylene chloride	ND	2.00	--	ND	6.95	--		2
Carbon disulfide	ND	0.400	--	ND	1.25	--		2
Freon-113	ND	0.400	--	ND	3.07	--		2
trans-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
1,1-Dichloroethane	ND	0.400	--	ND	1.62	--		2
Methyl tert butyl ether	ND	0.400	--	ND	1.44	--		2
2-Butanone	4.33	0.400	--	12.8	1.18	--		2
cis-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Chloroform	ND	0.400	--	ND	1.95	--		2
1,2-Dichloroethane	ND	0.400	--	ND	1.62	--		2
n-Hexane	ND	0.400	--	ND	1.41	--		2
1,1,1-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Benzene	ND	0.400	--	ND	1.28	--		2
Carbon tetrachloride	ND	0.400	--	ND	2.52	--		2

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1301659
Report Date: 02/07/13

SAMPLE RESULTS

Lab ID: L1301659-01 D
Client ID: GP-11
Sample Location: SOUTH KINGSTON, RI
Date Collected: 01/25/13 14:35
Date Received: 01/29/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Cyclohexane	ND	0.400	--	ND	1.38	--		2
1,2-Dichloropropane	ND	0.400	--	ND	1.85	--		2
Trichloroethene	ND	0.400	--	ND	2.15	--		2
cis-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
trans-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Toluene	ND	0.400	--	ND	1.51	--		2
1,2-Dibromoethane	ND	0.400	--	ND	3.07	--		2
Tetrachloroethene	ND	0.400	--	ND	2.71	--		2
Chlorobenzene	ND	0.400	--	ND	1.84	--		2
Ethylbenzene	ND	0.400	--	ND	1.74	--		2
p/m-Xylene	ND	0.800	--	ND	3.47	--		2
Styrene	ND	0.400	--	ND	1.70	--		2
1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.75	--		2
o-Xylene	ND	0.400	--	ND	1.74	--		2
1,3,5-Trimethybenzene	ND	0.400	--	ND	1.97	--		2
1,2,4-Trimethylbenzene	ND	0.400	--	ND	1.97	--		2
Benzyl chloride	ND	0.400	--	ND	2.07	--		2
1,3-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,4-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2,4-Trichlorobenzene	ND	0.400	--	ND	2.97	--		2
Hexachlorobutadiene	ND	0.400	--	ND	4.27	--		2

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1301659
Report Date: 02/07/13

SAMPLE RESULTS

Lab ID: L1301659-01 D
Client ID: GP-11
Sample Location: SOUTH KINGSTON, RI
Date Collected: 01/25/13 14:35
Date Received: 01/29/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	86		60-140
Bromochloromethane	87		60-140
chlorobenzene-d5	87		60-140

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1301659
Report Date: 02/07/13

SAMPLE RESULTS

Lab ID: L1301659-02 D
Client ID: DUP (GP-11)
Sample Location: SOUTH KINGSTON, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 01/31/13 00:48
Analyst: MB

Date Collected: 01/25/13 14:35
Date Received: 01/29/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	2.44	1.00	--	4.20	1.72	--		2
Dichlorodifluoromethane	1.57	0.400	--	7.76	1.98	--		2
Chloromethane	0.410	0.400	--	0.847	0.826	--		2
Freon-114	0.830	0.400	--	5.80	2.80	--		2
Vinyl chloride	ND	0.400	--	ND	1.02	--		2
1,3-Butadiene	ND	0.400	--	ND	0.885	--		2
Bromomethane	ND	0.400	--	ND	1.55	--		2
Chloroethane	ND	0.400	--	ND	1.06	--		2
Trichlorofluoromethane	0.400	0.400	--	2.25	2.25	--		2
1,1-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Methylene chloride	ND	2.00	--	ND	6.95	--		2
Carbon disulfide	ND	0.400	--	ND	1.25	--		2
Freon-113	ND	0.400	--	ND	3.07	--		2
trans-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
1,1-Dichloroethane	ND	0.400	--	ND	1.62	--		2
Methyl tert butyl ether	ND	0.400	--	ND	1.44	--		2
2-Butanone	1.41	0.400	--	4.16	1.18	--		2
cis-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Chloroform	ND	0.400	--	ND	1.95	--		2
1,2-Dichloroethane	ND	0.400	--	ND	1.62	--		2
n-Hexane	ND	0.400	--	ND	1.41	--		2
1,1,1-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Benzene	ND	0.400	--	ND	1.28	--		2
Carbon tetrachloride	ND	0.400	--	ND	2.52	--		2

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1301659
Report Date: 02/07/13

SAMPLE RESULTS

Lab ID: L1301659-02 D
Client ID: DUP (GP-11)
Sample Location: SOUTH KINGSTON, RI
Date Collected: 01/25/13 14:35
Date Received: 01/29/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Cyclohexane	ND	0.400	--	ND	1.38	--		2
1,2-Dichloropropane	ND	0.400	--	ND	1.85	--		2
Trichloroethene	ND	0.400	--	ND	2.15	--		2
cis-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
trans-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Toluene	ND	0.400	--	ND	1.51	--		2
1,2-Dibromoethane	ND	0.400	--	ND	3.07	--		2
Tetrachloroethene	ND	0.400	--	ND	2.71	--		2
Chlorobenzene	ND	0.400	--	ND	1.84	--		2
Ethylbenzene	ND	0.400	--	ND	1.74	--		2
p/m-Xylene	ND	0.800	--	ND	3.47	--		2
Styrene	ND	0.400	--	ND	1.70	--		2
1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.75	--		2
o-Xylene	ND	0.400	--	ND	1.74	--		2
1,3,5-Trimethybenzene	ND	0.400	--	ND	1.97	--		2
1,2,4-Trimethylbenzene	ND	0.400	--	ND	1.97	--		2
Benzyl chloride	ND	0.400	--	ND	2.07	--		2
1,3-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,4-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2,4-Trichlorobenzene	ND	0.400	--	ND	2.97	--		2
Hexachlorobutadiene	ND	0.400	--	ND	4.27	--		2

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1301659
Report Date: 02/07/13

SAMPLE RESULTS

Lab ID: L1301659-02 D
Client ID: DUP (GP-11)
Sample Location: SOUTH KINGSTON, RI
Date Collected: 01/25/13 14:35
Date Received: 01/29/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	78		60-140
Bromochloromethane	82		60-140
chlorobenzene-d5	82		60-140

Project Name: ROSE HILL LANDFILL **Lab Number:** L1301659

Project Number: CJI-1747 **Report Date:** 02/07/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 01/30/13 15:57

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG587886-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1301659

Project Number: CJI-1747 **Report Date:** 02/07/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 01/30/13 15:57

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG587886-4								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1301659
Report Date: 02/07/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 01/30/13 15:57

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG587886-4								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
No Tentatively Identified Compounds					

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1301659
Report Date: 02/07/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG587886-3								
Chlorodifluoromethane	88		-		70-130	-		
Propylene	95		-		70-130	-		
Dichlorodifluoromethane	79		-		70-130	-		
Chloromethane	94		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	98		-		70-130	-		
Methanol	92		-		70-130	-		
Vinyl chloride	89		-		70-130	-		
1,3-Butadiene	102		-		70-130	-		
Butane	91		-		70-130	-		
Bromomethane	92		-		70-130	-		
Chloroethane	89		-		70-130	-		
Ethyl Alcohol	101		-		70-130	-		
Dichlorofluoromethane	93		-		70-130	-		
Vinyl bromide	88		-		70-130	-		
Acrolein	74		-		70-130	-		
Acetone	104		-		70-130	-		
Acetonitrile	81		-		70-130	-		
Trichlorofluoromethane	107		-		70-130	-		
iso-Propyl Alcohol	95		-		70-130	-		
Acrylonitrile	90		-		70-130	-		
Pentane	88		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1301659
Report Date: 02/07/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG587886-3								
Ethyl ether	92		-		70-130	-		
1,1-Dichloroethene	96		-		70-130	-		
tert-Butyl Alcohol	90		-		70-130	-		
Methylene chloride	94		-		70-130	-		
3-Chloropropene	98		-		70-130	-		
Carbon disulfide	84		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	95		-		70-130	-		
trans-1,2-Dichloroethene	87		-		70-130	-		
1,1-Dichloroethane	90		-		70-130	-		
Methyl tert butyl ether	87		-		70-130	-		
Vinyl acetate	86		-		70-130	-		
2-Butanone	92		-		70-130	-		
cis-1,2-Dichloroethene	97		-		70-130	-		
Ethyl Acetate	86		-		70-130	-		
Chloroform	95		-		70-130	-		
Tetrahydrofuran	88		-		70-130	-		
2,2-Dichloropropane	88		-		70-130	-		
1,2-Dichloroethane	100		-		70-130	-		
n-Hexane	104		-		70-130	-		
Isopropyl Ether	93		-		70-130	-		
Ethyl-Tert-Butyl-Ether	95		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1301659
Report Date: 02/07/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG587886-3								
1,1,1-Trichloroethane	112		-		70-130	-		
1,1-Dichloropropene	98		-		70-130	-		
Benzene	94		-		70-130	-		
Carbon tetrachloride	118		-		70-130	-		
Cyclohexane	96		-		70-130	-		
Tertiary-Amyl Methyl Ether	90		-		70-130	-		
Dibromomethane	98		-		70-130	-		
1,2-Dichloropropane	99		-		70-130	-		
Bromodichloromethane	110		-		70-130	-		
1,4-Dioxane	90		-		70-130	-		
Trichloroethene	103		-		70-130	-		
2,2,4-Trimethylpentane	102		-		70-130	-		
Methyl methacrylate	117		-		70-130	-		
Heptane	106		-		70-130	-		
cis-1,3-Dichloropropene	105		-		70-130	-		
4-Methyl-2-pentanone	110		-		70-130	-		
trans-1,3-Dichloropropene	91		-		70-130	-		
1,1,2-Trichloroethane	103		-		70-130	-		
Toluene	81		-		70-130	-		
1,3-Dichloropropane	80		-		70-130	-		
2-Hexanone	93		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1301659
Report Date: 02/07/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG587886-3								
Dibromochloromethane	93		-		70-130	-		
1,2-Dibromoethane	87		-		70-130	-		
Butyl Acetate	77		-		70-130	-		
Octane	74		-		70-130	-		
Tetrachloroethene	87		-		70-130	-		
1,1,1,2-Tetrachloroethane	85		-		70-130	-		
Chlorobenzene	86		-		70-130	-		
Ethylbenzene	89		-		70-130	-		
p/m-Xylene	90		-		70-130	-		
Bromoform	87		-		70-130	-		
Styrene	88		-		70-130	-		
1,1,2,2-Tetrachloroethane	90		-		70-130	-		
o-Xylene	93		-		70-130	-		
1,2,3-Trichloropropane	82		-		70-130	-		
Nonane (C9)	93		-		70-130	-		
Isopropylbenzene	87		-		70-130	-		
Bromobenzene	92		-		70-130	-		
o-Chlorotoluene	83		-		70-130	-		
n-Propylbenzene	85		-		70-130	-		
p-Chlorotoluene	88		-		70-130	-		
4-Ethyltoluene	83		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1301659
Report Date: 02/07/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG587886-3								
1,3,5-Trimethylbenzene	94		-		70-130	-		
tert-Butylbenzene	87		-		70-130	-		
1,2,4-Trimethylbenzene	99		-		70-130	-		
Decane (C10)	91		-		70-130	-		
Benzyl chloride	88		-		70-130	-		
1,3-Dichlorobenzene	93		-		70-130	-		
1,4-Dichlorobenzene	93		-		70-130	-		
sec-Butylbenzene	89		-		70-130	-		
p-Isopropyltoluene	82		-		70-130	-		
1,2-Dichlorobenzene	94		-		70-130	-		
n-Butylbenzene	91		-		70-130	-		
1,2-Dibromo-3-chloropropane	94		-		70-130	-		
Undecane	94		-		70-130	-		
Dodecane (C12)	96		-		70-130	-		
1,2,4-Trichlorobenzene	94		-		70-130	-		
Naphthalene	86		-		70-130	-		
1,2,3-Trichlorobenzene	86		-		70-130	-		
Hexachlorobutadiene	93		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1301659
Report Date: 02/07/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG587886-5 QC Sample: L1301659-01 Client ID: GP-11						
Propylene	2.71	2.88	ppbV	6		25
Dichlorodifluoromethane	1.23	1.44	ppbV	16		25
Chloromethane	0.656	0.648	ppbV	1		25
Freon-114	0.682	0.748	ppbV	9		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Trichlorofluoromethane	0.406	0.472	ppbV	15		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	4.33	4.56	ppbV	5		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
Chloroform	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1301659
Report Date: 02/07/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG587886-5 QC Sample: L1301659-01 Client ID: GP-11					
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	ND	ND	ppbV	NC	25
1,1,1-Trichloroethane	ND	ND	ppbV	NC	25
Benzene	ND	ND	ppbV	NC	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Cyclohexane	ND	ND	ppbV	NC	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Trichloroethene	ND	ND	ppbV	NC	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	ND	ND	ppbV	NC	25
p/m-Xylene	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1301659
Report Date: 02/07/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG587886-5 QC Sample: L1301659-01 Client ID: GP-11					
o-Xylene	ND	ND	ppbV	NC	25
1,3,5-Trimethybenzene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC	25
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Project Name: ROSE HILL LANDFILL

Lab Number: L1301659

Project Number: CJI-1747

Report Date: 02/07/13

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1301659-01	GP-11	0302	#16 AMB	01/15/13	84783		-	-	-	Pass	9.0	8.6	5
L1301659-01	GP-11	374	2.7L Can	01/15/13	84783	L1223356-01	Pass	-29.4	0.5	-	-	-	-
L1301659-02	DUP (GP-11)	0348	#16 AMB	01/15/13	84783		-	-	-	Pass	9.0	9.6	6
L1301659-02	DUP (GP-11)	182	2.7L Can	01/15/13	84783	L1300320-01	Pass	-29.5	-2.7	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1223356

Project Number: CANISTER QC BAT **Report Date:** 02/07/13

Air Canister Certification Results

Lab ID:	L1223356-01	Date Collected:	12/26/12 10:47
Client ID:	CAN 545 SHELF #19	Date Received:	12/27/12
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15		
Analytical Date:	12/27/12 18:53		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.200	--	ND	0.361	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1223356

Project Number: CANISTER QC BAT **Report Date:** 02/07/13

Air Canister Certification Results

Lab ID: L1223356-01 Date Collected: 12/26/12 10:47

Client ID: CAN 545 SHELF #19 Date Received: 12/27/12

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1223356

Project Number: CANISTER QC BAT **Report Date:** 02/07/13

Air Canister Certification Results

Lab ID: L1223356-01 Date Collected: 12/26/12 10:47

Client ID: CAN 545 SHELF #19 Date Received: 12/27/12

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1223356

Project Number: CANISTER QC BAT **Report Date:** 02/07/13

Air Canister Certification Results

Lab ID: L1223356-01 Date Collected: 12/26/12 10:47

Client ID: CAN 545 SHELF #19 Date Received: 12/27/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
No Tentatively Identified Compounds					

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1223356

Project Number: CANISTER QC BAT **Report Date:** 02/07/13

Air Canister Certification Results

Lab ID: L1223356-01 Date Collected: 12/26/12 10:47

Client ID: CAN 545 SHELF #19 Date Received: 12/27/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	104		60-140
chlorobenzene-d5	91		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1223356

Project Number: CANISTER QC BAT **Report Date:** 02/07/13

Air Canister Certification Results

Lab ID:	L1223356-01	Date Collected:	12/26/12 10:47
Client ID:	CAN 545 SHELF #19	Date Received:	12/27/12
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	12/27/12 18:53		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1223356

Project Number: CANISTER QC BAT **Report Date:** 02/07/13

Air Canister Certification Results

Lab ID: L1223356-01 Date Collected: 12/26/12 10:47

Client ID: CAN 545 SHELF #19 Date Received: 12/27/12

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1223356

Project Number: CANISTER QC BAT **Report Date:** 02/07/13

Air Canister Certification Results

Lab ID: L1223356-01 Date Collected: 12/26/12 10:47

Client ID: CAN 545 SHELF #19 Date Received: 12/27/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	108		60-140
chlorobenzene-d5	93		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1300320

Project Number: CANISTER QC BAT **Report Date:** 02/07/13

Air Canister Certification Results

Lab ID:	L1300320-01	Date Collected:	01/07/13 14:04
Client ID:	CAN 232 SHELF #20	Date Received:	01/08/13
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15		
Analytical Date:	01/08/13 16:02		
Analyst:	MB		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.200	--	ND	0.361	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1300320

Project Number: CANISTER QC BAT **Report Date:** 02/07/13

Air Canister Certification Results

Lab ID: L1300320-01 Date Collected: 01/07/13 14:04

Client ID: CAN 232 SHELF #20 Date Received: 01/08/13

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1300320

Project Number: CANISTER QC BAT **Report Date:** 02/07/13

Air Canister Certification Results

Lab ID: L1300320-01 Date Collected: 01/07/13 14:04

Client ID: CAN 232 SHELF #20 Date Received: 01/08/13

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1300320

Project Number: CANISTER QC BAT **Report Date:** 02/07/13

Air Canister Certification Results

Lab ID: L1300320-01 Date Collected: 01/07/13 14:04

Client ID: CAN 232 SHELF #20 Date Received: 01/08/13

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
No Tentatively Identified Compounds					

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1300320

Project Number: CANISTER QC BAT **Report Date:** 02/07/13

Air Canister Certification Results

Lab ID:	L1300320-01	Date Collected:	01/07/13 14:04
Client ID:	CAN 232 SHELF #20	Date Received:	01/08/13
Sample Location:		Field Prep:	Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	97		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	94		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1300320

Project Number: CANISTER QC BAT **Report Date:** 02/07/13

Air Canister Certification Results

Lab ID:	L1300320-01	Date Collected:	01/07/13 14:04
Client ID:	CAN 232 SHELF #20	Date Received:	01/08/13
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	01/08/13 16:02		
Analyst:	MB		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1300320

Project Number: CANISTER QC BAT **Report Date:** 02/07/13

Air Canister Certification Results

Lab ID: L1300320-01 Date Collected: 01/07/13 14:04

Client ID: CAN 232 SHELF #20 Date Received: 01/08/13

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1300320

Project Number: CANISTER QC BAT **Report Date:** 02/07/13

Air Canister Certification Results

Lab ID: L1300320-01 Date Collected: 01/07/13 14:04

Client ID: CAN 232 SHELF #20 Date Received: 01/08/13

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	95		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	96		60-140

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747

Lab Number: L1301659
Report Date: 02/07/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Cooler	Custody Seal
N/A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1301659-01A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1301659-02A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1301659
Project Number:	CJI-1747	**Report Date:**	02/07/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: Data Usability Report

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1301659
Project Number:	CJI-1747	**Report Date:**	02/07/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: ROSE HILL LANDFILL **Lab Number:** L1301659
Project Number: CJI-1747 **Report Date:** 02/07/13

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 3, 2012 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable). Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Titanium, Vanadium, Zinc, Total Organic Carbon, Corrosivity, TCLP 1311, SPLP 1312. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, SM2540G.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 180.1, 245.7, 1631E, 3020A, 6020A, 7470A, 9040, 9050A, SM2320B, 2540D, 2540G, 4500H-B, Organic Parameters: EPA 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 5030B, 8015D, 3570, 8081B, 8082A, 8260B, 8270C, 8270D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 1311, 3050B, 3051A, 3060A, 6020A, 7196A, 7470A, 7471B, 7474, 9040B, 9045C, 9060. Organic Parameters: EPA 3540C, 3570, 3580A, 3630C, 3640A, 3660, 3665A, 5035, 8015D, 8081B, 8082A, 8260B, 8270C, 8270D.)

Biological Tissue (Inorganic Parameters: EPA 6020A. Organic Parameters: EPA 3570, 3510C, 3610B, 3630C, 3640A, 8270C, 8270D.)

Air & Emissions (EPA TO-15.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 180.1, 1631E, 6020A, 7470A, 9040B, 9050A, SM2540D, 2540G, 4500H+B, 2320B, 3020A, . Organic Parameters: EPA 3510C, 3630C, 3640A, 3660B, 8081B, 8082A, 8270C, 8270D, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 3050B, 3051A, 6020A, 7471B, 9040B, 9045C. Organic Parameters: SW-846 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 8270C, 8015D, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3020A, SM2320B, SM2540D, 2540G, 4500H-B, EPA 180.1, 1631E, SW-846 7470A, 9040C, 6020A, 9050A. Organic Parameters: SW-846 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 8015D, 8081B, 8082A, 8270C, 8270D)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 1312, 3050B, 3051A, 6020A, 7471B, 7474, 9040B, 9040C, 9045C, 9045D, 9060. Organic Parameters: SW-846 3540C, 3570, 3580A, 3630C, 3640A, 3660B, 3665A, 8081B, 8082A, 8270C, 8270D, 8015D.)

Atmospheric Organic Parameters (EPA 3C, TO-15, TO-10A, TO-13A-SIM.)

Biological Tissue (Inorganic Parameters: SW-846 6020A. Organic Parameters: SW-846 8270C, 8270D, 3510C, 3570, 3610C, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. ***NELAP Accredited.*** -

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, 6020A, 1631E, 7470A, 9050A, EPA 180.1, 3020A. Organic Parameters: EPA 8270C, 8270D, 8081B, 8082A, 3510C.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020A, 7471B, 7474, 9040C, 9045D. Organic Parameters: EPA 8270C, 8270D, 8081B, 8082A, 1311, 3050B, 3580A, 3570, 3051A.)

Air & Emissions (EPA TO-15, TO-10A.)

Pennsylvania Certificate/Lab ID: 68-02089 ***NELAP Accredited*** -

Non-Potable Water (Inorganic Parameters: 1312, 1631E, 180.1, 3020A, 6020A, 7470A, 9040B, 9050A, 2320B, 2540D, 2540G, SM4500H+-B. Organic Parameters: 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 8015D, 8081B, 8082A, 8270C, 8270D .)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 3051A, 6020A, 7471B, 7474 9040B, 9045C, 9060. Organic Parameters: EPA3050B, 3540C, 3570, 3580A, 3630C, 3640A, 3660B, 3665A, 8270C, 8270D, 8081B, 8015D, 8082A.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. ***NELAP Accredited via NJ-DEP.*** -

Refer to NJ-DEP Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. ***NELAP Accredited.*** -

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID:460194. ***NELAP Accredited.*** -

Non-Potable Water (Inorganic Parameters:EPA 3020A, 6020A, 245.7, 9040B. Organic Parameters: EPA 3510C, 3640A, 3660B, 3665A, 8270C, 8270D, 8082A, 8081B, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020A,7470A,7471B,9040B,9045C,3050B,3051, 9060. Organic Parameters: EPA 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 3570, 8270C, 8270D, 8081B, 8082A, 8015D.)

Washington State Department of Ecology Certificate/Lab ID: C954. *Non-Potable Water* (Inorganic Parameters: SM2540D, 180.1, 1631E.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 7474, 9045C, 9050A, 9060. Organic Parameters: EPA 8081, 8082, 8015, 8270.)

U.S. Army Corps of Engineers

Department of Defense, L-A-B Certificate/Lab ID: L2217.01.

Non-Potable Water (Inorganic Parameters: EPA 6020A, SM4500H-B. Organic Parameters: 3020A, 3510C, 8270C, 8270D, 8270C-ALK-PAH, 8270D-ALK-PAH, 8082A, 8081B, 8015D-SHC, 8015D.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 3050B, 6020A, 7471A, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580A, 3570, 3540C, 8270C, 8270D, 8270C-ALK-PAH, 8270D-ALK-PAH 8082A, 8081B, 8015D-SHC, 8015D.

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **8270C:** Biphenyl. **TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 2-Methylnaphthalene, 1-Methylnaphthalene.

AIR ANALYSIS

PAGE 1 OF 1

ALPHA ANALYTICAL

CHAIN OF CUSTODY 3/3

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: L1301659

Client Information

Client: Louis Berger
Address: 295 Promenade Street
Providence, RI 02908
Phone: 401 521-5980
Fax:
Email: shogan@louisberger.com

☐ These samples have been Previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project Information

Project Name: Rose Hill Landfill
Project Location: South Kingstown, RI
Project #: CJI-1747
Project Manager: Chris Feeney
ALPHA Quote #:

Turn-Around-Time

☒ Standard ☐ Rush (only confirmed if pre-approved)

Date Due: Time:

Report/Data Deliverables Information

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Analysis

All Columns Below Must Be Filled Out

Alpha Lab Use Only	Sample ID	Collection Date	Collection Start Time	Collection End Time	Initial Vac	Final Vac	Sample Matrix*	Sampler Initials	Can Size	ID Can	ID Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Specific Comments (i.e. PID)
-1	GP-11	1/25/13	9:30	2:35	-29.4		SV	SH	2.7L	374	0302	☐	☒	☐	☐	☐	☐	☐	
-2	DUP (GP-11)	1/25/13	9:30	2:35	-29.5		SV	SH	2.7L	182	0348	☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
											Container Type	-	-	-	-	-	-	-	

SAMPLE MATRIX CODES:

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Relinquished By	Date/Time	Received By:	Date/Time
[illegible]	1/29/13 10:30	MCW	1/29/13 1[illegible]
MCW	1/29/13 1120	[illegible]	1/29/13 1120

Please print clearly & legibly and completely. Samples can not be logged in and turn around time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

Form 101-02 (I)
Revised 29-Dec-09