Rhode Island Department of Environmental Management

LANDFILL CLOSURE – ROSE HILL LANDFILL SUPERFUND SITE

ANNUAL MONITORING REPORT
Year 4: 2011-2012

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August 2012

SDMS Doc ID 521842

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EXECUTIVE SUMMARY

The Year 4 landfill post-closure monitoring and sampling regimen involved four quarterly sampling events conducted between Spring 2011 and Winter 2012 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 2011, second quarter sampling in July 2011, third quarter sampling in October 2011, and fourth quarter sampling in January 2012.

Groundwater

Groundwater monitoring and sampling was conducted in the first and second quarters. Fourteen monitoring wells and three residential wells were sampled in the first quarter; an additional residential well was added to the sampling regime in the second quarter. Samples were analyzed for metals, Volatile Organic Compounds (VOCs) and Semivolatile Organic Compounds (SVOCs). Manganese concentrations exceeded the Project Action Limit (PAL) in 17 samples collected from nine monitoring wells. The VOC vinyl chloride was detected above the PAL in a single well. The SVOC bis(2-ethylhexyl)phthalate was detected at a concentration above the PAL in one well. No other metals, VOCs, or SVOCs were detected at concentrations exceeding PALs.

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, cadmium, copper, iron, lead, manganese and zinc were detected above the PAL 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 gas probes, located on and off-site, detected concentrations of methane ranging from 0.0% to 1.4%; the average concentration of methane detected was 0.1%. Field monitoring of the gas flare detected methane concentrations ranging from 39.5% to 49.1%, with an average concentration of 44.2%.

Air samples were collected from three off-site gas probes, one on-site gas probe, and the gas flare during each of the four quarterly sampling events and analyzed for VOCs. The VOCs 1,1-dichloroethane, benzene, chloroform, cis-1,2-dichloroethene, n-hexane, tetrachloroethene, trichloroethene, trans-1,2-dichloroethene and vinyl chloride were detected above PALs in one or more samples. Due to the laboratory air sampling results being above the PALs, in accordance with the LTM Work Plan, a Screen3 Dispersion Modeling was conducted on the sampling results from the gas flare. Results of the Screen3 Model concluded that none of the pollutants exceeded the PALs established for the Site.

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1.0 INTRODUCTION

This report summarizes the results of Berger's Year 4 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 United States Environmental Protection Agency (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 between April 11 and 14, 2011; second quarter sampling was conducted on July 19 and July 20, 2011. 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. The 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 11 and April 14, 2011, and second quarter sampling between July 19 and July 21, 2011. 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 14, 2011; second quarter sampling on July 21, 2011; third quarter sampling on October 25, 2011; and fourth quarter sampling on January 24, 2012. 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 1.4%, with the highest methane reading occurring in GP-03 during the fourth quarter. The percent of methane in the gas flare ranged from 39.5% to 49.1%, with an average of 44.2%. 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	49.1
Q3	0.0	0.0 – 1.1	39.5
Q4	0.2	0.1 – 1.4	42.4
Year 4	0.1	0.0 – 1.4	44.2

The amount of VOCs in landfill probes ranged from 0.0 parts per million by volume (ppmv) to 10.7 ppmv, with the highest concentration of VOC detected in GP-13 during second quarter sampling. The concentration of VOCs in the gas flare ranged from 0.0% to 4.2%, with an average 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	4.2
Q2	0.5	0.0-10.7	0.0
Q3	0.0	0.0	0.0
Q4	0.1	0.0-0.4	0.1
Year 4	0.2	0.0-10.7	1.1

The concentration of H_2S in landfill probes ranged from 0 ppmv to 16 ppmv. The maximum concentration of H_2S was detected in GP-36 during the second quarter. In the gas flare, H_2S concentrations ranged from 2 ppmv to 11 ppmv, with an average of 4 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	10	0-16	11
Q3	0.2	0-5	2
Q4	0.0	0.0	2
Year 4	3	0-16	4

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, beryllium, cadmium, chromium, lead, manganese, sodium, vanadium, and zinc. Manganese was detected above the laboratory reporting limit in thirteen monitoring wells and in one residential well during first quarter sampling, and in thirteen monitoring wells and three residential wells during second quarter sampling. Manganese concentrations exceeded the PAL of 0.3 milligrams per liter (mg/L) in eight monitoring wells in the first quarter and in nine monitoring wells during the second quarter, with the highest concentration detected during the second quarter sampling round in MW-04-S (3.75 mg/L). The average concentration was 1.00 mg/L in the first quarter and 1.12 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 1.35 mg/L.

Aluminum was detected above the laboratory reporting limit in nine monitoring wells in the first quarter and in seven monitoring wells and one residential well 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 0.69 mg/L, in the sample collected from MW-07-DO during first quarter sampling. The average concentration of aluminum decreased from 0.08 mg/L in the first quarter to 0.04 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 one monitoring well (MW-07-BR) during the first quarter, at a concentration 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 4 sampling.

Arsenic was detected above the laboratory limit in eight monitoring wells in the first quarter and seven in the second quarter. 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 the first quarter was 0.0006 mg/L and in the second quarter 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 this sampling event.

Barium was detected at concentrations above the laboratory reporting limit in all monitoring wells in both quarters. Barium was detected in two residential wells in the first quarter and three in the second; one of these residential wells (RES #12) had not been previously sampled. 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 0.85 mg/L in MW-11-S in the second quarter; the average concentration was 0.02 mg/L in both quarters. Barium was not analyzed for during the pre-design investigation.

Beryllium was detected in MW-7-DO during first quarter sample, at a concentration below the PAL of 0.004 mg/L. This analyte was not detected during the pre-design investigation; however, the laboratory reporting limit was higher than concentrations detected during Year 4 sampling.

Cadmium was detected in MW-7DO in the first quarter. The concentration was below the PAL of 0.005 mg/L. Cadmium was not detected in the pre-design investigation; however, the laboratory detection limit during pre-design was set higher than concentrations of this metal detected during these rounds of sampling.

Chromium was detected above the laboratory reporting limit in three monitoring wells in both quarters; this metal was detected in three monitoring wells in the second quarter. The concentration did not exceed the PAL of 0.11 mg/L in any of the samples in which it was detected. The average concentration was 0.0003 mg/L in both quarters. During the pre-design

field investigation, chromium was detected below the PAL in a single well, MW-03-BR. The detection limit for chromium was higher in pre-design sampling than during this round of sampling.

Lead was detected at concentrations below the PAL of 0.015 mg/L in one sample collected from a monitoring well during the first quarter, and in one monitoring well and one residential well sample collected 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 4 sampling.

In both quarters, vanadium was detected above the laboratory reporting limit in one monitoring well and in one residential well. The concentration of vanadium did not exceed the PAL of 0.26 mg/L in any sample. In the pre-design field investigation vanadium was detected at a concentration below the PAL in two monitoring wells (MW-03-BR and MW-07-BR), the laboratory detection limit for vanadium was higher during pre-design than during this round of sampling.

Zinc was detected above the laboratory reporting limit in all wells in the first quarter; and in all 13 monitoring wells and three residential wells in the second quarter. The concentration of zinc did not exceed the PAL of 11.0 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. Concentrations ranged from 6.6 to 73 mg/L, with an average concentration of 21.5 mg/L in the first quarter and 22.1 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 mg/L.

Thallium was not detected above the laboratory reporting limit in any samples. This metal was also not detected during the pre-design investigation.

Table 3-1 below presents a summary of metals testing in groundwater field sampling.

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

ANALYTE	PAL (mg/L)	MEAN CONCENTRATION[1] (mg/L)							
		Q1		Q2		Year 4		Pre-Design	
		Mean	(#)	Mean	(#)	Mean	(#)	Mean[2]	(#)
Aluminum	3.7	0.0827	(9)	0.0388	(8)	0.0601	(17)	0.08	(9)
Antimony	0.006	0.0006	(1)	<0.0010	(0)	0.0005	(1)	<0.0060	(0)
Arsenic	0.01	0.0006	(8)	0.0005	(7)	0.0006	(15)	<0.0040	(0)
Barium	2.0	0.0229	(16)	0.0196	(16)	0.0212	(32)	NA	
Beryllium	0.004	0.0003	(1)	<0.0005	(0)	0.0003	(1)	<0.0010	(0)
Cadmium	0.005	0.0003	(1)	<0.0005	(0)	0.0003	(1)	<0.0020	(0)
Chromium	0.11	0.0003	(3)	0.0003	(3)	0.0005	(6)	0.0054	(1)
Lead	0.15	0.0003	(1)	0.0003	(2)	0.0003	(3)	<0.0050	(0)
Manganese	0.3	**1.00**	(15)	**1.12**	(16)	**1.06**	(31)	**1.35**	(24)
Sodium	NE	21.5	(17)	22.1	(17)	21.8	(34)	23.0	(33)
Vanadium	0.26	0.0004	(2)	0.0003	(2)	0.0004	(4)	0.0027	(2)
Zinc	11	0.0166	(17)	0.0160	(16)	0.0163	(33)	0.0099	(3)

Notes:
[1] Mean concentration calculated from positive results and one-half of laboratory detection 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, and vinyl-chloride.

Vinyl chloride was detected at a concentration of 5.8 mg/L in MW-4-DO during the second quarter, above the PAL of 2 mg/L. None of the other VOCs were detected at concentrations above PALs. During the pre-design field investigation all of these VOCs 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, trans-1,2-dichlroethene, and trichloroethene 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.

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

ANALYTE	PAL (µg/L)	MEAN CONCENTRATION[1] (µg/L)							
		Q1		Q2		Year 4		Pre-Design	
		Mean	(#)	Mean	(#)	Mean	(#)	Mean[2]	(#)
1,1-Dichloroethane	800	0.71	(4)	0.71	(5)	0.06	(9)	1.55	(14)
1,2-Dichlorobenzene	600	<2.50	(0)	<2.50	(0)	<MQL	(0)	1.29	(1)
1,2-Dichlproethane	5	<0.50	(0)	<0.50	(0)	<MQL	(0)	0.27	(2)
1,4-Dichlorobenzene	75	<2.50	(0)	<2.50	(0)	<MQL	(0)	1.69	(4)
Benzene	5	0.38	(3)	0.35	(3)	0.37	(6)	1.62	(15)
Chlorobenzene	100	0.48	(4)	0.49	(5)	0.49	(9)	2.20	(14)
Chloroethane	21,000	1.49	(4)	0.88	(2)	1.18	(6)	13.0	(12)
Cis-1,2-Dichloroethene	70	0.29	(1)	0.48	(1)	0.38	(2)	1.86	(9)
Ethyl ether	1,200	1.35	(1)	<2.50	(0)	1.37	(1)	6.10	(16)
Isopropylbenzene	660	<0.50	(0)	<0.50	(0)	<MQL	(0)	0.44	(10)
Methyl tert-butyl ether	12	0.58	(1)	0.57	(1)	0.58	(2)	0.69	(6)
n-Propylbenzene	NE	<0.50	(0)	<0.50	(0)	<MQL	(0)	0.30	(5)
o-Xylene	1400	<1.00	(0)	<1.00	(0)	<MQL	(0)	0.39	(5)
p/m-Xylene	1400	<1.00	(0)	<1.00	(0)	<MQL	(0)	0.36	(2)
Tetrahydrofuran	8.8	<5.00	(0)	<5.00	(0)	<MQL	(0)	6.85	(2)
Toluene	1000	<0.75	(0)	<0.75	(0)	<MQL	(0)	0.42	(2)
Trichloroethene	5	<0.50	(0)	<0.50	(0)	<MQL	(0)	0.30	(4)
Vinyl Chloride	2	0.55	(1)	0.79	(1)	0.67	(1)	**3.55**	(8)

Notes:
[1] Mean concentration calculated from positive results and one-half of laboratory detection limits for non-detections
< # =Less than the method quantitation limit
Bold Text indicates exceeds PAL
<MQL – Less than method quantitation limit
NE- None Established

3.2.3 Semi-Volatile Organic Compounds

The SVOC bis(2-ethylhexyl)phthalate was detected in a single monitoring well, MW-11-S during second quarter sampling at a concentration of 6.4 µg/L, above the PAL of 6 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 project quantification limit (PQL) 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, arsenic, cadmium, chromium, copper, iron, lead, manganese, nickel, and zinc. Concentrations of aluminum, cadmium, 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, cadmium, chromium, copper, iron, lead, manganese, nickel, and zinc.

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 all samples collected during the first quarter and in two samples collected during the second quarter. The highest concentration detected was 279 µg/L in sample SW-11 during the second quarter. The average concentration of aluminum increased slightly from 143 µg/L to 150 µg/L between the first and second quarters. In the pre-design investigation, aluminum was detected above the PAL in all 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 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 4 sampling.

Cadmium was detected in a single sample, SW-09, during the second quarter. The concentration of cadmium detected was 1.4 µg/L. Cadmium was not detected during the pre-design investigation.

Chromium was detected at concentrations below the PAL of 16 µg/L in several samples. This metal was not detected during the pre-design investigation; however, the laboratory reporting limit was higher during the pre-design.

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 31.4 µg/L, collected from SW-01 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 current sampling round.

Iron was detected in all samples collected. The concentration of iron exceeded the PAL of 1,000 µg/L in the samples collected from SW-01 and SW-12 during the second quarter, with a maximum concentration of 4,590 µg/L detected in SW-01. The average concentration of iron increased from 478 µg/L to 2,377 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 all samples collected. The concentration of lead exceeded the PAL of 0.3 µg/L all samples. The highest concentration detected was 66.9 µg/L in 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 detection limit in all samples. The concentration of manganese exceeded the PAL of 300 µg/L in the sample collected from SW-12 during the second quarter. The highest concentration, 789 µg/L, was detected in SW-12 during second quarter sampling. The average concentration of manganese increased from 82.0 µg/L in the first quarter to 232 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 all samples during the both quarters. The highest concentration of nickel detected was 1.7 µg/L in SW-01 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 the Year 4 sampling.

Zinc was detected above the laboratory limit in all samples. Samples from SW-01 and SW-09 had concentrations of zinc exceeding the PAL of 24 µg/L in the second quarter; the maximum concentration detected was 348.4 µg/L in SW-01. Zinc was detected below the PAL in one of the samples from SW-09 during the pre-design investigation.

Silver was not detected in any samples; it was also not detected during the pre-design investigation.

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

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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 4		Pre-Design	
		Mean	(#)	Mean	(#)	Mean	(#)	Mean	(#)
Aluminum	87	**143**	(4)	**150**	(4)	**147**	(8)	**171**	(7)
Arsenic	150	0.44	(1)	0.66	(1)	0.55	(2)	<4.00	(0)
Cadmium	0.07	**<0.5**	(0)	**0.54**	(1)	**0.39**	(1)	**<2.00**	(0)
Chromium	16	0.49	(3)	0.34	(1)	0.41	(4)	<10.0	(0)
Copper	1.8	1.70	(4)	**10.8**	(4)	**6.26**	(8)	**<10.0**	(0)
Iron	1,000	478	(4)	**2,377**	(4)	**1,427**	(8)	**1,569**	(8)
Lead	0.3	**8.05**	(4)	**17.4**	(4)	**12.7**	(8)	**7.31**	(2)
Manganese	300	82.0	(4)	232	(4)	157	(8)	230	(8)
Nickel	100	0.83	(4)	1.10	(4)	0.96	(8)	<10.0	(0)
Zinc	24	19.7	(4)	**124**	(4)	**71.7**	(8)	6.88	(1)

Notes:
[1] Mean concentration calculated from positive results and one-half of laboratory detection 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 method quantitation 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, chromium, 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 samples. The concentration of this metal exceeded the PAL of 87 µg/L in all samples collected during the first quarter and in two of the samples collected during the second quarter. The highest concentration detected was 279 µg/L in sample SW-06, the furthest downstream sample, during the first quarter. The average concentration of aluminum decreased from 144 µg/L to 104 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-17). Arsenic was not detected in any samples during the pre-design investigation, however, the laboratory reporting limit was higher than in Year 4 sampling.

Chromium was detected in all samples collected during the first quarter and in one sample collected during the second sample. The concentration of chromium did not exceed the PAL of 16 µg/L in any of these samples. Chromium was not detected during the pre-design investigation; the laboratory reporting limit during pre-design was higher than during Year 4.

Copper was detected in all samples. The concentration of copper exceeded the PAL of 1.8 µg/L in one sample collected during the first quarter and two samples collected during the second quarter. The maximum concentration of this analyte detected was 3.0 µg/L, collected from SW-06 during first quarter sampling. The average concentration of copper increased from 1.38 µg/L to 1.60 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 SW-17 (2,300 µg/L) during the second quarter. The average concentration of iron increased from 213 µg/L to 964 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 one sample during the first quarter and in two 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 2.0 µg/L, in SW-06 during first quarter sampling. The laboratory report 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 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 (610 µg/L). The average concentration of manganese increased from 85.2 µg/L in the first quarter to 322 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 four samples during the first quarter and in three samples in the second quarter. The highest concentration of nickel detected was 0.8 µg/L in SW-06 during both quarters. 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 4 sampling.

Zinc was detected above the laboratory limit in all samples. One of the samples collected during the first quarter and all of the samples collected during the second quarter contained zinc in concentrations exceeding the PAL of 24 µg/L. The maximum concentration detected was 1,292 µg/L, in downstream sample SW-06 during the second quarter; the average concentration increased from 22.2 µg/L to 378 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 4 sampling.

Cadmium and silver were not detected in any samples. These metals were also not detected during the pre-design investigation. 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 4		Pre-Design	
		Mean	(#)	Mean	(#)	Mean	(#)	Mean	(#)
Aluminum	87	**144**	(4)	**104**	(4)	**124**	(8)	**269**	(8)
Arsenic	150	0.31	(1)	<0.05	(0)	0.28	(1)	<4.0	(0)
Chromium	16	0.63	(4)	0.31	(1)	0.47	(5)	<10	(0)
Copper	1.8	1.38	(4)	1.60	(4)	1.49	(8)	<10	(0)
Iron	1,000	213	(4)	964	(4)	588	(8)	**1,075**	(8)
Lead	0.3	**0.69**	(1)	**0.60**	(2)	**0.64**	(3)	**<5.00**	(0)
Manganese	300	85.2	(4)	**322**	(4)	204	(8)	114	(8)
Nickel	100	0.68	(4)	0.81	(3)	0.74	(7)	<10	(0)
Zinc	24	22.2	(4)	**378**	(4)	**200**	(8)	5.63	(1)

Notes:
[1] Mean concentration calculated from positive results and one-half of laboratory detection 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 method quantitation 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 aluminum, cadmium, copper, iron, lead, manganese, and zinc exceeded PALs in one or more samples.

Mitchell Brook

Samples collected from the four 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, cadmium, copper, iron, lead, manganese, nickel, and zinc.

Aluminum was detected in all samples. 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 255 µg/L detected in the first quarter. The average concentration of aluminum detected decreased from 103 µg/L in the first quarter to 67.3 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 and an average concentration of 171 µg/L.

Arsenic was detected in both samples from SW-01; this sampling location is located upstream of the site. The concentration of arsenic detected in both samples was below the PAL of 150 µg/L. In the pre-design investigation, arsenic was not detected.

Cadmium was detected in a single sample (SW-09) at a concentration of 1.50 µg/L, above the PAL of 0.07 µg/L. Although not detected in any other samples, the laboratory reporting limit was set higher than the PAL. Cadmium was not detected during the pre-design investigation; the laboratory reporting limit was higher than the PAL.

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 4.2 µg/L, detected in SW-01 during the second 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 two samples collected during the second quarter, with a maximum concentration of 1,730 detected in SW-01. The average concentration of iron increased from 184 µg/L to 1,057 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 two samples in the first quarter and three samples 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 13 µg/L, collected during second quarter sampling from SW-01, located upstream of the site. During the pre-design investigation lead was detected at concentrations above the PAL in three samples from two locations. The laboratory detection 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 (549 µg/L). The average concentration of manganese increased from 66.3 µg/L to 171 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 all samples. The highest nickel concentration was 1.2 µg/L in SW-9 during the second 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 699.4 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.

Chromium and silver were not detected in any samples during this sampling round or during the pre-design investigation. 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 4		Pre-Design	
		Mean	(#)	Mean	(#)	Mean	(#)	Mean[2]	(#)
Aluminum	87	**103**	(4)	67.3	(4)	85.0	(8)	**171**	(7)
Arsenic	150	0.36	(1)	0.44	(1)	0.40	(2)	**<4.00**	(0)
Cadmium	0.07	**<0.50**	(0)	**0.56**	(1)	**0.41**	(1)	**<2.00**	(0)
Copper	1.8	**1.88**	(4)	**2.63**	(4)	**0.25**	(8)	**5.62**	(1)
Iron	1,000	184	(4)	**1,057**	(4)	620	(8)	401	(7)
Lead	0.3	**1.75**	(2)	**3.71**	(3)	**2.73**	(5)	**11.0**	(3)
Manganese	300	66.3	(4)	171	(4)	119	(8)	179	(7)
Nickel	100	0.70	(4)	0.98	(4)	0.84	(8)	<10	(0)
Zinc	24	**64.3**	(4)	**303**	(4)	**183**	(8)	8.13	(3)

Notes:
[1] Mean concentration calculated from positive results and one-half of laboratory detection 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 method quantitation 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, lead, manganese, nickel, and zinc.

Aluminum was detected in all samples. The concentration of this metal was above the PAL of 87 µg/L in the second quarter sample from SW-06 (226 µg/L). The average concentration of aluminum detected decreased from 113 µg/L in the first quarter to 28.5 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) occurring in one of the samples from SW-04; the average concentration was 119 µg/L.

Copper was detected in all samples. The concentration of copper exceeded the PAL of 1.8 µg/L in the SW-06 sample in the second quarter (2.8 µg/L). The average concentration of copper detected decreased from 1.78 µg/L to 1.53 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 increased from 142 µg/L to 252 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.

Lead was detected at concentrations above the PAL of 0.3 µg/L in three samples. The maximum concentration detected was 1.5 µg/L in SW-06 in the first quarter. The laboratory detection limit for lead was higher than the PAL. Lead was not detected during the pre-design investigation; the laboratory detection limit was higher than in Year 4.

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 (535 µg/L). The average concentration of manganese increased from 75.0 µg/L to 243 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. The highest nickel concentration was 1.1 µg/L in SW-17 during second quarter sampling. The average nickel concentration was 0.65 µg/L in the first quarter and 0.85 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 during both quarters. The concentration of zinc exceeded the PAL of 24 µg/L in all samples except for the first quarter sample from SW-02. The highest concentration of zinc was 1,319 µg/L, detected in SW-16 during second quarter sampling. The

average zinc concentration increased from 36.0 µg/L to 406 µg/L. During the pre-design investigation, zinc was detected at concentrations below the PAL in one sample from SW-04.

Arsenic, cadmium, chromium, 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.

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 4		Pre-Design	
		Mean	(#)	Mean	(#)	Mean	(#)	Mean[2]	(#)
Aluminum	87	**113**	(4)	28.5	(4)	70.9	(8)	**119**	(6)
Copper	1.8	1.78	(4)	1.53	(4)	1.65	(8)	**5.63**	(1)
Iron	1,000	142	(4)	252	(4)	197	(8)	293	(7)
Lead	0.30	**0.56**	(1)	**0.53**	(2)	**0.54**	(3)	**<10.0**	(0)
Manganese	300	75.0	(4)	243	(4)	159	(8)	100	(8)
Nickel	100	0.65	(4)	0.85	(4)	0.75	(8)	<10.0	(0)
Zinc	24	**36.0**	(4)	**406**	(4)	**221**	(8)	5.63	(1)

Notes:
[1] Mean concentration calculated from positive results and one-half of laboratory detection 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

3.3.3 Other Analytes

Mitchell Brook

Total organic carbon (TOC) was detected in all surface water samples. The highest concentration of 8.8 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 5.43 mg/L in the first quarter and 6.18 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 two samples during the first quarter and in three samples during the second quarter sampling. No PAL has been established for ammonia. The highest concentration

detected was 0.77 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-13 in the first quarter. The concentration of nitrate did not exceed the PAL (10 mg/L) in any sample; the maximum concentration detected was 1.7 mg/L in SW-9 during the second quarter. The average concentration of nitrate was lower in the first quarter (0.0.15 mg/L) than in the second (0.62 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 0.01 mg/L, detected during the second quarter in SW-09. A PAL has not been established for phosphorus. The average concentration of phosphorus increased from 0.03 mg/L to 0.05 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 4 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.

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

ANALYTE	PAL (mg/L)	MEAN CONCENTRATION[1] (mg/L)							
		Q1		Q2		Year 4		Pre-Design	
		Mean	(#)	Mean	(#)	Mean	(#)	Mean	(#)
TOC	NE	5.43	(4)	6.18	(4)	5.80	(8)	5.71	(8)
Ammonia	NE	0.08	(2)	0.32	(3)	0.20	(5)	0.41	(4)
Nitrate	10	0.13	(3)	0.62	(4)	0.37	(7)	0.08	(2)
Phosphorus	NE	0.03	(4)	0.05	(4)	0.04	(8)	NA	
Hardness	NE	13.28	(4)	16.5	(4)	14.9	(8)	NA	

Notes:
[1] Mean concentration calculated from positive results and one-half of laboratory detection 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, 9.6 mg/L, was detected in sample SW-06 during the first quarter. No PAL has been established for TOC. The average concentration of TOC decreased from 6.18 mg/L to 4.00 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 two samples during the first quarter and in three samples during the second quarter sampling. No PAL has been established for ammonia. The highest concentration detected was 0.45 mg/L in SW-06 during the second quarter. During the pre-design investigation ammonia was detected in four samples.

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-02 during the second quarter. The average concentration of nitrate was lower in the first quarter (0.60 mg/L) than in the second (0.95 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 0.08 mg/L, detected during the first quarter in SW-6; a PAL has not been established for phosphorus. The average concentration of phosphorus increased from 0.03 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 4 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 4		Pre-Design	
		Mean	(#)	Mean	(#)	Mean	(#)	Mean[2]	(#)
TOC	NE	6.18	(4)	4.00	(4)	5.09	(8)	6.14	(8)
Ammonia	NE	0.08	(2)	0.23	(3)	0.15	(5)	0.36	(5)
Nitrate	10	0.60	(4)	0.95	(4)	0.78	(8)	0.38	(8)
Phosphorus	NE	0.03	(4)	0.04	(4)	0.03	(8)	NA	
Hardness	NE	15.8	(4)	25.0	(4)	20.4	(8)	NA	

Notes:
[1] Mean concentration calculated from positive results and one-half of laboratory detection 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, tetrachloroethene, toluene, trans-1,2-dichloroethene, trichloroethene, trichlorofluoromethane, and vinyl chloride.

The analyte 1,1-dichloroethane was detected in three GF samples. The concentration of this VOC exceeded the PAL of 0.1 parts per million by volume (ppbv) in all of the samples in which it was detected, with a maximum concentration of 86.5 ppbv detected in the second quarter. The laboratory detection limit was 0.5 ppbv, higher than the PAL.

Benzene was detected in 17 samples. The concentration detected exceeded the PAL, 9 ppbv, in two samples. The highest concentration detected was 49.8 ppbv in GF during third quarter sampling. The average concentration of benzene was 4.71 ppbv.

Chloroform was detected in five samples; the concentration of this VOC exceeded the PAL of 0.04 ppbv in all of these samples. 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 maximum concentration detected was 0.60 ppbv in GP-11 during third quarter sampling.

The VOC cis-1,2-dichloroethne was detected in three samples and exceeded the PAL of 200 ppbv in all three of these samples. The maximum concentration of this analyte detected, 3,370 ppbv, occurred in GF during third quarter sampling. The average concentration detected was 270 ppbv.

N-hexane was detected in 19 samples; the concentration detected exceeded the PAL of 50 ppbv in two samples. The highest concentration of n-hexane detected (290 ppbv) occurred in GF in the third quarter. The average concentration of n-hexane for all quarters was 16.1 ppbv.

Tetrachloroethene was detected in the GF sample during third quarter monitoring at a concentration exceeding the PAL of 0.03 ppbv (51.6 ppbv). While this VOC was not detected in any other samples, the laboratory detection limit was higher than the PAL; therefore it may have been exceeded in other samples.

The VOC trans-1,2-dichloroethene was detected in three samples. A single sample collected from GF during third quarter sampling exceeded the PAL of 20 ppbv (21.2 ppbv). The average concentration of this VOC was 1.83 ppbv.

Trichloroethene was detected in five samples. The concentration of trichloroethene in three of the samples from GF exceeded the PAL of 90 ppbv. The highest concentration detected was 1,920 ppbv, detected during third quarter sampling. The average concentration of trichloroethene detected was 132 ppbv.

The potential occupational carcinogen vinyl chloride was detected in six samples, and exceeded the PAL of 40 ppbv in three GF samples. The highest concentration detected was 3,690 ppbv, during third quarter sampling. The average concentration of vinyl chloride detected was 994 ppbv.

The VOCs 2-butanone and propylene were detected in 20 samples, dichlorodifluoromethane and toluene in 19; chloromethane in 18; carbon disulfide in 16; trichlorofluoromethane in 14; cyclohexane in 6; chloroethane and ethylbenzene in 5; 1,1,1-trichloroethane, 1,2,4-trimethylbenzene, methylene chloride, o-xylene, and p/m-xylene in 4; and 1,1-dichloroethene,

1,3,5-trimethylbenzene, and styrene in 3. None of these VOCs were detected at concentrations exceeding their respective PALs.

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

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, the VOCs 1,1,1-trichloroethane, 1,1,-dichloethane, 1,1-dichoroethene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene benzene, chloroethane, cis-1,2-dichlorethene, dichlorodifluoromethane, ethylbenzene, Freon-114, o-xylene, p/m-xylene, toluene, trans-1,2-dichlorethne, and vinyl chloride were detected; these VOCs were also detected in Year 4 sampling. No other VOCs were detected during the pre-design investigation.

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 4		Pre-Design	
		Mean	(#)	Mean	(#)	Mean	(#)	Mean	(#)	Mean	(#)	Mean	(#)
1,1,1-Trichloroethane	700	<MQL	(0)	13.8	(1)	37.1	(2)	2.20	(1)	13.3	(4)	2.07	(2)
1,1-Dichloroethane	0.1	<MQL	(0)	**17.8**	(1)	**43.4**	(1)	**7.45**	(1)	**17.2**	(3)	**9.23**	(3)
1,1-Dichloroethene	50	<MQL	(0)	1.75	(1)	3.87	(1)	0.86	(1)	1.66	(3)	12.2	(1)
1,2,4-Trimethylbenzene	60	<MQL	(0)	<MQL	(0)	<MQL	(0)	2.42	(4)	1.05	(4)	2.59	(3)
1,3,5-Trimethylbenzene	60	<MQL	(0)	<MQL	(0)	<MQL	(0)	0.68	(3)	0.62	(3)	2.29	(3)
2-Butanone	1,000	41.4	(5)	108	(5)	47.0	(5)	30.7	(5)	56.7	(20)	NA	
Benzene	9	0.70	(3)	3.08	(5)	**10.5**	(5)	2.55	(4)	4.71	(17)	**14.1**	(3)
Carbon disulfide	200	0.86	(3)	6.67	(5)	2.97	(4)	0.53	(4)	2.76	(16)	<MQL	(0)
Chloroethane	4,000	<MQL	(0)	73.7	(3)	236	(1)	40.2	(1)	84.7	(5)	18.4	(3)
Chloroform	0.04	<MQL	(0)	**0.31**	(2)	**1.64**	(2)	**0.33**	(1)	**0.61**	(5)	<MQL	(0)
Chloromethane	200	1.28	(5)	2.80	(5)	2.22	(4)	0.72	(4)	1.75	(18)	6.71	(7)
Cis-1,2-Dichloroethene	200	<MQL	(0)	**244**	(1)	**674**	(1)	162	(1)	270	(3)	49.1	(3)
Cyclohexane	2,000	<MQL	(0)	27.1	(1)	47.3	(3)	7.02	(2)	24.2	(6)	NA	
Dichlorodifluoromethane	100	0.77	(5)	13.3	(5)	17.5	(5)	4.76	(5)	9.09	(19)	**83.7**	(9)
Ethylbenzene	200	<MQL	(0)	<MQL	(0)	5.91	(2)	0.71	(3)	1.74	(5)	<M QL	(0)
Freon-113	NE	<MQL	(0)	<MQL	(0)	1.49	(1)	<MQL	(0)	0.52	(1)	<MQL	(0)
Freon-114	NE	0.37	(2)	6.21	(1)	13.7	(2)	2.18	(1)	5.61	(6)	<MQL	(0)
Methylene Chloride	300	<MQL	(0)	<MQL	(0)	1.24	(3)	<MQL	(0)	0.46	(4)	<MQL	(0)
n-hexane	50	0.96	(4)	0.32	(5)	59.1	(5)	1.17	(5)	16.1	(19)	NA	(0)
o-Xylene	700	<MQL	(0)	<MQL	(0)	1.56	(1)	0.87	(3)	0.67	(4)	5.48	(4)
p/m-Xylene	700	<MQL	(0)	<MQL	(0)	3.11	(1)	8.54	(3)	10.1	(4)	4.45	(4)
Propylene	2,000	15.5	(5)	52.7	(5)	58.3	(5)	21.4	(5)	37.0	(20)	NA	(0)
Styrene	200	<MQL	(0)	<MQL	(0)	<MQL	(0)	0.29	(3)	0.17	(3)	<MQL	(0)
Tetrachloroethene	0.03	<MQL	(0)	<MQL	(0)	**10.43**	(1)	<MQL	(0)	**2.83**	(1)	<MQL	(0)
Toluene	100	0.45	(4)	5.00	(5)	6.89	(5)	1.57	(5)	3.64	(19)	38.1	(8)
Trans-1,2-Dichloroethene	20	<MQL	(0)	2.06	(1)	4.35	(1)	0.89	(1)	1.83	(3)	10.3	(3)
Trichloroethene	90	0.30	(1)	56.9	(1)	**384**	(1)	86.1	(2)	**132**	(5)	60.4	(4)
Trichlorofluoromethane	200	0.23	(3)	0.64	(4)	1.62	(3)	0.40	(4)	0.72	(14)	MQL	(0)
Vinyl chloride	40	0.26	(1)	**767**	(3)	**3,690**	(1)	**966**	(1)	**994**	(6)	**1,185**	(8)

Notes:
[1] Mean concentration calculated from positive results and one-half of laboratory detection limits for non-detections.
(#) = Number of positive analytical results NA = Not Analyzed
Bold Text indicates exceeds PAL <MQL= Less than method quantitation 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 2011, July 2011, October 2011, and January 2012) for the gas flare and the two gas vent points sampled prior to installation of the gas flare. Values below the Method Detection 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.

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4.0 DISCUSSION

The Year 4 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 the first quarter and in nine monitoring wells during the second quarter. The average concentration of manganese was 1.00 mg/L in the first quarter and 1.12 mg/L in the second quarter.

- Aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, lead, sodium, vanadium, 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, vanadium 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 4 sampling, and beryllium was not analyzed for in the pre-design investigation.

- The VOC vinyl chloride was detected in one sample each quarter, the concentration in the sample collected during the second quarter exceeded 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 a single monitoring well, at a concentration above the PAL. During the pre-design field investigation this SVOC 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, cadmium, chromium, copper, iron, lead, manganese, nickel, and zinc. Concentrations of aluminum, cadmium, 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, chromium, 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, cadmium, copper, iron, lead, manganese, nickel, and zinc.

Concentrations of aluminum, cadmium, 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, lead, manganese, nickel, and zinc. Concentrations of aluminum, iron, lead, 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, n-hexane, tetrachloroethene, 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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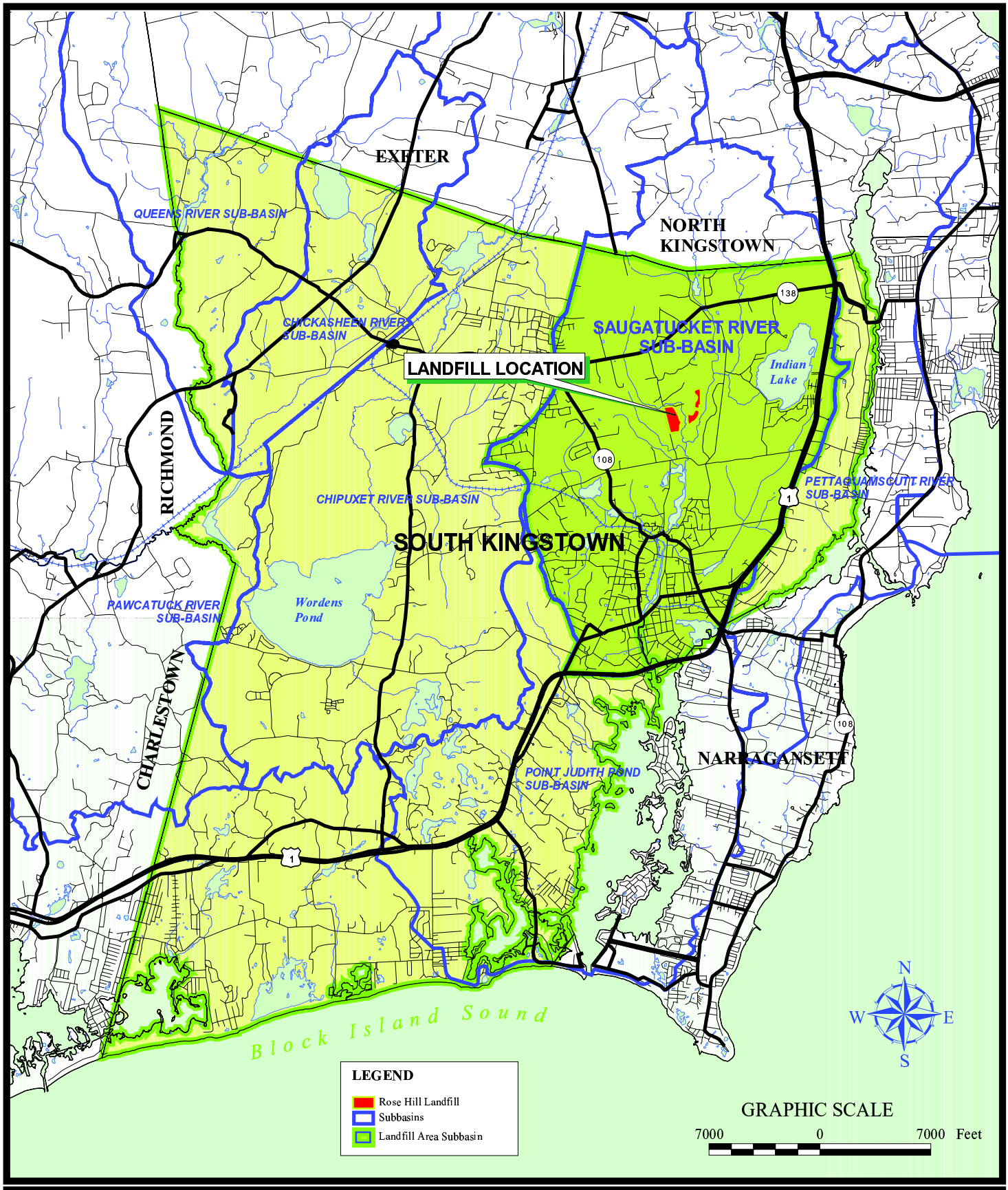
APPENDIX A

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

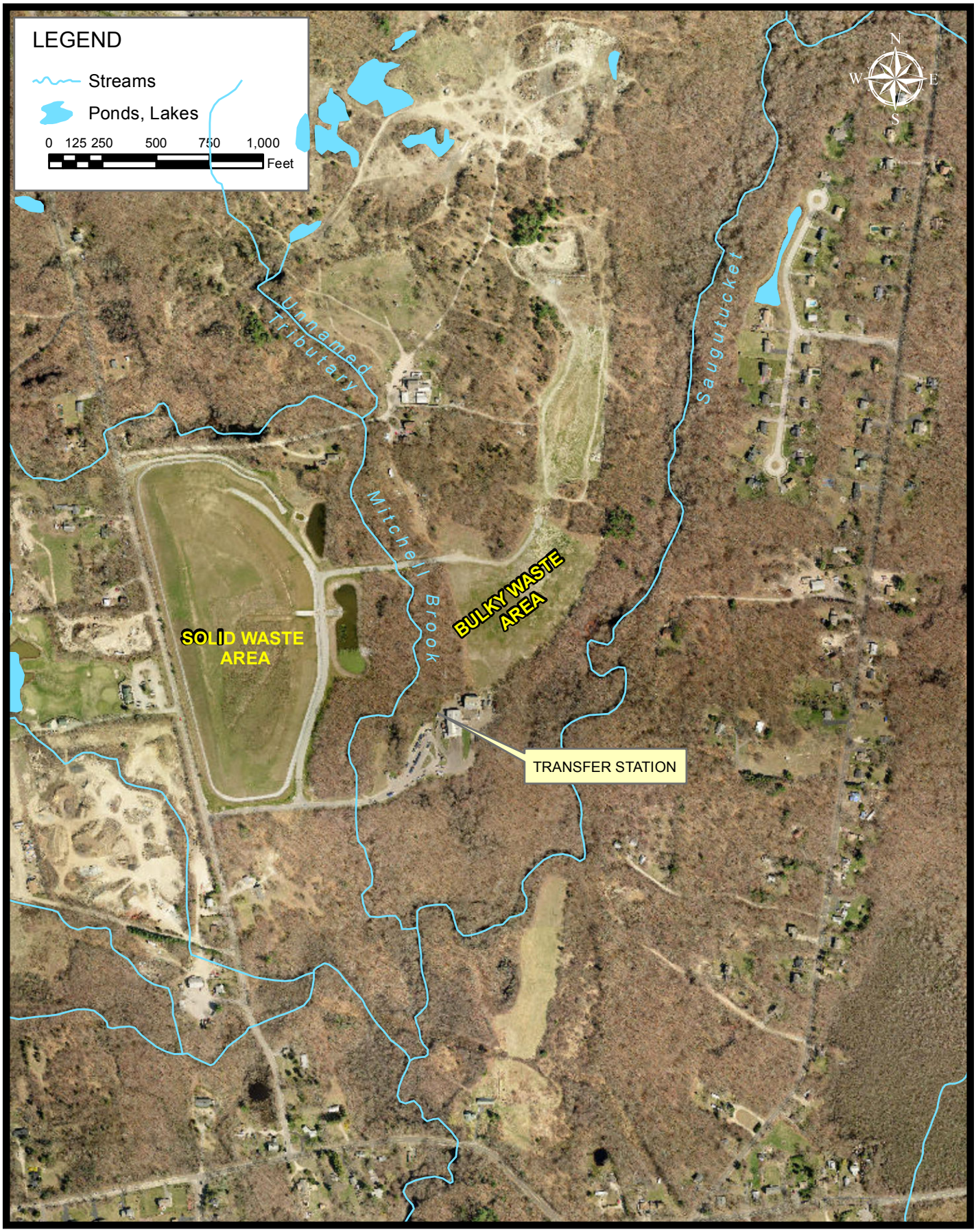


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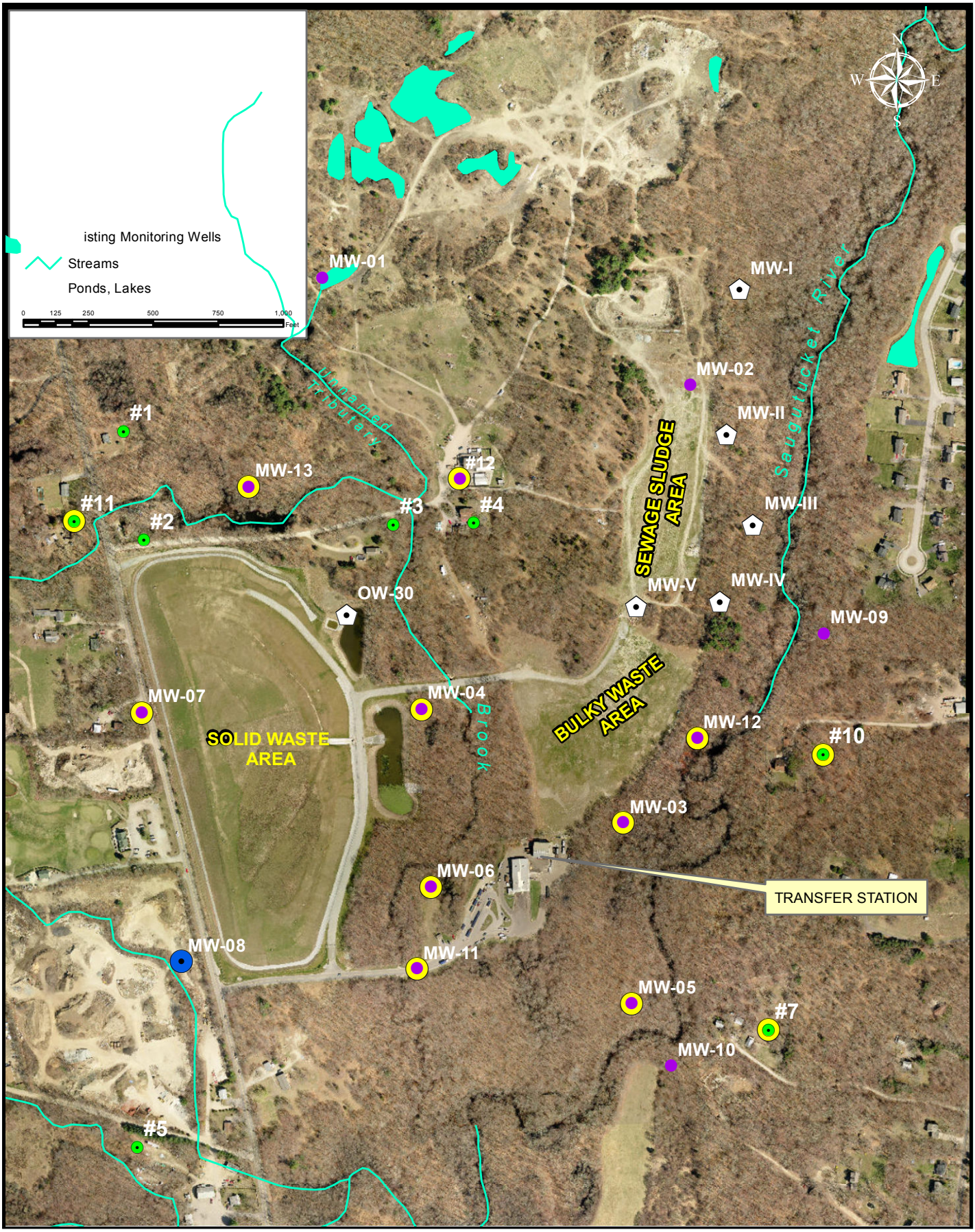
Figure 2: SITE AERIAL EXISTING FEATURES MAP

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



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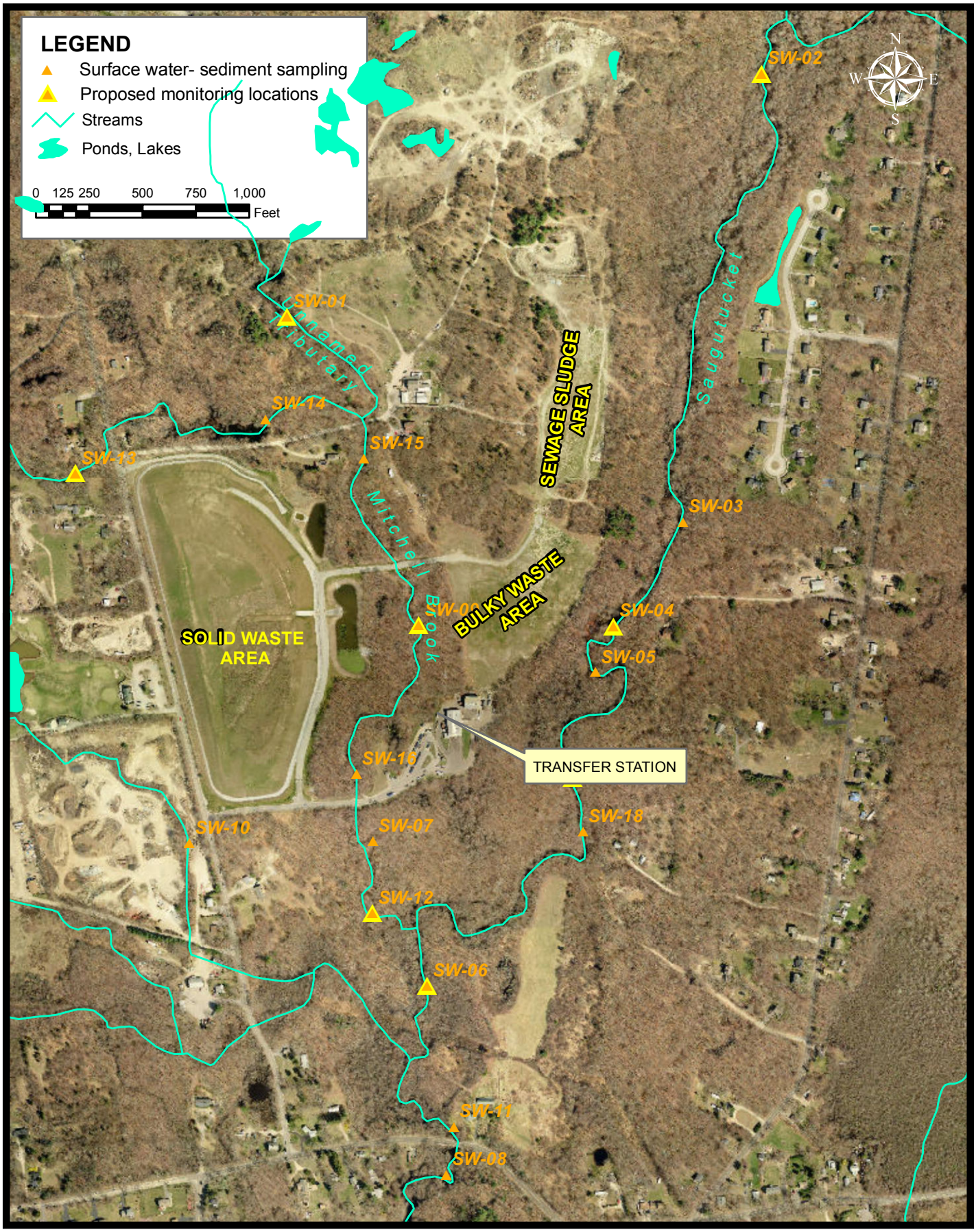
Well Decommissioning - Rose Hill Landfill

Figure 3: POST CLOSURE MONITORING PROGRAM GROUNDWATER

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



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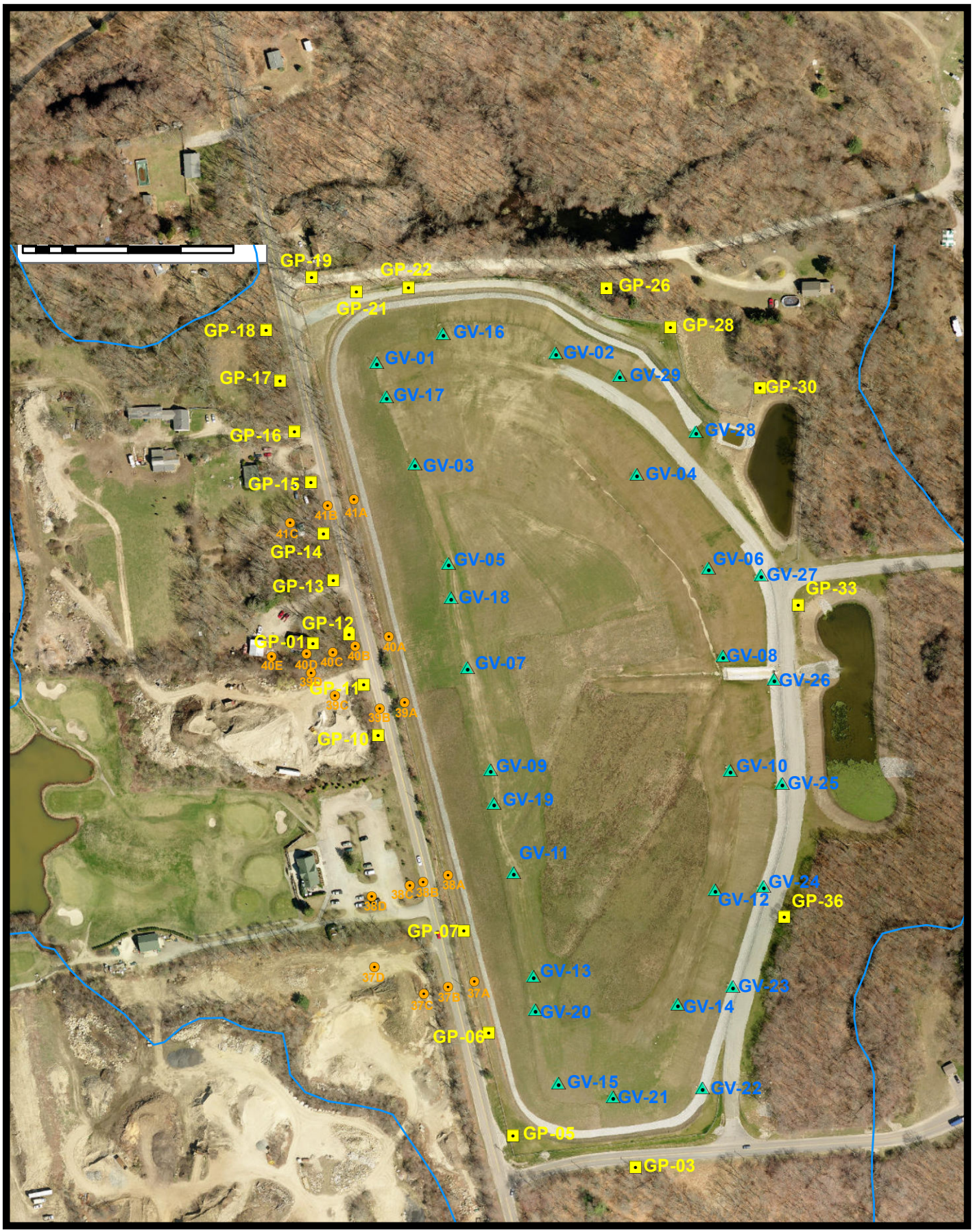
Remedial Action - Rose Hill Landfill

Figure 4: POST CLOSURE MONITORING PROGRAM SURFACE WATER

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



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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 4

Well ID	Well Diameter	Quarter	Depth to Water [1]	Comments
MW-03S	2 - inch	Q1	2.19	
		Q2	2.81	
MW-03BR	6 - inch	Q1	<0	Artesian conditions, water flowing through hole 0.45' below top of casing.
		Q2	<0	Artesian conditions.
MW-04S	2 - inch	Q1	3.53	
		Q2	4.73	
MW-04DO	2 - inch	Q1	3.41	
		Q2	4.60	
MW-05S	2 - inch	Q1	9.11	
		Q2	6.61	
MW-06DO	2 - inch	Q1	5.82	
		Q2	5.88	
MW-07DO	2 - inch	Q1	NR	
		Q2	19.51	
MW-07BR	4 - inch	Q1	NR	
		Q2	22.34	
MW-11S	2 - inch	Q1	7.34	
		Q2	8.35	
MW-11DO	2 - inch	Q1	6.71	
		Q2	7.79	
MW-11BR	6 - inch	Q1	4.80	
		Q2	6.04	
MW-12S	2 - inch	Q1	1.16	
		Q2	1.83	
MW-12DO	2 - inch	Q1	1.71	
		Q2	2.60	
MW-13S	2 - inch	Q1	6.00	
		Q2	7.84	

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 4

Well ID		Time	Flow Rate (RPM)	pH	Conductivity (ms/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	ORP (mV)	Comments
MW-03S	Q1	10:36	275	5.88	83	4.48	42.8	161.3	
		10:41	275	5.80	81	3.65	55.7	163.3	
		10:46	275	5.78	83	3.00	37.8	160.2	
		10:51	275	5.78	84	2.91	39.1	158.7	
	Q2	10:05	275	5.72	0.088	4.53	4.2	86.5	
		10:10	275	5.30	0.086	4.03	0.1	109.9	
		10:15	275	5.21	0.086	3.61	-0.4	115.3	
		10:20	275	5.21	0.086	3.55	-0.5	115.7	
MW-03BR	Q1	10:00	275	6.62	133	6.00	50.9	74.7	
		10:05	275	6.64	135	5.62	52.9	100.6	
		10:10	275	6.64	135	5.59	37.3	105.1	
		10:15	275	6.64	135	5.57	37.8	104.9	
	Q2	9:24	275	6.76	0.171	0.90	122.8	-23.6	
		9:29	275	6.74	0.170	0.46	52.1	-39.9	
		9:34	275	6.71	0.167	0.24	19.4	-55.3	
		9:39	275	6.71	0.165	0.22	17.9	-56.2	
MW-04S	Q1	9:02	275	6.21	89	4.84	2863.0	60.2	
		9:07	275	5.72	68	0.42	279.0	113.8	
		9:12	275	5.96	82	0.31	216.0	48.4	
		9:17	275	6.08	91	0.27	287.0	24.2	
		9:22	275	6.19	101	0.23	288.0	-0.5	
	Q2	7:38	275	6.77	0.107	1.83	342.4	-77.4	
		7:43	275	5.93	0.130	0.37	172.9	-58.0	
		7:48	275	5.86	0.130	0.31	104.7	-54.8	
		7:53	275	5.90	0.131	0.26	71.7	-56.7	
		7:58	275	5.92	0.132	0.22	50.5	-57.1	
MW-04DO	Q1	8:35	275	6.95	117	1.26	11228.0	-27.4	
		8:40	275	6.56	115	0.40	16349.0	1.5	
		8:45	275	6.46	116	0.28	14236.0	4.2	
		8:50	275	6.46	118	0.24	5505.0	-2.7	
	Q2	8:12	275	6.48	0.145	0.39	9.7	-84.6	
		8:17	275	6.53	0.141	0.23	3.4	-102.3	
		8:22	275	6.53	0.143	0.16	2.8	-105.3	
		8:27	275	6.49	0.158	0.15	1.8	-105.1	
		8:32	275	6.37	0.203	0.14	1.5	-99.3	
MW-05S	Q1	12:07	275	5.76	106	6.95	123.8	80.8	
		12:12	275	5.75	106	7.20	131.2	24.4	
		12:17	275	5.75	106	6.64	134.4	31.3	
		12:22	275	5.74	106	6.94	136.6	17.0	
	Q2	10:56	275	5.80	0.004	7.70	65.1	94.0	
		11:01	275	5.25	0.091	8.41	6.1	115.5	
		11:06	275	5.09	0.090	8.51	2.5	121.9	
		11:11	275	5.05	0.090	8.63	2.1	123.1	
MW-6DO	Q1	9:46	275	6.51	278	1.24	414.0	-17.3	
		9:51	275	6.52	278	0.36	722.0	-19.4	
		9:56	275	6.52	281	0.30	387.0	-22.3	
		10:01	275	6.52	282	0.20	289.0	-28.0	
	Q2	9:49	275	6.50	0.297	0.83	39.9	-66.4	
		9:54	275	6.22	0.300	1.73	1.9	-45.8	
		9:59	275	6.08	0.289	0.41	3.7	-49.0	
		10:04	275	6.04	0.288	0.26	5.6	-51.9	
MW-7DO	Q1	10:52	NA	9.27	382	4.60	73.3	129.8	Hand bailed approximately 15 gallons prior to sampling.
		11:03	NA	9.33	385	3.97	151.0	121.1	
		11:14	NA	9.34	387	3.90	231.0	108.4	
	Q2	1:50	NA	6.01	0.306	5.02	84.1	-46.3	Hand bailed approximately 9 gallons prior to sampling.
		1:55	NA	5.71	0.258	7.74	98.7	12.2	
MW-7BR	Q1	11:27	N	5.81	387	3.52	2326412.0	54.6	Hand bailed approximately 8.5 gallons prior to sampling.
		11:36	NA	5.91	346	3.35	2291765.0	20.7	
	Q2	1:45	NA	7.37	0.418	7.37	0.3	-72.0	Hand bailed approximately 8.5 gallons prior to sampling.
		1:56	NA	5.12	0.397	5.12	0.4	-148.2	
MW-11S	Q1	8:00	275	6.28	690	20.10	108.3	-69.5	
		8:05	275	6.22	662	9.30	58.2	-82.6	
		8:10	275	6.22	660	8.20	40.9	-91.7	
		8:15	275	6.24	660	7.30	42.5	-97.9	
		8:20	275	6.25	660	7.30	80.5	-99.0	
	Q2	7:38	275	6.65	0.509	1.34	8.7	-90.8	
		7:43	275	5.91	0.488	0.38	5.5	-76.8	
		7:48	275	5.87	0.487	0.32	4.1	-77.4	
		7:53	275	5.87	0.433	0.29	7.2	-78.8	
MW-11DO	Q1	11:07	275	6.68	307	5.17	349.0	-36.6	
		11:12	275	6.67	311	99.0%	49.8	25.7	
		11:17	275	6.67	316	124.0%	164.0	36.4	
		11:22	275	6.67	320	1.37	51.9	37.8	
		11:27	275	6.61	323	1.35	86.5	37.0	
	Q2	8:30	275	6.34	0.377	2.73	21.8	4.0	
		8:35	275	6.12	0.350	0.34	13.8	13.8	
		8:40	275	6.10	0.350	0.27	15.0	15.0	
		8:45	275	6.08	0.346	0.24	14.3	14.3	

Table 2
Field Monitoring Results for Groundwater
Rose Hill Landfill
Rose Hill Road
South Kingstown, Rhode Island
Year 4

Well ID		Time	Flow Rate (RPM)	pH	Conductivity (ms/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	ORP (mV)	Comments
MW-11BR	Q1	8:54	275	4.72	480	4.66	73.1	-41.2	
		8:59	275	2.99	307	5.54	35.6	-23.6	
		9:04	275	8.25	308	5.58	29.9	-4.4	
		9:09	275	8.29	308	5.62	23.4	10.5	
	Q2	9:05	275	7.30	0.375	6.77	2.3	-22.1	
		9:10	275	7.70	0.371	6.61	1.6	-31.7	
		9:15	275	7.85	0.371	6.65	1.9	-18.6	
		9:20	275	7.89	0.370	6.58	1.7	-8.6	
MW-12S	Q1	11:17	275	5.67	109	311.0%	34875.0	114.0	
		11:22	275	5.53	104	31.0%	409.0	140.9	
		11:27	275	5.53	104	0.21	143.0	146.5	
	Q2	11:32	275	5.54	103	0.18	122.0	146.2	
		11:09	275	5.00	0.125	0.49	22.0	81.9	
		11:14	275	5.05	0.120	0.42	10.4	81.6	
		11:19	275	5.03	0.122	0.33	7.2	81.2	
MW-12DO	Q1	12:01	275	10.95	135	11.23	233.0	-44.2	
		12:06	275	11.02	142	0.60	401.0	-54.7	
		12:11	275	11.02	144	0.49	348.0	-58.6	
		12:16	275	11.02	146	0.47	307.0	-60.3	
	Q2	11:32	275	10.00	0.213	2.61	6.7	-139.8	
		11:37	275	10.11	0.205	0.21	0.0	-68.2	
		11:42	275	8.64	0.116	0.12	-0.7	-351.2	
		11:47	275	7.78	0.116	0.12	-1.0	-318.5	
		11:52	275	7.39	0.116	0.13	-1.0	-282.6	
MW-13S	Q1	1:27	275	6.38	70	9.05	31.8	191.5	
		1:32	275	4.98	62	7.27	14.2	228.5	
		1:37	275	4.90	60	8.99	10.0	235.3	
		1:42	275	4.78	61	9.10	20.9	236.8	
	Q2	11:36	275	5.56	0.078	3.72	10.1	104.5	
		11:41	275	5.13	0.077	0.67	1.6	74.5	YSI battery died after second reading; took sample at 11:51.
RES-7	Q1	1:28	275	8.45	149	2.93	49.2	95.3	
		1:30	275	8.49	156	1.75	58.1	90.2	
		1:32	275	8.47	153	4.03	52.2	91.4	
	Q2	1:04	NA	7.43	0.188	2.21	-2.0	37.3	
		1:06	NA	7.44	0.181	1.72	-2.0	54.5	
		1:08	NA	7.37	0.176	2.53	-2.1	73.4	
RES-10	Q1	1:14	275	7.95	153	6.75	76.5	110.3	
		1:16	275	8.27	162	4.36	85.2	95.0	
		1:18	275	8.34	163	4.71	146.0	39.2	
	Q2	2:55	NA	6.97	0.195	7.09	1.5	30.3	
		2:58	NA	7.13	0.198	8.32	0.6	58.9	
		3:01	NA	7.23	0.187	10.08	0.0	73.7	
RES-11	Q1	12:51	275	6.29	51	9.37	683.0	178.8	
		12:54	275	6.14	49	5.26	171.0	157.4	
		12:57	275	6.18	50	6.27	145.0	146.3	
	Q2	12:30	NA	6.56	0.071	5.64	3.0	115.0	
		12:33	NA	6.37	0.060	7.82	0.8	89.4	
		12:35	NA	6.28	0.060	9.91	1.6	87.4	
RES-12	Q1	NR	NR	NR	NR	NR	NR	NR	
	Q2	1:45	NA	7.29	0.165	6.43	-1.7	144.9	

Notes:
BR - bedrock groundwater monitoring well
DO - deep overburden groundwater monitoring well
S - shallow overburden groundwater monitoring well
Q1 - first quarter, Q2 - second quarter
RPM - revolutions per minute
µs/cm - microsiemens per centimeter squared
mg/l - milligrams per liter
NTU - nephelometric turbidity unit
mv - millivolts
NR - not read
N/A - not applicable

Table 3
Field Monitoring Results for Surface Water
Rose Hill Landfill
Rose Hill Road
South Kingstown, Rhode Island
Year 4

Sampling Location	Quarter	Temperature (°C)	pH	O.R.P. (mV)	Conductivity (µS/cm)	Dissolved O_2 (mg/L)
SW-01	Q1	11.35	7.23	156.6	33.5	12.33
	Q2	28.09	7.44	164.3	0.085	6.80
	Mean	19.72	7.34	160.5	16.79	9.57
SW-02	Q1	10.77	8.45	97.5	83	11.74
	Q2	20.13	7.51	157.5	0.121	9.03
	Mean	15.45	7.98	127.5	41.56	10.39
SW-04	Q1	10.29	9.73	-3.2	86	6.34
	Q2	18.89	6.5	-36.5	0.121	9.23
	Mean	14.59	8.12	-19.9	43.06	7.79
SW-06	Q1	9.77	6.42	112.5	62	11.55
	Q2	20.42	7.47	-6.8	0.134	9.08
	Mean	15.10	6.95	52.9	31.07	10.32
SW-09	Q1	9.53	6.57	67.3	72	9.89
	Q2	11.87	6.39	-96.7	0.207	0.21
	Mean	10.70	6.48	-14.7	36.10	5.05
SW-12	Q1	8.64	7.83	0.8	124	7.52
	Q2	19.89	7.63	-50.1	0.143	7.54
	Mean	14.27	7.73	-24.7	62.07	7.53
SW-13	Q1	7.70	5.87	144.8	47	12.15
	Q2	23.37	8.07	109.3	0.078	7.68
	Mean	15.54	6.97	127.1	23.54	9.92
SW-17	Q1	10.11	6.71	95.3	82	11.24
	Q2	19.11	5.97	75.4	0.119	8.88
	Mean	14.61	6.34	85.4	41.06	10.06

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 4

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	10	0.0	3.8	16.3	0.0
	Q3	0.0	0	0.0	3.3	18.2	0.0
	Q4	0.1	0	0.2	3.1	17.5	4.0
	MEAN	0.0	4	0.1	2.6	18.3	1.0
	RANGE	0 - 0.1	0 - 10	0 - 0.2	0 - 3.8	16.3 - 21.3	0 - 4
GP-03	Q1	0.0	1	0.1	0.0	21.8	2.0
	Q2	0.0	14	0.0	9.8	9.7	0.0
	Q3	0.0	0	0.0	4.4	16.0	0.0
	Q4	0.1	0	1.4	14.6	1.0	28.0
	MEAN	0.0	3.8	0.4	7.2	12.1	7.5
	RANGE	0 - 0.1	0 - 14	0 - 1.4	0 - 14.6	1 - 21.8	0 - 28
GP-05	Q1	0.0	2	0.0	0.2	21.6	0.0
	Q2	NR	NR	NR	NR	NR	NC
	Q3	0.0	0	0.0	11.3	7.7	0.0
	Q4	0.0	0	0.5	5.0	16.4	10.0
	MEAN	0.0	0.7	0.2	5.5	15.2	3.3
	RANGE	0.0	0 - 2	0 - 0.5	0.2 - 11.3	7.7 - 21.6	0 - 10
GP-06	Q1	0.0	2	0.0	0.0	21.5	0.0
	Q2	0.0	10	0.0	2.4	17.5	0.0
	Q3	0.0	0	0.0	6.6	14.0	0.0
	Q4	0.1	0	0.1	4.0	15.6	2.0
	MEAN	0.0	3.0	0.0	3.3	17.2	0.5
	RANGE	0 - 0.1	0 - 10	0 - 0.1	0 - 6.6	14 - 21.5	0 - 2
GP-07	Q1	0.0	2	0.0	1.1	21.0	0.0
	Q2	0.0	9	0.0	4.8	14.6	0.0
	Q3	0.0	0	0.0	4.8	14.6	0.0
	Q4	0.1	0	0.1	3.1	16.8	2.0
	MEAN	0.0	2.8	0.0	3.5	16.8	0.5
	RANGE	0 - 0.1	0 - 9	0 - 0.1	1.1 - 4.8	14.6 - 21	0 - 2
GP-10	Q1	0.0	3	0.0	2.2	19.6	0.0
	Q2	0.0	9	0.0	3.2	16.9	0.0
	Q3	0.0	0	0.0	4.1	16.3	0.0
	Q4	0.1	0	0.2	5.5	14.4	4.0
	MEAN	0.0	3.0	0.1	3.8	16.8	1.0
	RANGE	0 - 0.1	0 - 9	0 - 0.2	2.2 - 5.5	14.4 - 19.6	0 - 4
GP-11	Q1	0.0	0	0.0	2.8	18.8	0.0
	Q2	0.0	7	0.0	2.3	17.9	0.0
	Q3	0.0	0	0.0	1.0	19.5	0.0
	Q4	0.1	0	0.0	4.7	15.2	0.0
	MEAN	0.0	2	0.0	2.7	17.9	0.0
	RANGE	0 - 0.1	0 - 7	0 - 0	1 - 4.7	15.2 - 19.5	0 - 0
GP-12	Q1	0.0	5	0.0	2.5	19.3	0.0
	Q2	4.8	10	0.0	3.3	16.5	0.0
	Q3	0.0	0	0.0	3.7	18.1	0.0
	Q4	0.1	0	0.2	2.6	18.3	4.0
	MEAN	1.2	4	0.1	3.0	18.1	1.0
	RANGE	0 - 4.8	0 - 10	0 - 0.2	2.5 - 3.7	16.5 - 19.3	0 - 4
GP-13	Q1	0.2	1	0.1	2.8	18.6	2.0
	Q2	10.7	11	0.0	3.1	16.6	0.0
	Q3	0.0	0	0.4	4.5	16.0	8.0
	Q4	0.4	0	0.2	3.0	18.2	4.0
	MEAN	2.8	3	0.2	3.4	17.4	3.5
	RANGE	0 - 10.7	0 - 11	0 - 0.4	2.8 - 4.5	16 - 18.6	0 - 8
GP-14	Q1	0.0	1	0.1	2.5	19.4	2.0
	Q2	0.1	12	0.0	4.7	15.0	0.0
	Q3	0.0	0	0.0	7.7	8.4	0.0
	Q4	0.1	0	0.2	3.9	15.5	4
	MEAN	0.1	3	0.1	4.7	14.6	1.5
	RANGE	0 - 0.1	0 - 12	0 - 0.2	2.5 - 7.7	8.4 - 19.4	0 - 4
GP-15	Q1	0.0	1	0.1	2.4	19.9	2.0
	Q2	0.0	12	0.0	2.9	17.6	0.0
	Q3	0.0	0	0.0	4.7	16.4	0.0
	Q4	0.1	0	0.2	3.2	17.7	4.0
	MEAN	0.0	3	0.1	3.3	17.9	1.5
	RANGE	0 - 0.1	0 - 12	0 - 0.2	2.4 - 4.7	16.4 - 19.9	0 - 4

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 4

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	7	0.0	2.6	17.9	0.0
	Q3	0.0	0	0.0	4.1	17.5	0.0
	Q4	0.1	0	0.0	2.6	17.2	0.0
	MEAN	0.0	2	0.0	3.0	17.8	0.0
	RANGE	0 - 0.1	0 - 7	0 - 0	2.6 - 4.1	17.2 - 18.6	0 - 0
GP-17	Q1	0.0	1	0.1	2.6	17.2	2.0
	Q2	0.0	11	0.0	0.9	18.8	0.0
	Q3	0.0	1	0.0	1.5	19.1	0.0
	Q4	0.1	0	0.2	3.6	12.5	4.0
	MEAN	0.0	3	0.1	2.2	16.9	1.5
	RANGE	0 - 0.1	0 - 11	0 - 0.2	0.9 - 3.6	12.5 - 19.1	0 - 4
GP-18	Q1	0.0	1	0.0	1.5	19.4	0.0
	Q2	0.0	7	0.0	1.4	18.0	0.0
	Q3	0.0	1	0.0	3.4	17.8	0.0
	Q4	0.1	0	0.0	2.7	15.9	0.0
	MEAN	0.0	2	0.0	2.3	17.8	0.0
	RANGE	0 - 0.1	0 - 7	0 - 0	1.4 - 3.4	15.9 - 19.4	0 - 0
GP-19	Q1	0.0	1	0.1	0.0	21.8	2.0
	Q2	NR	NR	NR	NR	NR	NC
	Q3	0.0	0	0.0	2.6	18.1	0.0
	Q4	0.1	0	0.2	1.9	17.2	4.0
	MEAN	0.0	0	0.1	1.5	19.0	2.0
	RANGE	0 - 0.1	0 - 1	0 - 0.2	0 - 2.6	17.2 - 21.8	0 - 4
GP-21	Q1	0.0	1	0.3	5.5	10.5	6.0
	Q2	0.9	8	0.0	3.6	15.1	0.0
	Q3	0.0	5	1.1	6.1	12.4	22.0
	Q4	0.1	0	0.9	7.8	2.7	18.0
	MEAN	0.3	4	0.6	5.8	10.2	11.5
	RANGE	0 - 0.9	0 - 8	0 - 1.1	3.6 - 7.8	2.7 - 15.1	0 - 22
GP-22	Q1	0.0	1	0.1	0.0	21.8	2.0
	Q2	0.0	9	0.0	7.4	8.3	0.0
	Q3	0.0	0	0.0	3.3	17.6	0.0
	Q4	0.1	0	0.0	2.6	19.1	0.0
	MEAN	0.0	3	0.0	3.3	16.7	0.5
	RANGE	0 - 0.1	0 - 9	0 - 0.1	0 - 7.4	8.3 - 21.8	0 - 2
GP-26	Q1	0.0	1	0.0	2.7	19.5	0.0
	Q2	0.0	9	0.0	2.2	18.8	0.0
	Q3	0.0	0	0.0	4.8	15.7	0.0
	Q4	0.1	0	0.0	3.4	17.3	0.0
	MEAN	0.0	3	0.0	3.3	17.8	0.0
	RANGE	0 - 0.1	0 - 9	0 - 0	2.2 - 4.8	15.7 - 19.5	0 - 0
GP-28	Q1	0.0	1	0.0	2.2	16.4	0.0
	Q2	0.0	8	0.0	0.3	19.7	0.0
	Q3	0.0	0	0.0	0.4	20.3	0.0
	Q4	0.1	0	0.0	0.5	18.8	0.0
	MEAN	0.0	2	0.0	0.9	18.8	0.0
	RANGE	0 - 0.1	0 - 8	0 - 0	0.3 - 2.2	16.4 - 20.3	0 - 0
GP-30	Q1	0.0	1	0.0	2.5	18.7	0.0
	Q2	0.0	9	0.0	4.4	15.5	0.0
	Q3	0.0	0	0.0	2.7	18.5	0.0
	Q4	0.1	0	0.1	2.0	18.2	2.0
	MEAN	0.0	3	0.0	2.9	17.7	0.5
	RANGE	0 - 0.1	0 - 9	0 - 0.1	2 - 4.4	15.5 - 18.7	0 - 2
GP-33	Q1	0.1	3	0.0	7.7	6.4	0.0
	Q2	0.0	15	0.0	1.2	18.2	0.0
	Q3	0.0	0	0.0	3.2	17.1	0.0
	Q4	0.1	0	0.1	4.0	14.7	2.0
	MEAN	0.1	5	0.0	4.0	14.1	0.5
	RANGE	0 - 0.1	0 - 15	0 - 0.1	1.2 - 7.7	6.4 - 18.2	0 - 2
GP-36	Q1	0.0	4	0.0	0.0	21.5	0.0
	Q2	2.4	16	0.0	5.7	11.5	0.0
	Q3	0.0	0	0.0	2.1	18.6	0.0
	Q4	0.1	0	0.1	3.5	17.2	2.0
	MEAN	0.6	5	0.0	2.8	17.2	0.5
	RANGE	0 - 2.4	0 - 16	0 - 0.1	0 - 5.7	11.5 - 21.5	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 4

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	9	0.0	3.5	16.4	0.0
	Q3	0.0	0	0.0	3.7	17.2	0.0
	Q4	0.1	0	0.1	1.0	19.3	2.0
	MEAN	0.0	3	0.0	2.1	18.6	0.5
	RANGE	0 - 0.1	0 - 9	0 - 0.1	0 - 3.7	16.4 - 21.6	0 - 2
GP-37B	Q1	0.0	4	0.0	0.0	21.8	0.0
	Q2	0.0	13	0.0	3.0	17.4	0.0
	Q3	0.0	0	0.0	2.5	19.3	0.0
	Q4	0.1	0	0.2	2.3	18.6	4
	MEAN	0.0	4	0.1	2.0	19.3	1.0
	RANGE	0 - 0.1	0 - 13	0 - 0.2	0 - 3	17.4 - 21.8	0 - 4
GP-37C	Q1	0.0	3	0.0	0.0	21.8	0.0
	Q2	0.0	12	0.0	1.4	19.2	0.0
	Q3	0.0	0	0.0	0.1	20.6	0.0
	Q4	0.1	0	0.2	0.9	20.3	4.0
	MEAN	0.0	4	0.1	0.6	20.5	1.0
	RANGE	0 - 0.1	0 - 12	0 - 0.2	0 - 1.4	19.2 - 21.8	0 - 4
GP-37D	Q1	0.0	3	0.0	0.0	21.8	0.0
	Q2	0.0	12	0.0	0.1	20.5	0.0
	Q3	NR	NR	NR	NR	NR	NC
	Q4	0.1	0	0.2	1.6	19.1	4.0
	MEAN	0.0	5	0.1	0.6	20.5	1.3
	RANGE	0 - 0.1	0 - 12	0 - 0.2	0 - 1.6	19.1 - 21.8	0 - 4
GP-38A	Q1	0.0	2	0.0	0.0	21.6	0.0
	Q2	0.0	9	0.0	4.1	15.0	0.0
	Q3	0.0	0	0.0	3.6	15.8	0.0
	Q4	0.1	0	0.1	0.5	19.7	2.0
	MEAN	0.0	3	0.0	2.1	18.0	0.5
	RANGE	0 - 0.1	0 - 9	0 - 0.1	0 - 4.1	15 - 21.6	0 - 2
GP-38B	Q1	0.0	3	0.0	0.0	21.8	0.0
	Q2	0.0	11	0.0	11.1	6.0	0.0
	Q3	0.0	2	0.0	12.1	5.5	0.0
	Q4	0.1	0	0.2	4.3	14.3	4.0
	MEAN	0.0	4	0.1	6.9	11.9	1.0
	RANGE	0 - 0.1	0 - 11	0 - 0.2	0 - 12.1	5.5 - 21.8	0 - 4
GP-38C	Q1	0.0	3	0.0	0.0	21.8	0.0
	Q2	0.0	13	0.0	6.9	12.0	0.0
	Q3	0.0	0	0.0	4.2	16.1	0.0
	Q4	0.1	0	0.2	2.5	17.2	4.0
	MEAN	0.0	4	0.1	3.4	16.8	1.0
	RANGE	0 - 0.1	0 - 13	0 - 0.2	0 - 6.9	12 - 21.8	0 - 4
GP-38D	Q1	0.0	3	0.0	0.0	21.6	0.0
	Q2	0.0	12	0.0	2.2	15.6	0.0
	Q3	0.0	0	0.0	3.7	17.5	0.0
	Q4	0.0	0	0.2	1.7	18.4	4.0
	MEAN	0.0	4	0.1	1.9	18.3	1.0
	RANGE	0 - 0	0 - 12	0 - 0.2	0 - 3.7	15.6 - 21.6	0 - 4
GP-39A	Q1	0.0	2	0.0	0.0	21.6	0.0
	Q2	0.0	10	0.0	4.5	14.6	0.0
	Q3	0.0	0	0.0	2.7	16.7	0.0
	Q4	0.1	0	0.2	1.7	17.4	4.0
	MEAN	0.0	3	0.1	2.2	17.6	1.0
	RANGE	0 - 0.1	0 - 10	0 - 0.2	0 - 4.5	14.6 - 21.6	0 - 4
GP-39B	Q1	0.0	7	0.0	0.0	21.7	0.0
	Q2	1.0	10	0.0	5.2	15.0	0.0
	Q3	0.0	0	0.0	3.2	17.5	0.0
	Q4	0.1	0	0.2	2.6	18.1	4.0
	MEAN	0.3	4	0.1	2.8	18.1	1.0
	RANGE	0 - 1	0 - 10	0 - 0.2	0 - 5.2	15 - 21.7	0 - 4
GP-39C	Q1	0.0	4	0.0	0.0	21.7	0.0
	Q2	0.0	10	0.0	4.8	15.4	0.0
	Q3	0.0	0	0.0	5.5	14.5	0.0
	Q4	0.1	0	0.2	2.9	17.0	4.0
	MEAN	0.0	4	0.1	3.3	17.2	1.0
	RANGE	0 - 0.1	0 - 10	0 - 0.2	0 - 5.5	14.5 - 21.7	0 - 4
GP-39D	Q1	0.0	5	0.0	1.4	17.5	0.0
	Q2	NR	NR	NR	NR	NR	NC
	Q3	NR	NR	NR	NR	NR	NC
	Q4	NR	NR	NR	NR	NR	NC
	MEAN	0.0	5	0.0	1.4	17.5	0.0
	RANGE	0 - 0	NC	NC	NC	NC	NC

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 4

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	10	0.0	3.7	14.8	0.0
	Q3	0.0	0	0.0	4.9	14.1	0.0
	Q4	0.1	0	0.2	1.3	18.0	4.0
	MEAN	0.0	3	0.1	3.1	16.4	1.0
	RANGE	0 - 0.1	0 - 10	0 - 0.2	1.3 - 4.9	14.1 - 18.6	0 - 4
GP-40B	Q1	0.0	4	0.0	0.1	21.6	0.0
	Q2	NR	NR	NR	NR	NR	NC
	Q3	0.0	0	0.0	2.7	19.2	0.0
	Q4	0.1	0	0.2	1.7	18.2	4.0
	MEAN	0.0	1	0.1	1.5	19.7	1.3
	RANGE	0 - 0.1	0 - 4	0 - 0.2	0.1 - 2.7	18.2 - 21.6	0 - 4
GP-40C	Q1	0.0	3	0.0	0.1	21.2	0.0
	Q2	0.0	10	0.0	1.7	18.3	0.0
	Q3	0.0	0	0.0	0.1	21.0	0.0
	Q4	0.1	0	0.2	2.1	18.4	4.0
	MEAN	0.0	3	0.1	1.0	19.7	1.0
	RANGE	0 - 0.1	0 - 10	0 - 0.2	0.1 - 2.1	18.3 - 21.2	0 - 4
GP-40D	Q1	0.1	8	0.0	0.0	21.2	0.0
	Q2	0.0	9	0.0	0.2	20.5	0.0
	Q3	0.0	0	0.0	0.4	20.9	0.0
	Q4	0.1	0	0.2	0.2	2.7	18.1
	MEAN	0.1	4	0.1	0.2	16.3	4.5
	RANGE	0 - 0.1	0 - 9	0 - 0.2	0 - 0.4	2.7 - 21.2	0 - 18.1
GP-40E	Q1	0.0	1	0.0	0.0	21.3	0.0
	Q2	0.0	9	0.0	2.1	18.6	0.0
	Q3	0.0	0	0.0	4.1	17.3	0.0
	Q4	0.1	0	0.2	2.0	19.1	4.0
	MEAN	0.0	3	0.1	2.1	19.1	1.0
	RANGE	0 - 0.1	0 - 9	0 - 0.2	0 - 4.1	17.3 - 21.3	0 - 4
GP-41A	Q1	0.0	1	0.0	2.3	19.0	0.0
	Q2	0.0	9	0.0	5.1	10.5	0.0
	Q3	0.0	0	0.0	0.5	19.8	0.0
	Q4	0.1	0	0.2	3.2	13.1	4.0
	MEAN	0.0	3	0.1	2.8	15.6	1.0
	RANGE	0 - 0.1	0 - 9	0 - 0.2	0.5 - 5.1	10.5 - 19.8	0 - 4
GP-41B	Q1	0.0	10	0.1	0.8	20.1	2.0
	Q2	0.0	12	0.0	4.0	16.7	0.0
	Q3	0.0	0	0.0	1.7	18.6	0.0
	Q4	0.1	0	0.2	5.9	11.5	4.0
	MEAN	0.0	6	0.1	3.1	16.7	1.5
	RANGE	0 - 0.1	0 - 12	0 - 0.2	0.8 - 5.9	11.5 - 20.1	0 - 4
GP-41C	Q1	0.0	1	0.1	0.7	21.6	2.0
	Q2	0.0	14	0.0	0.4	20.1	0.0
	Q3	0.0	0	0.0	3.3	17.2	0.0
	Q4	0.1	0	0.2	4.3	17.2	4.0
	MEAN	0.0	4	0.1	2.2	19.0	1.5
	RANGE	0 - 0.1	0 - 14	0 - 0.2	0.4 - 4.3	17.2 - 21.6	0 - 4
GF	Q1	4.2	2	45.7	30.7	0.5	>100
	Q2	0.0	11	49.1	37.2	0.2	>100
	Q3	0.0	2	39.5	27.4	4.2	>100
	Q4	0.1	2	42.4	36.1	1.3	>100
	MEAN	1.1	4	44.2	32.9	1.6	>100
	RANGE	0 - 4.2	2 - 11	39.5 - 49.1	27.4 - 37.2	0.2 - 4.2	>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 4

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	<0.1	<0.01	<0.01	<0.1	<0.01	<0.01	<0.1	0.012	<0.01	0.0085	0.013	<0.01	0.009	0.011	<0.01	0.008	<0.01	<0.01	<0.1
Antimony	0.0060	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Arsenic	0.0100	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0007	0.0007	0.0007	0.0018	0.0009	0.0014	<0.0005	<0.0005	<0.0005	0.0007	0.0007	0.0007
Barium	2.0	0.0047	0.0026	0.0037	0.0006	0.0007	0.0007	<0.0005	0.0008	0.0005	0.015	0.0144	0.0147	0.0245	0.0292	0.0269	0.0015	0.0014	0.0015	0.0377	0.0382	0.0380
Beryllium	0.0040	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Cadmium	0.0050	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chromium	0.1100	0.0006	<0.0005	0.0004	0.0007	<0.0005	0.0005	0.0005	<0.0005	0.0004	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Lead	0.0150	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Manganese	0.3000	0.2066	0.0203	0.1135	0.0098	0.2803	0.1451	0.0074	0.2940	0.1507	**3.62**	**3.749**	**3.685**	**1.373**	**2.197**	**1.785**	0.0014	0.0013	0.0014	**1.226**	**1.363**	**1.295**
Sodium	NE	10.0	11	10.5	14.0	16	15	14.0	17	15.5	7.8	9	8.2	10.0	13	11.5	14.0	14	14	16.0	17	16.5
Thallium	0.0020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vanadium	0.2600	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Zinc	11	0.0119	0.0143	0.0131	0.0111	0.0173	0.0142	0.0108	0.015	0.0129	0.0118	0.0135	0.0127	0.0111	<0.005	0.0068	0.0101	0.0100	0.01005	0.0091	0.0110	0.01005
Volatile Organic Compounds (µg/L)																						
1,1-Dichloroethane	800	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	1.6	0.99	<0.75	<0.75	<0.75	1.2	1.2	1.2
Benzene	5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.77	0.69	0.73
Chlorobenzene	100	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.57	0.52	0.55
Chloroethane	21,000	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.2	<1	0.85	<1	<1	<1	4.7	2.5	3.6
cis-1,2-Dichloroethene	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	4.4	2.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethyl ether	1,200	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Methyl tert butyl ether	12.00	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl chloride	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	**5.8**	**3.2**	<1	<1	<1	<1	<1	<1
Semi Volatile Organic Compounds (µg/L)																						
Bis(2-ethylhexyl)phthalate	6	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<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 4

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	<0.1	0.687	0.38	0.5335	<0.01	0.013	0.009	0.037	0.025	0.031	<0.01	<0.01	<0.1	0.014	0.018	0.016	0.044	0.048	0.046
Antimony	0.0060	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Arsenic	0.0100	0.0007	0.0006	0.0007	0.0014	<0.0005	0.0008	0.0009	0.0007	0.0008	0.0015	0.0014	0.0015	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0007	0.0016	0.0012
Barium	2.0	0.0384	0.0391	0.0388	0.0815	0.0285	0.0550	0.0161	0.0178	0.0170	0.0813	0.0847	0.083	0.0452	0.0519	0.0486	0.0378	0.0436	0.0407	0.0163	0.0185	0.0174
Beryllium	0.0040	<0.0005	<0.0005	<0.0005	0.0009	<0.0005	0.0006	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Cadmium	0.0050	<0.0005	<0.0005	<0.0005	0.0012	<0.0005	0.0007	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chromium	0.1100	<0.0005	<0.0005	<0.0005	0.0022	0.0011	0.0017	<0.0005	<0.0005	<0.0005	<0.001	0.0006	0.0004	<0.0005	<0.0005	<0.0005	<0.0005	0.0005	0.0004	<0.0005	<0.0005	<0.0005
Lead	0.0150	<0.0005	<0.0005	<0.0005	0.0018	0.0015	0.0017	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Manganese	0.3000	**1.225**	**1.358**	**1.292**	**1.496**	**0.7813**	**1.139**	0.0011	0.0057	0.0034	**3.372**	**3.325**	**3.349**	**1.538**	**1.804**	**1.671**	0.0015	0.0023	0.0019	**2.586**	**2.626**	**2.606**
Sodium	NE	16.0	16	16	26.0	28	27	57.0	62	59.5	20.0	23	21.5	20.0	22	21	68.0	73	70.5	6.6	7	6.9
Thallium	0.0020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vanadium	0.2600	<0.0005	<0.0005	<0.0005	0.0022	0.0012	0.0017	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Zinc	11	0.0089	0.0187	0.0138	0.0846	0.0251	0.0549	0.0118	0.0092	0.0105	0.0192	0.0153	0.01725	0.0136	0.0157	0.0147	0.0099	0.0134	0.0117	0.0129	0.0148	0.0139
Volatile Organic Compounds (µg/L)																						
1,1-Dichloroethane	800	1.2	1.2	1.2	<0.75	<0.75	<0.75	2.1	1.9	2	3	2.2	2.6	0.81	1	0.905	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75
Benzene	5	0.77	0.69	0.73	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.7	1.3	1.5	0.58	0.64	0.61	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorobenzene	100	0.58	0.54	0.56	2.3	1.6	1.95	<0.5	<0.5	<0.5	1.6	1.4	1.5	0.5	0.52	0.51	<0.5	<0.5	<0.5	<0.5	1.5	0.88
Chloroethane	21,000	4.8	2.4	3.6	<1	<1	<1	<1	<1	<1	9.3	5.4	7.35	3.5	<1	2.0	<1	<1	<0.5	<1	<1	<1
cis-1,2-Dichloroethene	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.79	<0.5	0.52	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethyl ether	1,200	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	3.0	<2.5	2.13	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Methyl tert butyl ether	12.00	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl chloride	2	<1	<1	<1	1.3	<1	0.9	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Semi Volatile Organic Compounds (µg/L)																						
Bis(2-ethylhexyl)phthalate	6	<5	<5	<5	<5	<5	<5	<5	<5	<5	**6.4**	<5	4.5	<5	<5	<5	<5	<5	<5	<5	<5	<5

Notes:
Q1 - first quarter, Q2 - second quarter
bold, highlighted text indicates equals or exceeds the Project Action
bold, patterned text indicates PAL lower than method quantification
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

Table 5
Positive Laboratory Analytical Results for Groundwater
Rose Hill Landfill
Rose Hill Road
South Kingstown, Rhode Island
Year 4

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	0.011	0.021	0.016	0.537	0.119	0.328	<0.01	<0.01	<0.1	<0.01	<0.01	<0.1	<0.01	0.0240	0.0145	<0.01	<0.01	<0.1	NA	<0.01	<0.1
Antimony	0.0060	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001
Arsenic	0.0100	0.0008	0.001	0.0009	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NA	<0.0005	<0.0005
Barium	2.0	0.012	0.003	0.0075	0.0057	0.0073	0.0065	0.0012	0.0014	0.0013	<0.0005	<0.0005	<0.0005	0.0075	0.0078	0.0077	<0.0005	0.0077	0.0004	NA	0.001	0.0010
Beryllium	0.0040	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NA	<0.0005	<0.0005
Cadmium	0.0050	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NA	<0.0005	<0.0005
Chromium	0.1100	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NA	<0.0005	<0.0005
Lead	0.0150	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0006	0.0873	<0.0005	0.0006	0.0004	NA	<0.0005	<0.0005
Manganese	0.3000	**1.502**	**3.601**	**2.552**	0.0230	**0.3157**	0.1694	<0.001	0.0027	0.016	<0.001	<0.001	<0.001	0.0756	0.099	0.0873	0.0713	0.0993	0.0853	NA	0.0012	0.0012
Sodium	NE	12.0	10	11	13.0	12	12.5	33.0	32	32.5	32.0	31	31.5	6.6	8	7.1	6.5	7	6.7	NA	9.8	9.8
Thallium	0.0020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NA	<0.0005	<0.0005
Vanadium	0.2600	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0006	0.0006	0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NA	<0.0005	<0.0005
Zinc	11	0.0115	0.0113	0.0114	0.0108	0.0134	0.0121	0.0102	0.0116	0.0109	0.0151	0.0241	0.0196	0.0179	0.0376	0.0278	0.0172	0.0454	0.0313	NA	0.0131	0.0131
Volatile Organic Compounds (µg/L)																						
1,1-Dichloroethane	800	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	NA	<0.75	<0.75
Benzene	5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5
Chlorobenzene	100	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5
Chloroethane	21,000	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NA	<1	<1
cis-1,2-Dichloroethene	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5
Ethyl ether	1,200	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	NA	<2.5	<2.5
Methyl tert butyl ether	12.00	<1	<1	<1	<1	<1	<1	1.8	1.8	1.8	<1	<1	<1	<1	<1	<1	<1	<1	<1	NA	<1	<1
Vinyl chloride	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NA	<1	<1
Semi Volatile Organic Compounds (µg/L)																						
Bis(2-ethylhexyl)phthalate	6	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5

Notes:
Q1 - first quarter, Q2 - second quarter
bold, highlighted text indicates equals or exceeds the Project Action
bold, patterned text indicates PAL lower than method quantification
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

Table 6
Positive Laboratory Analytical Results for Surface Water
Rose Hill Landfill
Rose Hill Road
South Kingstown, Rhode Island
Year 4

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	**268**	**193**	**231**	**93**	**279**	**186**	**109**	83	**96**	**118**	84	**101**	**94**	44	69	**99**	**132**	**115.5**	**95**	40	67.5	**101**	**194**	**148**	**279**	50	**165**
Arsenic	150	<0.5	<0.5	<0.5	1	1.9	1.45	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	0.4	<0.5	<0.5	<0.5
Cadmium	0.07	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**1.4**	**0.83**	**<0.5**	**1.3**	**0.78**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
Chromium	16	0.5	<0.5	0.4	<0.5	0.6	0.4	0.6	<0.5	0.4	0.7	<0.5	0.5	0.5	<0.5	0.4	0.5	<0.5	0.4	0.7	<0.5	0.5	0.8	0.5	0.7	0.5	<0.5	0.4
Copper	1.8	1.3	**2.1**	1.7	1.6	**37.4**	**19.5**	1.5	**2.1**	**1.8**	**1.8**	**2.5**	**2.2**	**2.1**	1.3	1.7	0.6	1	0.8	0.8	0.8	0.8	1.1	**2.7**	**1.9**	**3.0**	**1.9**	**2.5**
Iron	1000	147	481	314	764	**4,590**	**2677**	200	794	497	218	796	507	781	**3,640**	**2211**	112	224	168	144	410	277	283	**2,300**	**1292**	313	921	617
Lead	0.3	**0.6**	**0.8**	**0.7**	**29.9**	**66.9**	**48.4**	**0.8**	**1.2**	**1.0**	**0.9**	**1.2**	**1.1**	**0.8**	**0.5**	**0.7**	**<0.5**	**0.6**	**0.43**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**1.3**	**0.78**	**2**	**<0.5**	**1.1**
Manganese	300	25.4	22.6	24.0	140.6	242.6	191.6	47.8	77.2	62.5	48.2	77.7	63.0	113.7	**584.3**	**349.0**	23.7	51.4	37.6	171.5	**610.3**	**390.9**	98.8	**395.3**	247.1	46.9	231.9	139.4
Nickel	100	0.7	0.7	0.7	0.8	1.7	1.3	0.5	1	0.8	0.6	1.1	0.9	1.2	0.9	1.1	0.6	<0.5	0.43	0.7	0.7	0.7	0.6	1.5	1.1	0.8	0.8	0.8
Silver	0.13	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
Zinc	24	19.2	23.8	21.5	20.8	**348.4**	**184.6**	17	**94.1**	**55.6**	19.1	**105.1**	**62.1**	19.6	17.9	18.8	17.5	**47.3**	**32.4**	18.2	**38.8**	**28.5**	16.2	**133.5**	**74.9**	**36.9**	**1292**	**664.5**
Dissolved Metals (µg/L)																												
Aluminum	87	**255**	**140**	**198**	44	28	36	72	80	76	69	78	74	40	21	31	78	30	54	77	27	52	72	21	47	**226**	36	**131**
Arsenic	150	<0.5	<0.5	<0.5	0.7	1.0	0.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Cadmium	0.07	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**1.5**	**0.88**	**<0.5**	**1.5**	**1.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
Chromium	16	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Copper	1.8	1.6	1.5	1.55	**2.3**	**4.2**	**3.3**	1.7	**3.2**	**2.5**	1.6	**3.0**	**2.3**	**1.9**	1.6	**1.8**	1.4	1.7	1.6	1.2	1.1	1.2	1.7	1.6	1.7	**2.8**	1.7	**2.3**
Iron	1000	116	368	242	227	**1,730**	979	131	621	376	126	628	377	260	**1,500**	880	86	126	106	109	185	147	174	232	203	198	466	332
Lead	0.3	<0.5	**0.6**	**0.43**	**6**	**13**	**10**	**0.5**	**1**	**0.8**	<0.5	**1**	**1**	<0.5	<0.5	0.5	<0.5	**1.1**	**0.38**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.5**	**0.5**	**1.0**
Manganese	300	22.3	14.5	18.4	97.9	47.8	72.9	39.4	72.2	55.8	39.2	73.3	56.3	105.4	**548.8**	**327.1**	20.7	35	27.9	154	**535**	**345**	86.8	167.3	127.1	38.5	234	136
Nickel	100	0.7	0.7	0.7	0.8	0.9	0.9	0.5	1.2	0.9	<0.5	1.2	1.2	0.8	1.1	0.95	0.6	0.6	0.6	0.6	0.9	0.75	0.6	1.1	0.85	0.8	0.8	0.8
Silver	0.13	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
Zinc	24	23.8	**330.3**	**177.1**	**182.3**	**159.8**	**171.1**	17.9	**699.4**	**358.7**	**26**	**130.3**	**78.2**	**25**	20.6	22.8	19.9	**161.2**	**90.6**	**27**	**50.3**	**38.7**	**66.2**	**92.1**	**79.2**	**30.9**	**1,319**	**675**
Total Organic Carbon, Ammonia, Nitrate (mg/L)																												
Cyanide	0.0052	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.5
Nitrogen, Ammonia	NE	<0.075	0.111	0.074	<0.075	<0.075	<0.075	0.104	0.354	0.229	0.089	0.125	0.107	0.146	0.774	0.460	<0.075	<0.075	<0.075	0.122	0.259	0.191	<0.075	0.159	0.098	0.108	0.449	0.279
Nitrogen, Nitrate	10	<0.1	0.32	0.19	0.1	0.12	0.11	<0.1	1.7	0.88	0.18	0.48	0.33	0.17	0.32	0.25	0.63	1	0.82	0.89	0.91	0.90	0.66	0.92	0.79	0.23	0.97	0.60
Phosphorus	NE	0.013	0.053	0.033	0.05	0.096	0.073	0.035	0.024	0.030	0.01	0.018	0.014	0.012	0.013	0.013	0.013	0.06	0.037	0.021	0.031	0.026	0.01	0.039	0.025	0.079	0.014	0.047
Sulfide	0.11	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Organic Carbon	NE	7.9	5.6	6.8	6.2	8.8	7.5	4	6.3	5.2	4.1	6.4	5.3	3.5	3.9	3.7	5.2	3.5	4.4	4.7	3.8	4.3	5.2	4.2	4.7	9.6	4.5	7.1
Hardness	NE	8.1	10	9	19	16	17.5	12	13	12.5	12	13	13	14	27	21	16	24	20	17	24	21	17	26	22	13	26	20

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 4

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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.0
1,1-Dichloroethane	0.1	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
1,1-Dichloroethene	50	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2,4-Trimethylbenzene	60	<0.2	<0.2	<0.2	1.95	<0.2-1.95	0.488	<0.2	<0.2	<0.2	2.32	<0.2-2.32	0.580
1,3,5-Trimethylbenzene	60	<0.2	<0.2	<0.2	0.39	<2-039	0.10	<0.2	<0.2	<0.2	0.571	<0.2-0.571	0.143
2-Butanone	1,000	27.8	14	9.06	5.47	5.47 - 27.8	14.1	27.1	18.2	3.87	3.41	3.41 - 27.1	13.1
Benzene	9	0.573	0.575	0.493	0.282	0.282 - 0.575	0.481	0.454	0.519	0.852	0.464	0.454 - 0.852	0.572
Carbon disulfide	200	0.88	3.81	0.992	0.239	0.239 - 3.81	1.48	0.7	4	1.09	0.314	0.314 - 4	1.53
Chloroethane	4000	<0.2	0.362	<0.2	<0.2	<0.2-3.62	0.091	<0.2	0.356	<0.2	<0.2	0.356 - 0.356	0.089
Chloroform	0.04	**<0.2**	**0.439**	**0.597**	**<0.2**	**<0.2 - 0.597**	**0.259**	**<0.2**	**0.478**	**0.455**	**0.325**	**<0.2 - 0.478**	**0.315**
Chloromethane	200	1.60	2.55	1.06	0.645	0.645 - 2.55	1.46	1.67	2.53	1.06	0.575	0.575 - 2.53	1.46
cis-1,2-Dichloroethene	200	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Cyclohexane	2,000	<0.2	<0.2	0.404	0.231	<2 - 0.404	0.2	<0.2	<0.2	1.28	0.769	<0.2-0.769	0.512
Dichlorodifluoromethane	100	0.894	0.995	1.25	0.748	0.748 - 1.25	0.972	0.776	0.865	1.31	0.917	0.776 - 1.31	0.967
Ethylbenzene	200	<0.2	<0.2	0.309	0.278	<0.2-0.309	0.147	<0.2	<0.2	1.52	0.83	<0.2-0.1.52	0.588
Freon-113	NE	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Freon-114	NE	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methylene chloride	300	<1	2.71	1.1	<1	<1-2.71	1.0	<1	<1	1	<1	<1-1	0.3
n-Hexane	50	0.386	0.338	0.212	<0.2	<0.2-0.386	0.234	0.567	0.292	<0.2	0.224	<0.2-0.567	0.271
o-Xylene	700	<0.2	<0.2	<0.2	0.434	<0.2-0.434	0.109	<0.2	<0.2	0.548	1.18	<0.2-1.18	0.432
p/m-Xylene	700	<0.4	<0.4	<0.4	0.563	<0.4-0.563	0.141	<0.4	<0.4	1.06	1.49	<0.4-1.49	0.638
Propylene	2,000	11.6	5.56	3.63	2.68	2.68 - 11.6	5.868	10.7	5.17	2.84	3.52	2.84 - 10.7	5.56
Styrene	200	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.3	<0.2-0.3	0.075
Tetrachloroethene	0.03	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Toluene	100	0.318	10.5	0.859	0.644	0.318 - 10.5	3.08	0.322	6.02	2.16	2.18	0.322 - 6.02	2.67
trans-1,2-Dichloroethene	20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethene	90	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichlorofluoromethane	200	0.246	0.315	0.384	0.268	0.246 - 0.384	0.303	<0.2	0.285	0.425	0.307	<0.2-0.425	0.254
Vinyl chloride	40	0.240	0.413	<0.2	<0.2	<0.2-0.413	0.163	0.261	0.348	<0.2	<0.2	<0.2-0.348	0.152

SAMPLE IDENTIFICATION	GP-16						GP-18					
	ppbv						ppbv					
	Q1	Q2	Q3	Q4	RANGE	MEAN	Q1	Q2	Q3	Q4	RANGE	MEAN
Volatile Organic Compounds in Air												
1,1,1-Trichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.963	<0.2	0.963 - 0.963	**0.316**
1,1-Dichloroethane	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
1,1-Dichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2,4-Trimethylbenzene	<0.2	<0.2	<0.2	5.4	<0.2-5.4	1.43	<0.2	<0.2	<0.2	0.688	<0.2-0.688	**0.247**
1,3,5-Trimethylbenzene	<0.2	<0.2	<0.2	1.13	<0.2-1.13	0.360	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
2-Butanone	42.5	37.9	39.8	23.1	23.1 - 42.5	35.8	4.31	30.6	24.8	22.9	4.31 - 30.6	**20.7**
Benzene	<0.2	0.348	0.406	0.271	<0.2-0.406	0.281	<0.2	0.59	0.215	<0.2	<0.2-0.59	0.251
Carbon disulfide	1.23	7.83	1.69	0.455	0.455 - 7.83	2.80	<0.2	0.955	2.71	0.531	<0.2-2.71	1.07
Chloroethane	<0.2	0.211	<0.2	<0.2	<0.2-0.211	0.128	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	**<0.2**	**0.451**	**0.445**	**<0.2**	**<0.2-0.445**	**0.274**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Chloromethane	0.888	2.25	0.805	0.541	0.541 - 2.25	1.12	0.714	0.89	0.77	0.334	0.334 - 0.89	0.677
cis-1,2-Dichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Cyclohexane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**<0.2**
Dichlorodifluoromethane	1.01	0.556	0.853	0.611	0.556 - 1.01	0.758	0.434	0.474	0.603	0.52	0.434 - 0.603	0.508
Ethylbenzene	<0.2	<0.2	<0.2	0.844	<0.2-0.844	0.286	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Freon-113	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	<0.2	0.2 - 0.2	0.125
Freon-114	0.549	<0.2	0.226	<0.2	<0.2-0.549	0.244	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methylene chloride	<1	<1	1.22	<1	<1-1.22	0.680	<1	<1	1.43	<1	<1-1.43	0.773
n-Hexane	0.567	0.316	0.357	0.284	0.284 - 0.567	0.381	<0.2	0.306	0.243	0.215	<0.2-0.306	0.216
o-Xylene	<0.2	<0.2	<0.2	1.45	<0.2-1.45	0.438	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p/m-Xylene	<0.4	<0.4	<0.4	1.63	<0.4-1.63	0.558	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Propylene	9.73	5.89	8.38	6.23	5.89 - 9.73	7.56	1.47	6.89	4.54	5.38	1.47 - 6.89	4.57
Styrene	<0.2	<0.2	<0.2	0.42	<0.2-0.42	0.180	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Tetrachloroethene	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Toluene	0.511	3.98	0.457	1.17	0.457 - 3.98	1.53	0.211	2.18	0.263	0.411	0.211 - 2.18	0.766
trans-1,2-Dichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichlorofluoromethane	0.213	0.254	0.297	0.249	0.213 - 0.297	0.253	0.207	0.241	0.306	0.213	0.207 - 0.306	0.242
Vinyl chloride	<0.2	0.255	<0.2	<0.2	<0.2-0.255	0.139	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

SAMPLE IDENTIFICATION	GP-21						GF					
	ppbv						ppbv					
	Q1	Q2	Q3	Q4	RANGE	MEAN	Q1	Q2	Q3	Q4	RANGE	MEAN
Volatile Organic Compounds in Air												
1,1,1-Trichloroethane	<0.5	<0.5	<0.5	<0.2	<0.2 - <0.5	<0.5	<0.5	68.6	184	11	10.6 - 184	65.9
1,1-Dichloroethane	**<0.5**	**<0.5**	**<0.5**	**<0.2**	**<0.2 - <0.5**	**<0.5**	**<0.5**	**35.3**	**86.5**	**14.8**	**<0.5 - 86.5**	**34.2**
1,1-Dichloroethene	<0.5	<0.5	<0.5	<0.2	<0.2 - <0.5	<0.5	<0.5	8.18	18.8	3.92	<0.5-18.8	7.79
1,2,4-Trimethylbenzene	<0.5	<0.5	<0.5	2.67	<0.5-2.67	0.855	<0.5	<0.5	6.8	<2	<0.5 - 6.8	2.1
1,3,5-Trimethylbenzene	<0.5	<0.5	<0.5	0.614	<0.5-0.614	0.341	<0.5	<0.5	6.8	<2	<0.5 - 6.8	2.1
2-Butanone	60	211	108	55.7	55.7 - 211	109	72.2	242	53.1	46.4	46.4 - 242	103
Benzene	0.53	1.2	1.02	0.633	0.53 - 1.2	0.846	0.992	**12.7**	**49.8**	8.84	0.992-**49.8**	**18.1**
Carbon disulfide	1.84	19.5	2.57	0.343	0.343 - 19.5	6.06	<0.5	1.08	6.8	<2	<0.5-6.8	2.283
Chloroethane	<0.5	<0.5	<0.5	<0.2	<0.2 - <0.5	<0.5	<0.5	294	471	80.3	80.3 - 471	211
Chloroform	**<0.5**	**<0.5**	**<0.5**	**<0.2**	**<0.2 - <0.5**	**<0.5**	**<0.5**	**<0.5**	**6.8**	**<2**	**<0.5 - 6.8**	**2.1**
Chloromethane	1.84	4.89	1.66	1.08	1.08 - 4.89	2.37	1.28	3.4	6.8	<2	<0.5-6.8	3.12
cis-1,2-Dichloroethene	<0.5	<0.5	<0.5	<0.2	<0.2 - <0.5	<0.5	<0.5	**1,220**	**3,370**	**810**	**<0.5-3370**	**1,350**
Cyclohexane	<0.5	<0.5	1.65	<0.2	<0.2-1.65	0.563	<0.5	54	139	20.2	<0.5-139	53.4
Dichlorodifluoromethane	0.96	0.57	1.52	0.444	0.444 - 1.52	0.874	<0.5	64	83.3	21.3	<0.5-83.3	42.2
Ethylbenzene	<0.5	<0.5	<0.5	0.756	<0.5-0.756	0.377	<0.5	<0.5	27.6	<2	<0.5-27.6	7.28
Freon-113	<0.5	<0.5	<0.5	<0.2	<0.2 - <0.5	<0.5	<0.5	<0.5	6.8	<2	<0.5 - 6.8	2.1
Freon-114	0.828	<0.5	<0.5	<0.2	<0.2-0.828	0.357	<0.5	30.5	67.8	10.5	<0.5-67.8	27.3
Methylene chloride	<2.5	<2.5	<2.5	<1	<1-<2.5	<2.5	<2.5	<2.5	<68	<10	<2.5-<68	9.4
n-Hexane	2.64	1.55	4.63	0.662	0.662 - 4.63	2.37	0.918	**149**	**290**	41.3	0.918-**290**	**120**
o-Xylene	<0.5	<0.5	<0.5	1.08	<0.5-1.08	0.458	<0.5	<0.5	6.8	<2	<0.5-<6.8	2.1
p/m-Xylene	<1	<1	<1	1.37	<1-1.37	0.718	<1	<1	<27.2	<4	<1 - 6.8	5.1
Propylene	34.2	34.9	31.9	17.1	17.1 - 34.9	29.5	20.6	210	243	74.5	20.6 - 243	137
Styrene	<0.5	<0.5	<0.5	0.328	<0.5-0.328	0.270	<0.5	<0.5	6.8	<2	<0.5 - 6.8	2.1
Tetrachloroethene	**<0.5**	**<0.5**	**<0.5**	**<0.2**	**<0.2 - <0.5**	**<0.5**	**<0.5**	**<0.5**	**51.6**	**<2**	**<0.5-51.6**	**13.3**
Toluene	0.752	4.05	0.66	1.48	0.66 - 4.05	1.74	<0.5	4.29	30.9	2.62	<0.5-30.9	9.52
trans-1,2-Dichloroethene	<0.5	<0.5	<0.5	<0.2	<0.2 - <0.5	<0.5	<0.5	11.7	**21.2**	4.83	<0.5-**21.2**	9.50
Trichloroethene	0.968	<0.5	<0.5	0.316	<0.5-0.968	0.446	<0.5	**284**	**1,920**	**430**	<0.5-**1,920**	**659**
Trichlorofluoromethane	<0.5	<0.5	<0.5	0.233	0.233-<0.5	0.246	<0.5	2.12	6.8	<2	<0.5-6.8	2.543
Vinyl chloride	<0.5	<0.5	<0.5	<0.2	<0.2 - <0.5	<0.5	<0.5	**2,300**	**3,690**	**966**	<0.5-**3,690**	**1,739**

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

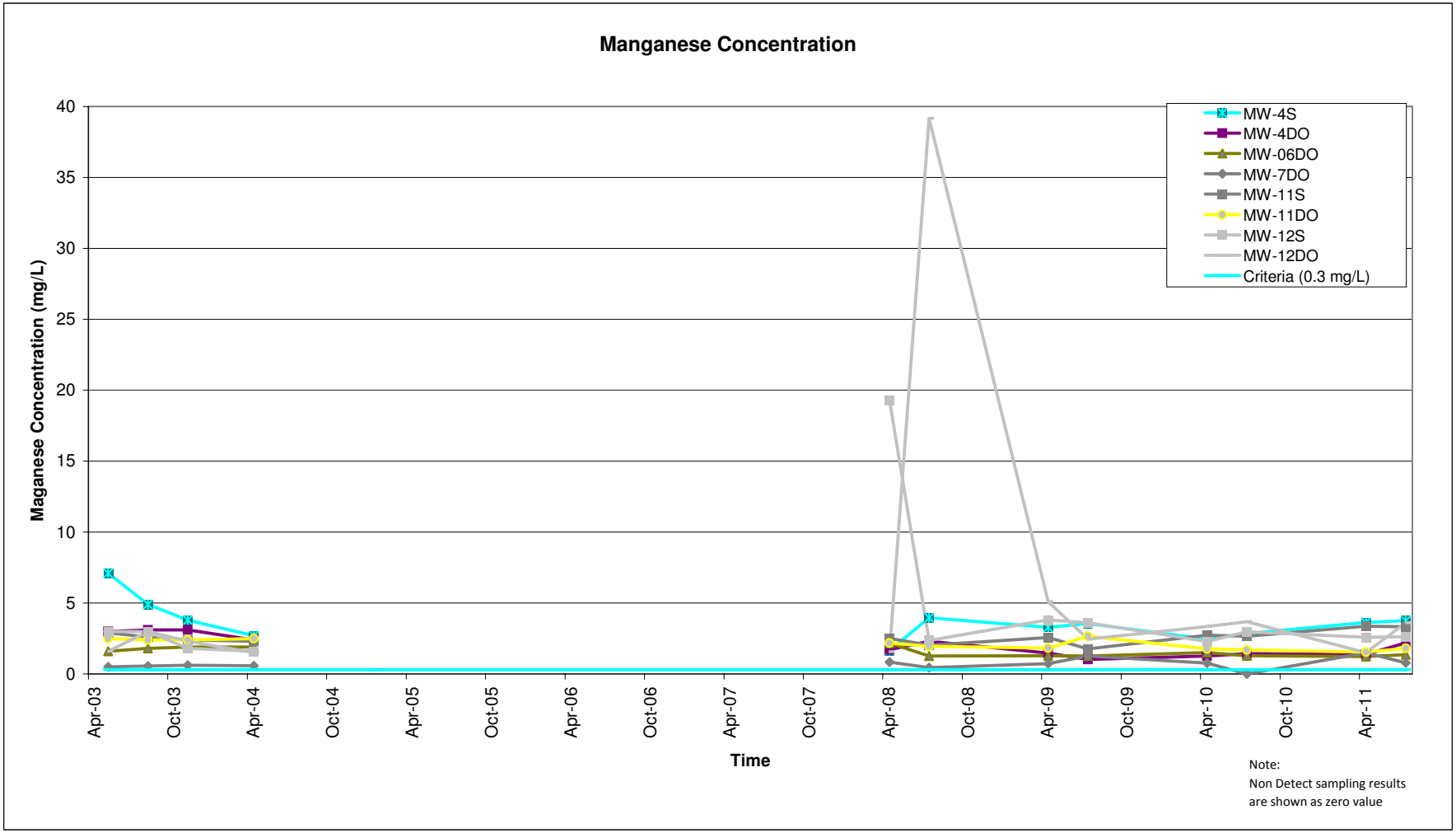
NE - none established

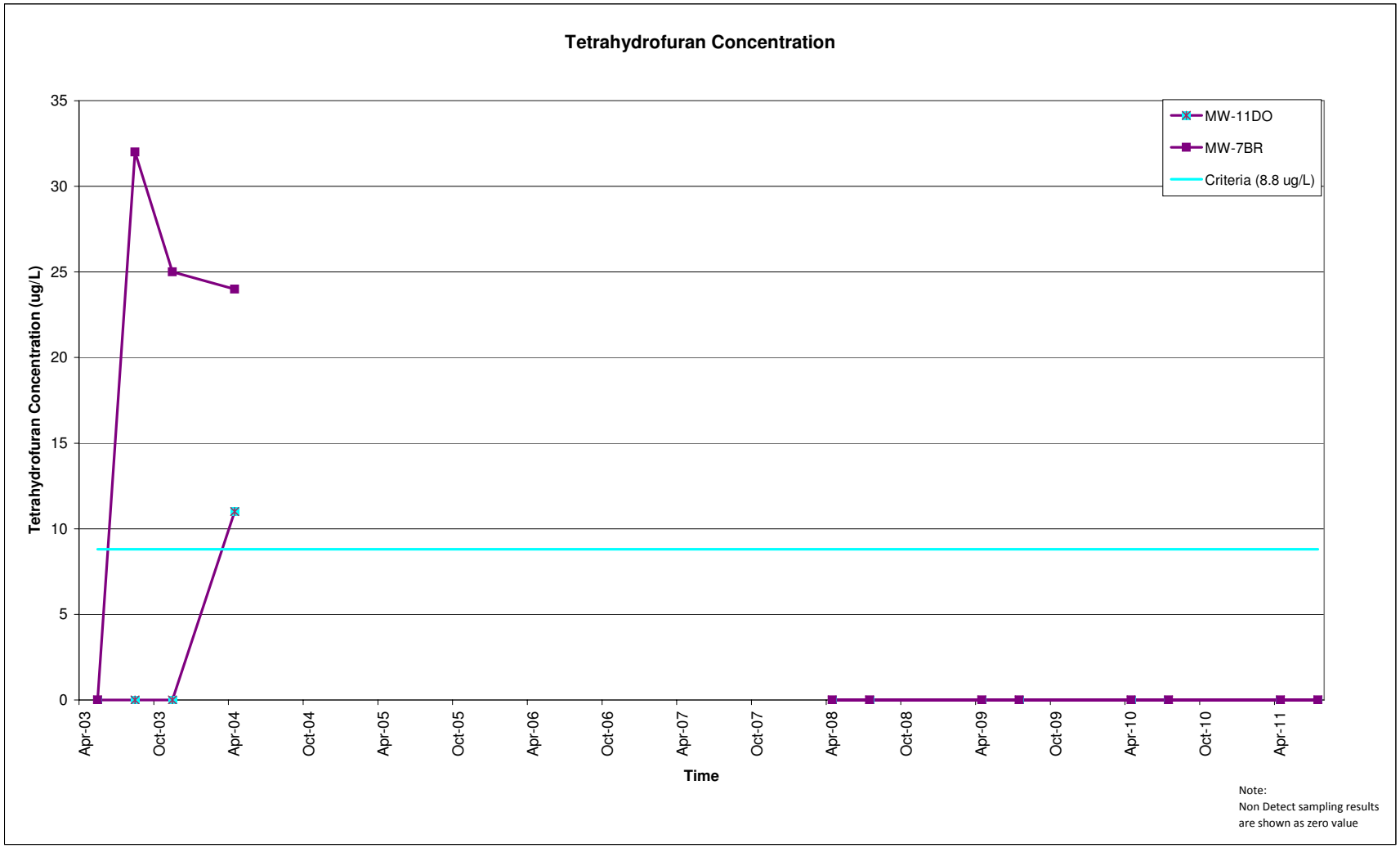
ppbv - parts per billion by volume

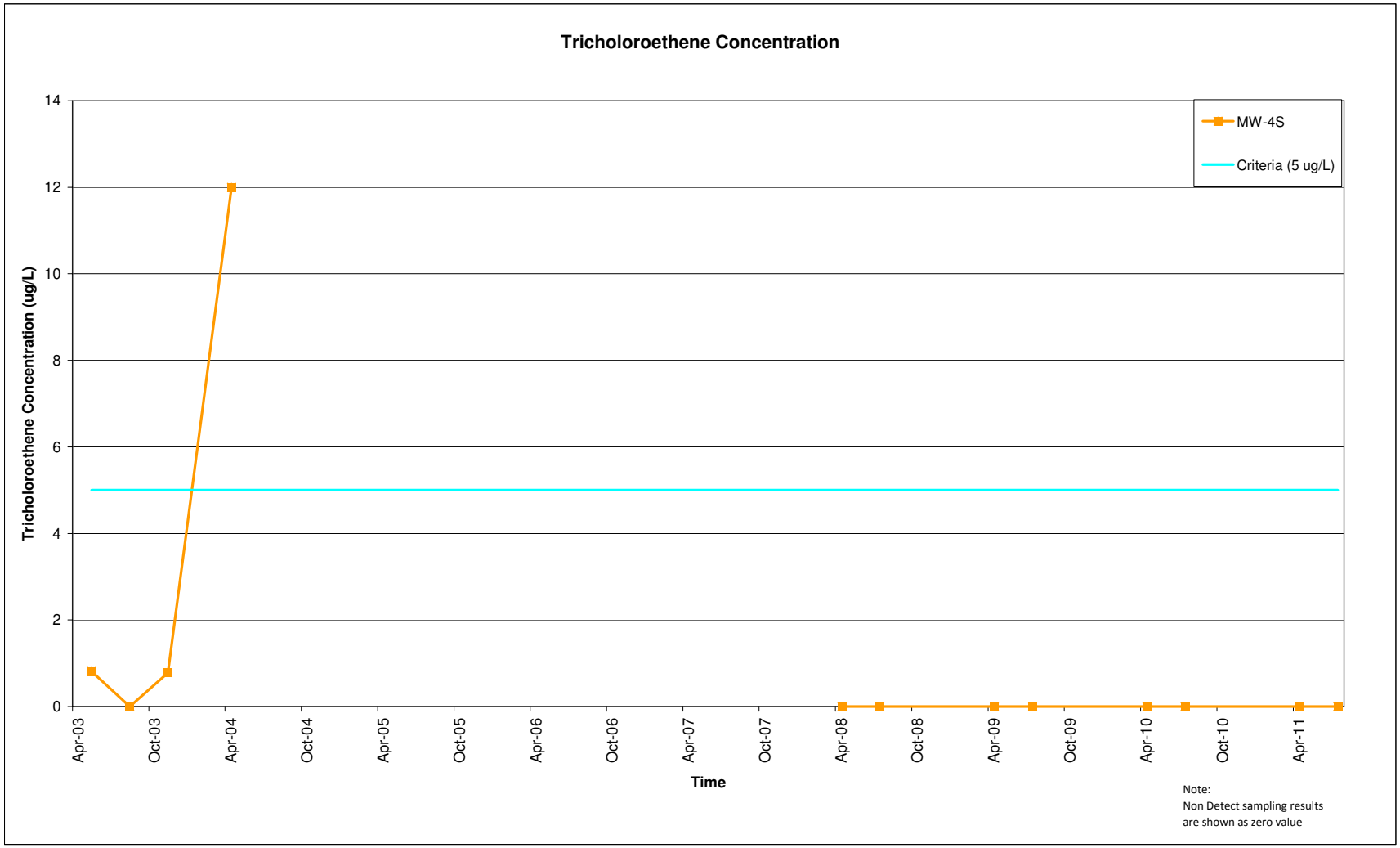
< - not detected above the Method Quantitation Limit

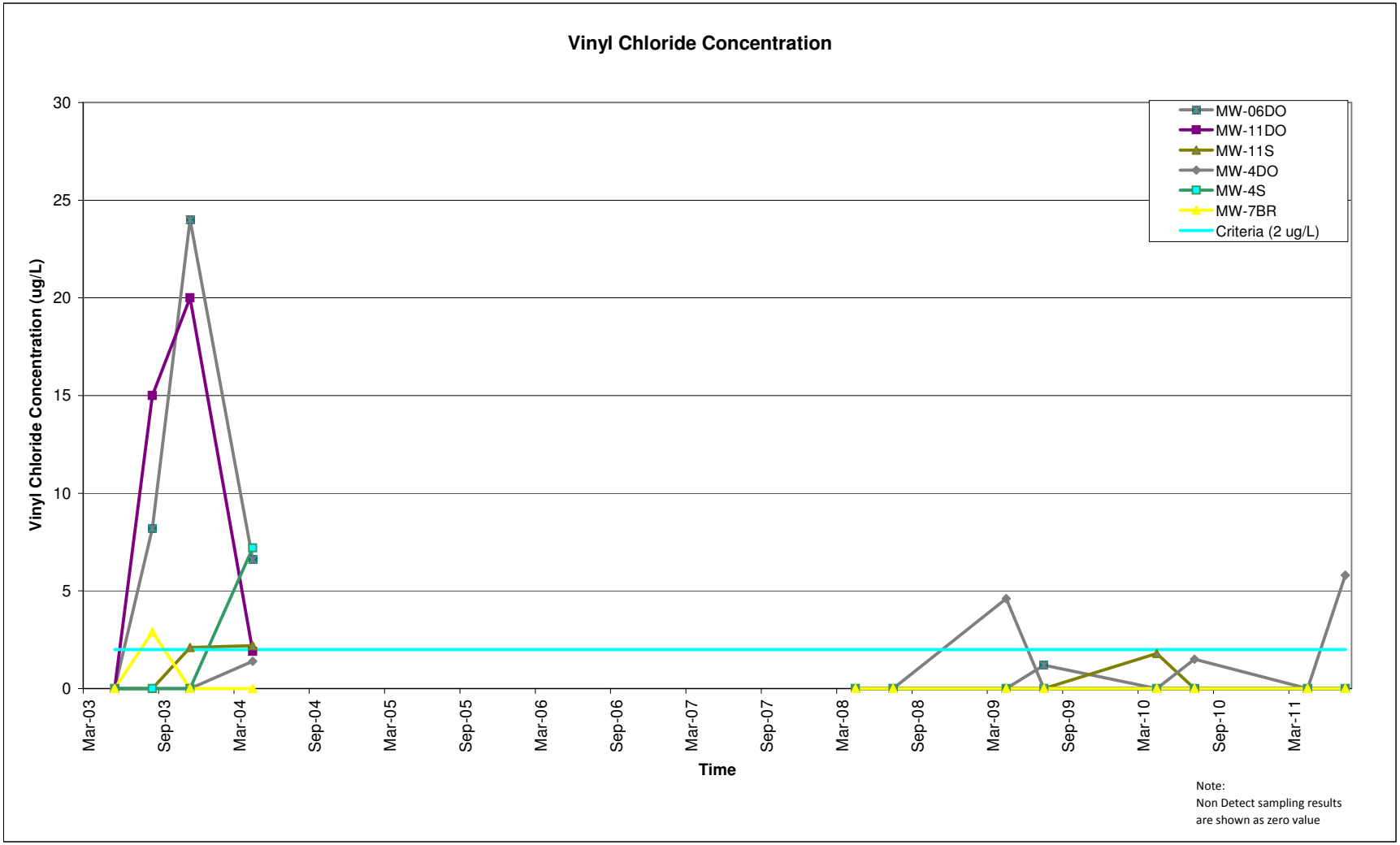
*1/2 value of MQL used in calculation of mean where analyte detected in a single sample,

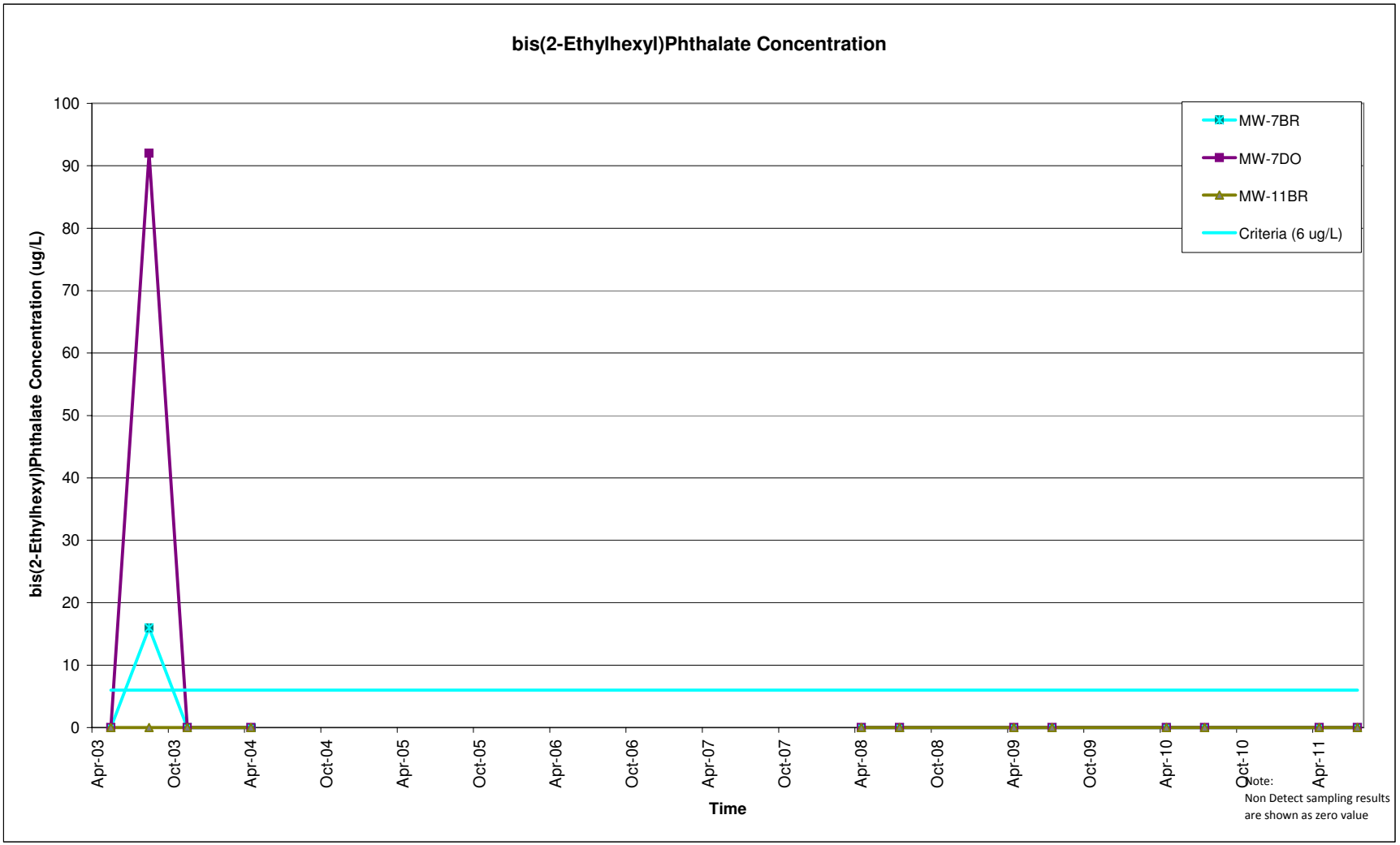
APPENDIX C
TREND ANALYSIS GRAPHS

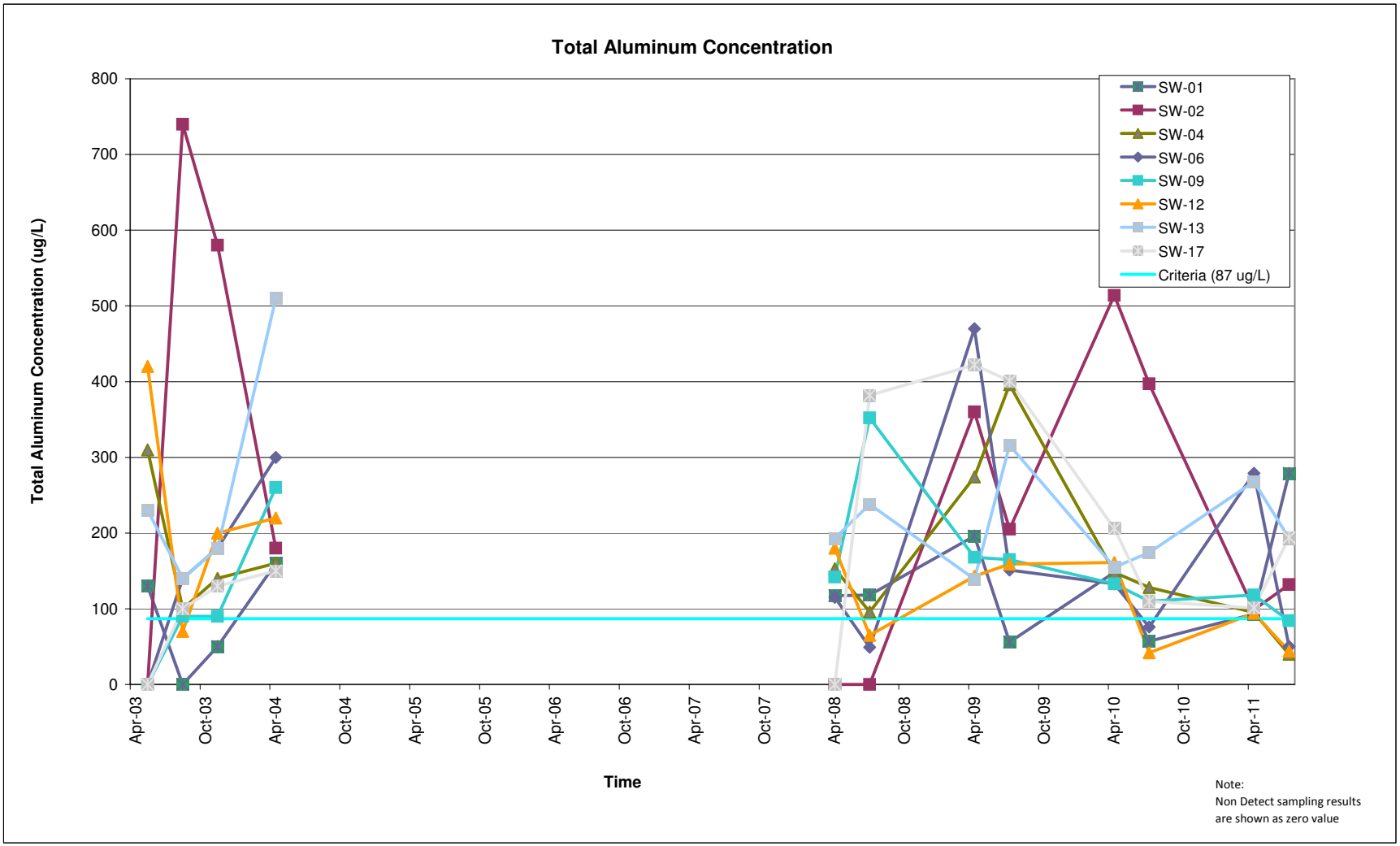

Manganese Concentration
Maganese Concentration (mg/L)
40
35
30
25
20
15
10
5
0
Apr-03
Oct-03
Apr-04
Oct-04
Apr-05
Oct-05
Apr-06
Oct-06
Apr-07
Oct-07
Apr-08
Oct-08
Apr-09
Oct-09
Apr-10
Oct-10
Apr-11
Time
MW-4S
MW-4DO
MW-06DO
MW-7DO
MW-11S
MW-11DO
MW-12S
MW-12DO
Criteria (0.3 mg/L)
Note:
Non Detect sampling results
are shown as zero value

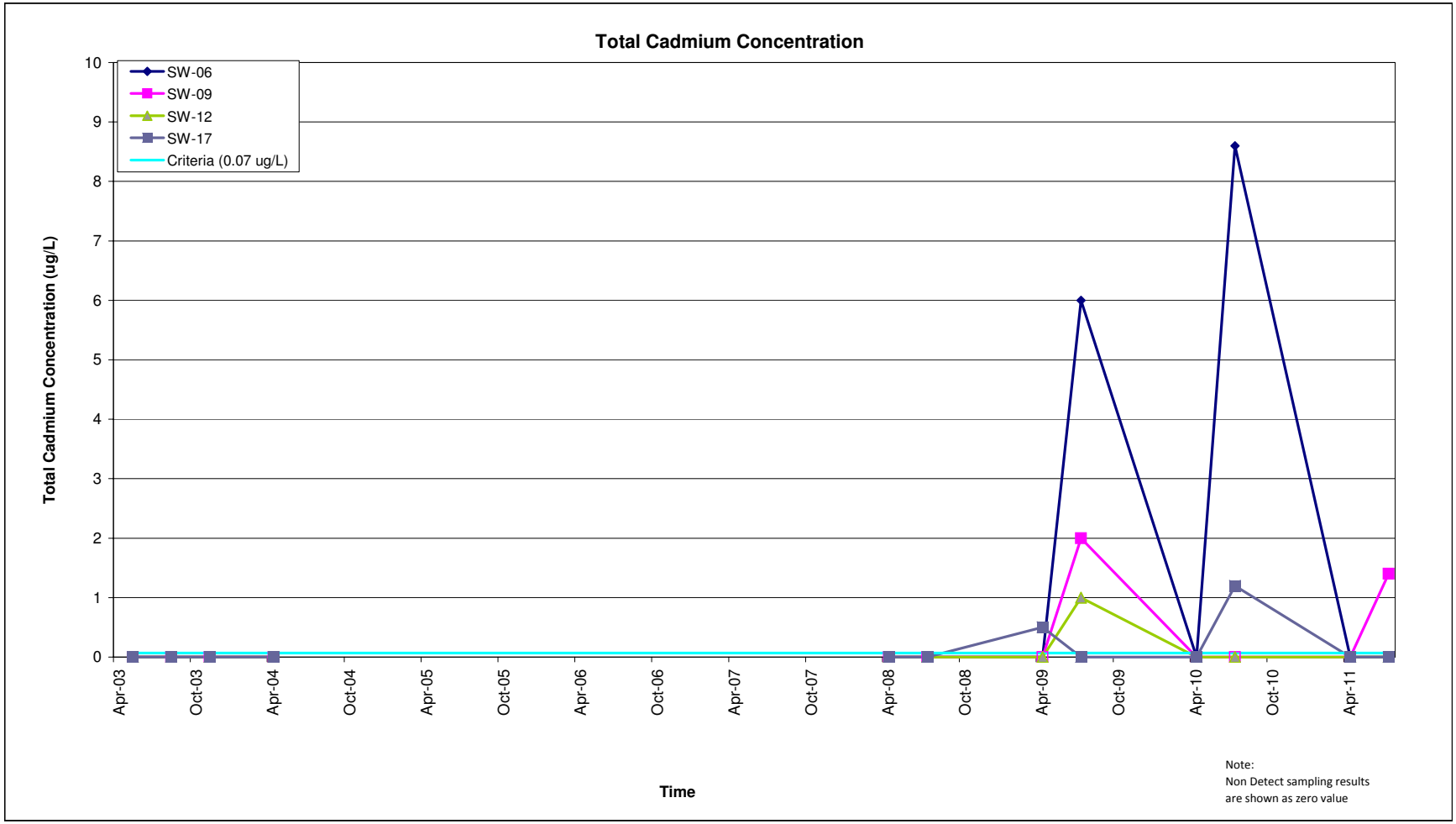

Tetrahydrofuran Concentration
Tetrahydrofuran Concentration (ug/L)
35
30
25
20
15
10
5
0
Apr-03
Oct-03
Apr-04
Oct-04
Apr-05
Oct-05
Apr-06
Oct-06
Apr-07
Oct-07
Apr-08
Oct-08
Apr-09
Oct-09
Apr-10
Oct-10
Apr-11
Time
MW-11DO
MW-7BR
Criteria (8.8 ug/L)
Note:
Non Detect sampling results
are shown as zero value

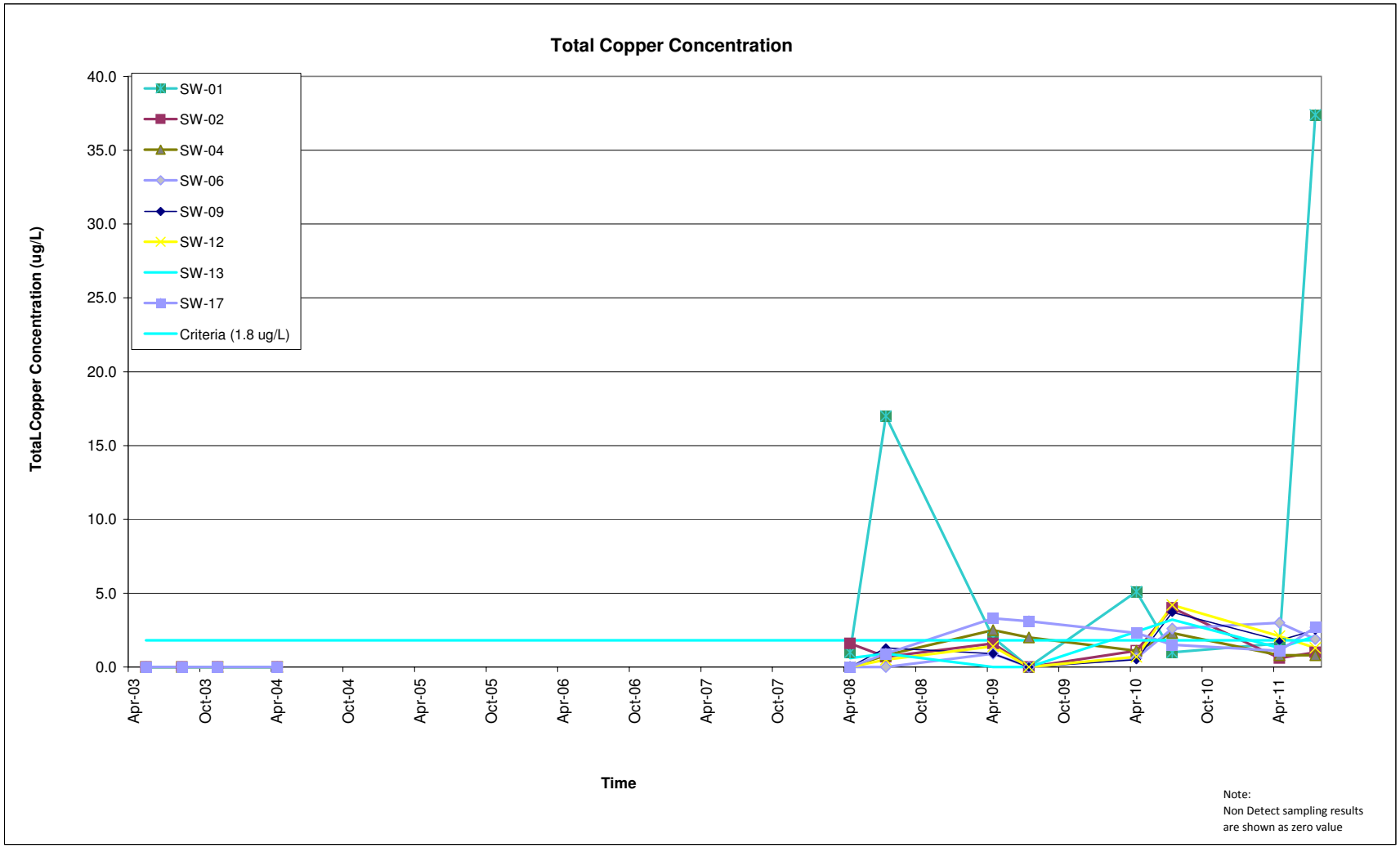

Tricholoroethene Concentration
Tricholoroethene Concentration (ug/L)
14
12
10
8
6
4
2
0
Apr-03
Oct-03
Apr-04
Oct-04
Apr-05
Oct-05
Apr-06
Oct-06
Apr-07
Oct-07
Apr-08
Oct-08
Apr-09
Oct-09
Apr-10
Oct-10
Apr-11
Time
MW-4S
Criteria (5 ug/L)
Note:
Non Detect sampling results
are shown as zero value

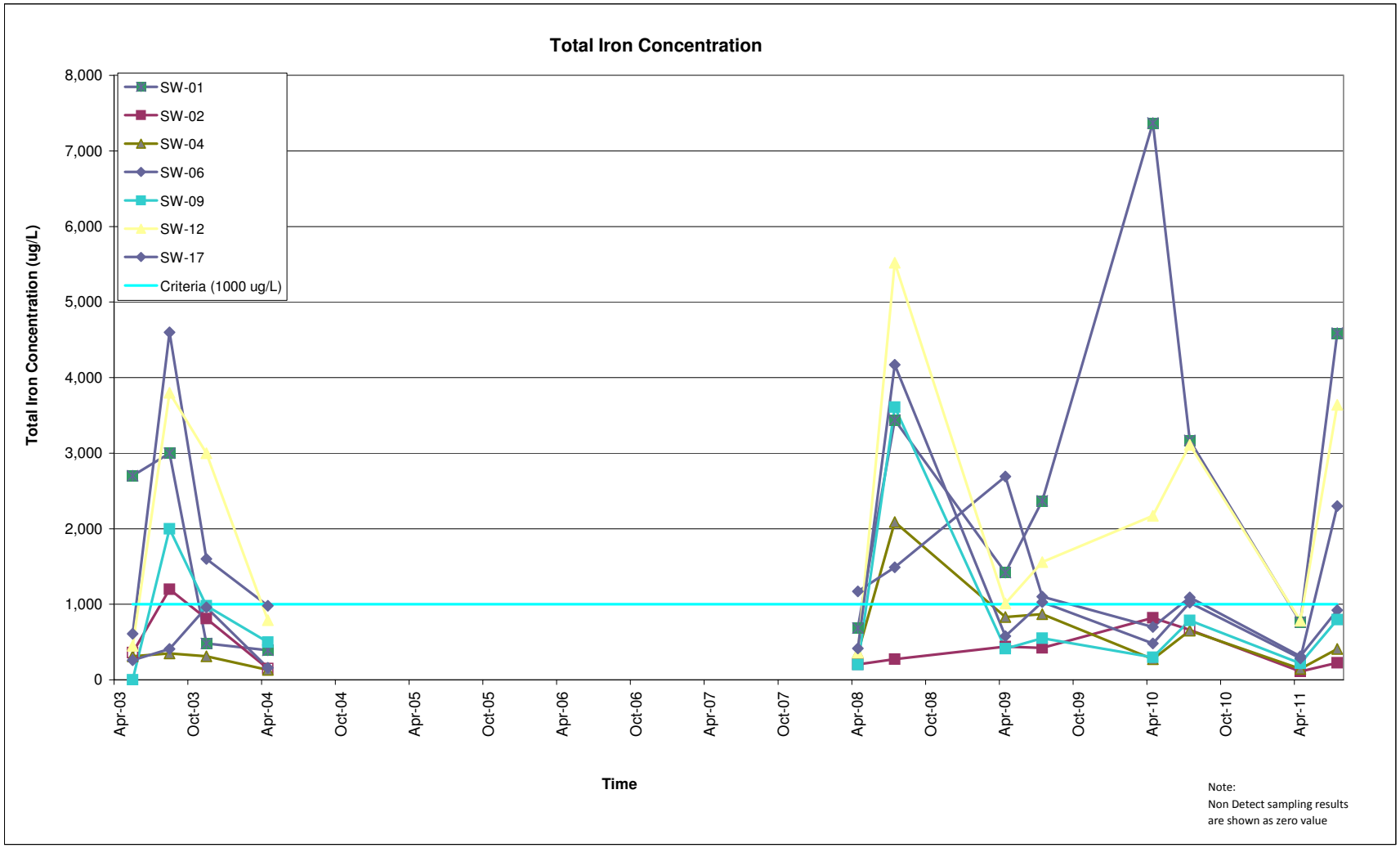

Vinyl Chloride Concentration
Vinyl Chloride Concentration (ug/L)
30
25
20
15
10
5
0
Mar-03
Sep-03
Mar-04
Sep-04
Mar-05
Sep-05
Mar-06
Sep-06
Mar-07
Sep-07
Mar-08
Sep-08
Mar-09
Sep-09
Mar-10
Sep-10
Mar-11
Time
MW-06DO
MW-11DO
MW-11S
MW-4DO
MW-4S
MW-7BR
Criteria (2 ug/L)
Note:
Non Detect sampling results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

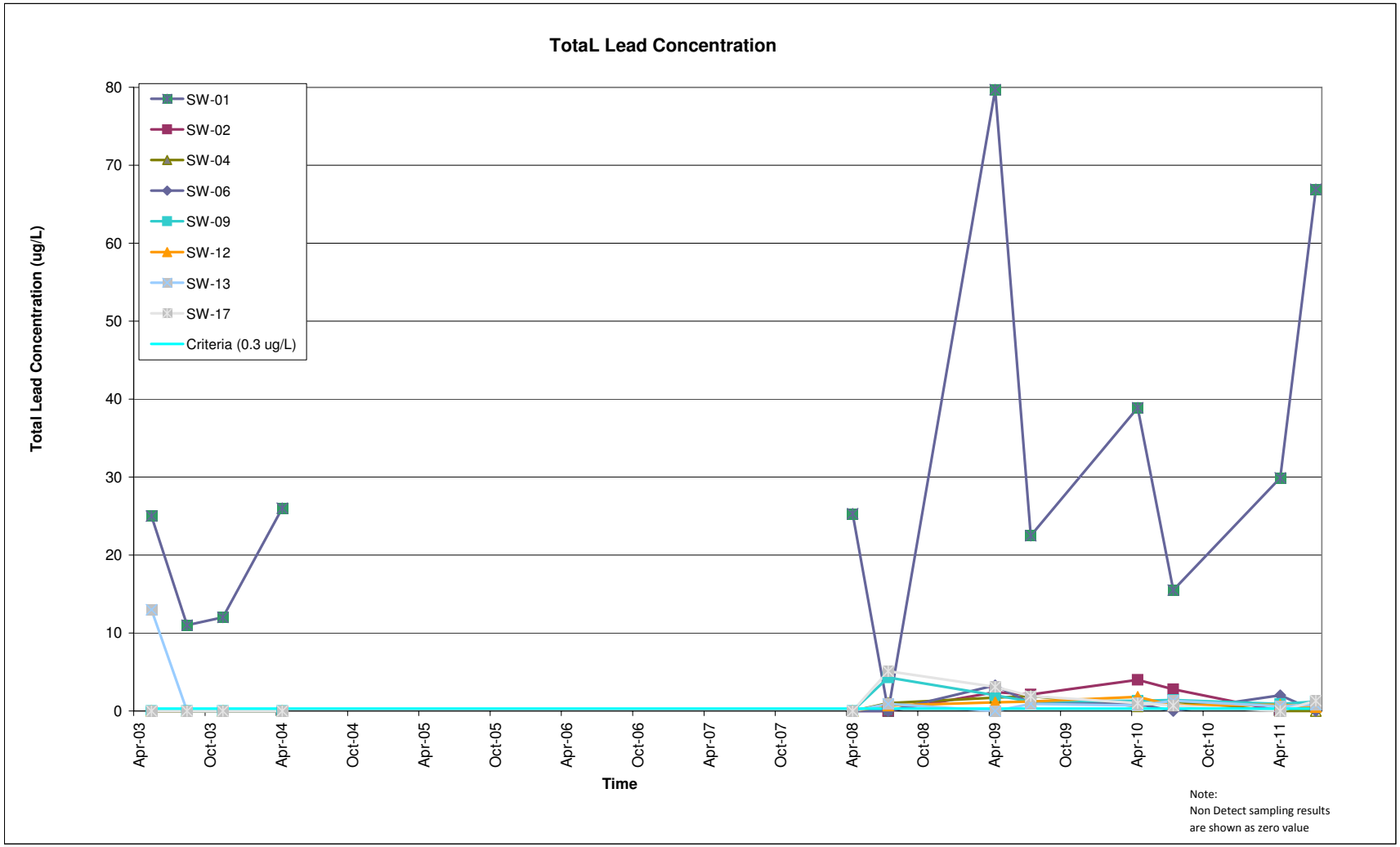

bis(2-Ethylhexyl)Phthalate Concentration
bis(2-Ethylhexyl)Phthalate Concentration (ug/L)
100
90
80
70
60
50
40
30
20
10
0
Apr-03
Oct-03
Apr-04
Oct-04
Apr-05
Oct-05
Apr-06
Oct-06
Apr-07
Oct-07
Apr-08
Oct-08
Apr-09
Oct-09
Apr-10
Oct-10
Apr-11
Time
MW-7BR
MW-7DO
MW-11BR
Criteria (6 ug/L)
Note:
Non Detect sampling results
are shown as zero value

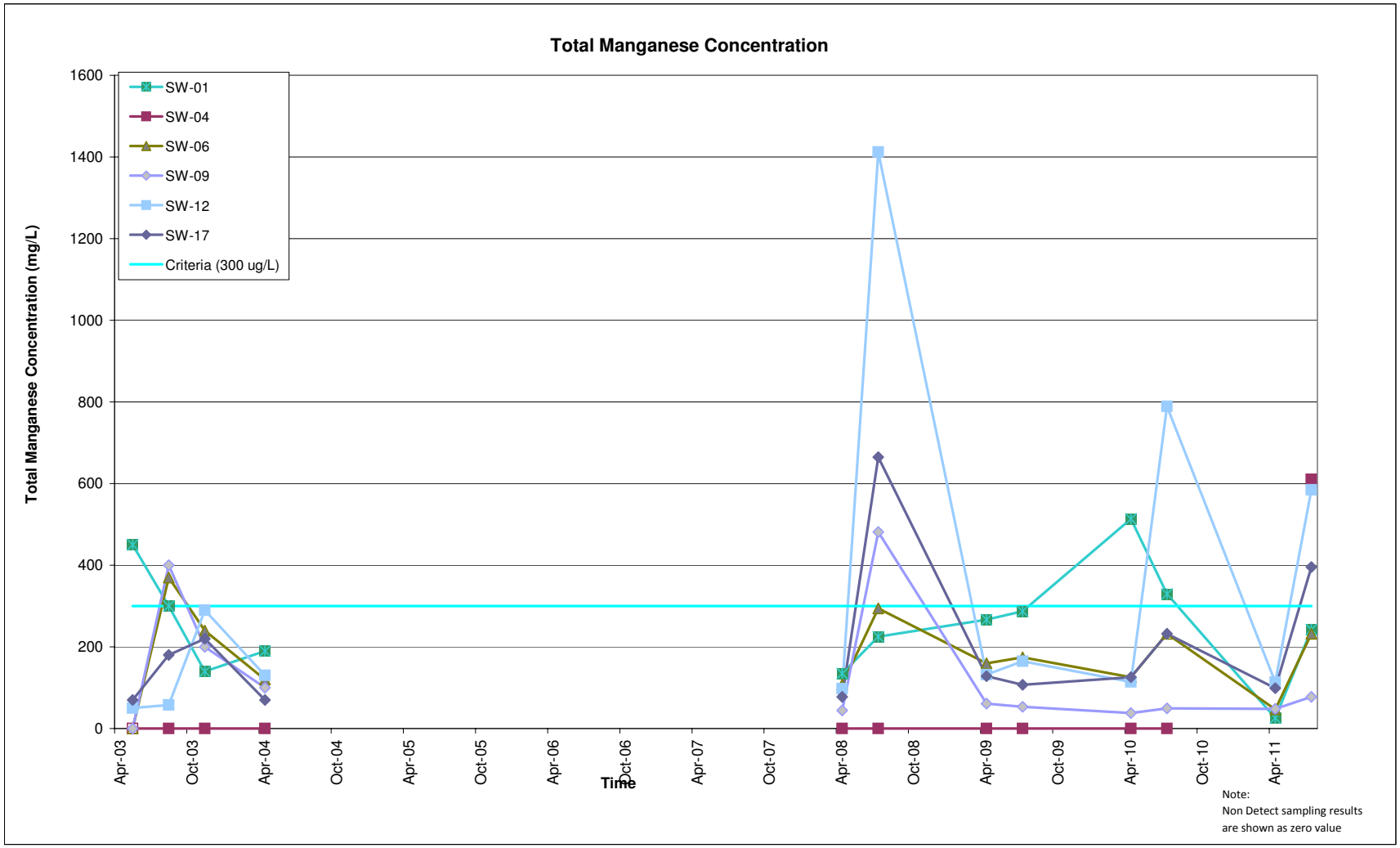

Total Aluminum Concentration
Total Aluminum Concentration (ug/L)
800
700
600
500
400
300
200
100
0
Apr-03
Oct-03
Apr-04
Oct-04
Apr-05
Oct-05
Apr-06
Oct-06
Apr-07
Oct-07
Apr-08
Oct-08
Apr-09
Oct-09
Apr-10
Oct-10
Apr-11
Time
SW-01
SW-02
SW-04
SW-06
SW-09
SW-12
SW-13
SW-17
Criteria (87 ug/L)
Note:
Non Detect sampling results
are shown as zero value

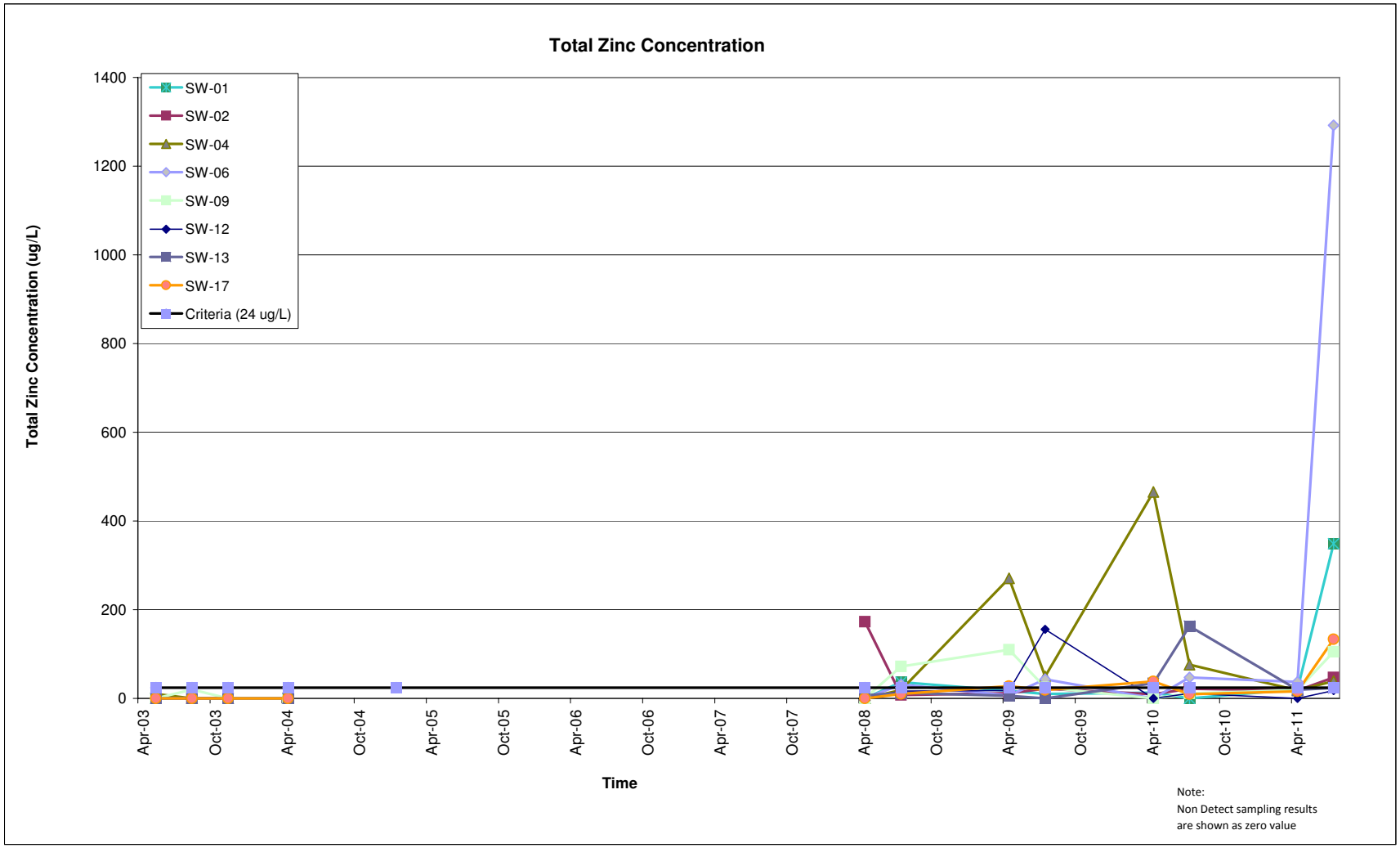

Total Cadmium Concentration
SW-06
SW-09
SW-12
SW-17
Criteria (0.07 ug/L)
Total Cadmium Concentration (ug/L)
0
1
2
3
4
5
6
7
8
9
10
Apr-03
Oct-03
Apr-04
Oct-04
Apr-05
Oct-05
Apr-06
Oct-06
Apr-07
Oct-07
Apr-08
Oct-08
Apr-09
Oct-09
Apr-10
Oct-10
Apr-11
Time
Note:
Non Detect sampling results
are shown as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

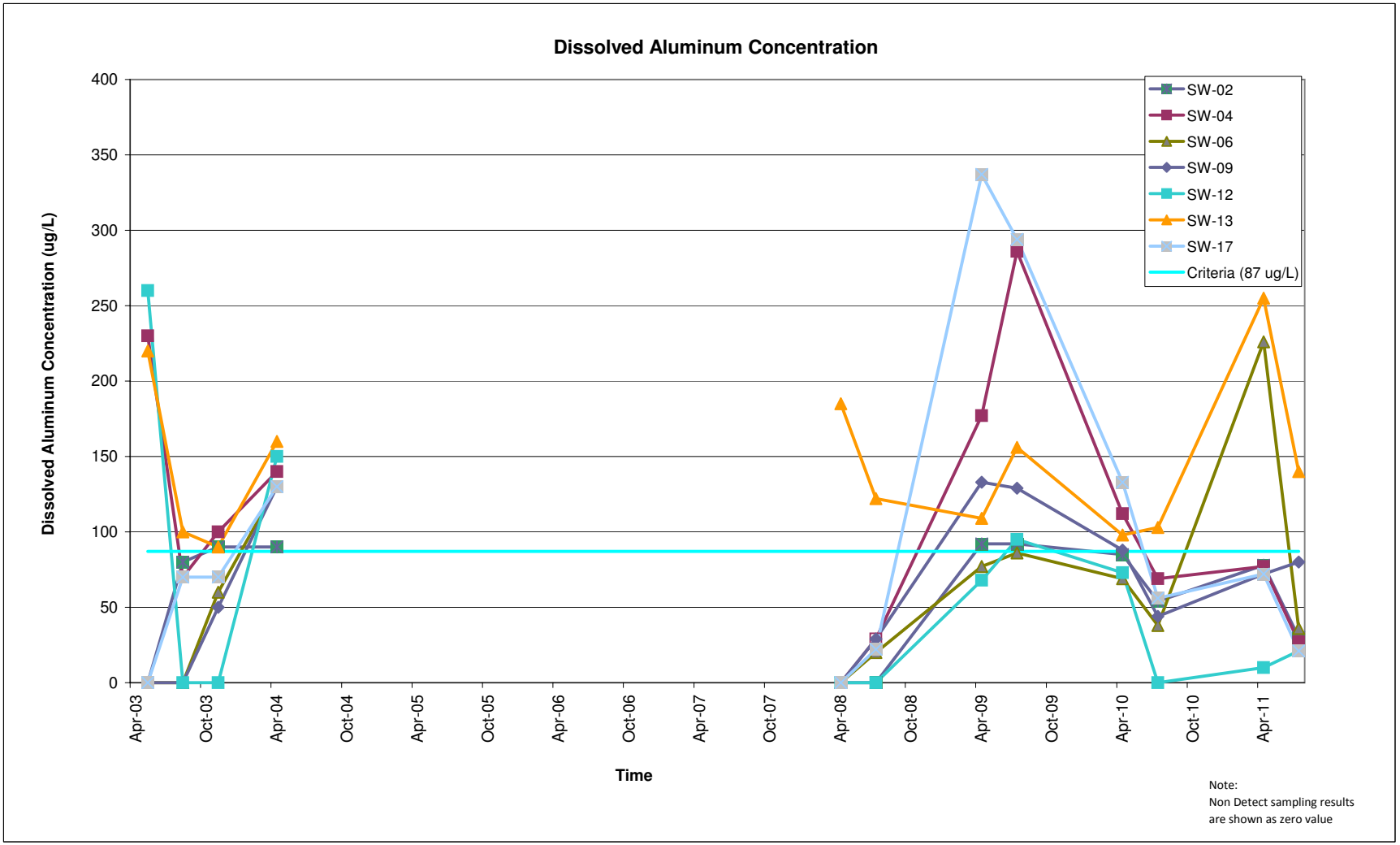

Total Copper Concentration
TotaLCopper Concentration (ug/L)
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
SW-01
SW-02
SW-04
SW-06
SW-09
SW-12
SW-13
SW-17
Criteria (1.8 ug/L)
Apr-03
Oct-03
Apr-04
Oct-04
Apr-05
Oct-05
Apr-06
Oct-06
Apr-07
Oct-07
Apr-08
Oct-08
Apr-09
Oct-09
Apr-10
Oct-10
Apr-11
Time
Note: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

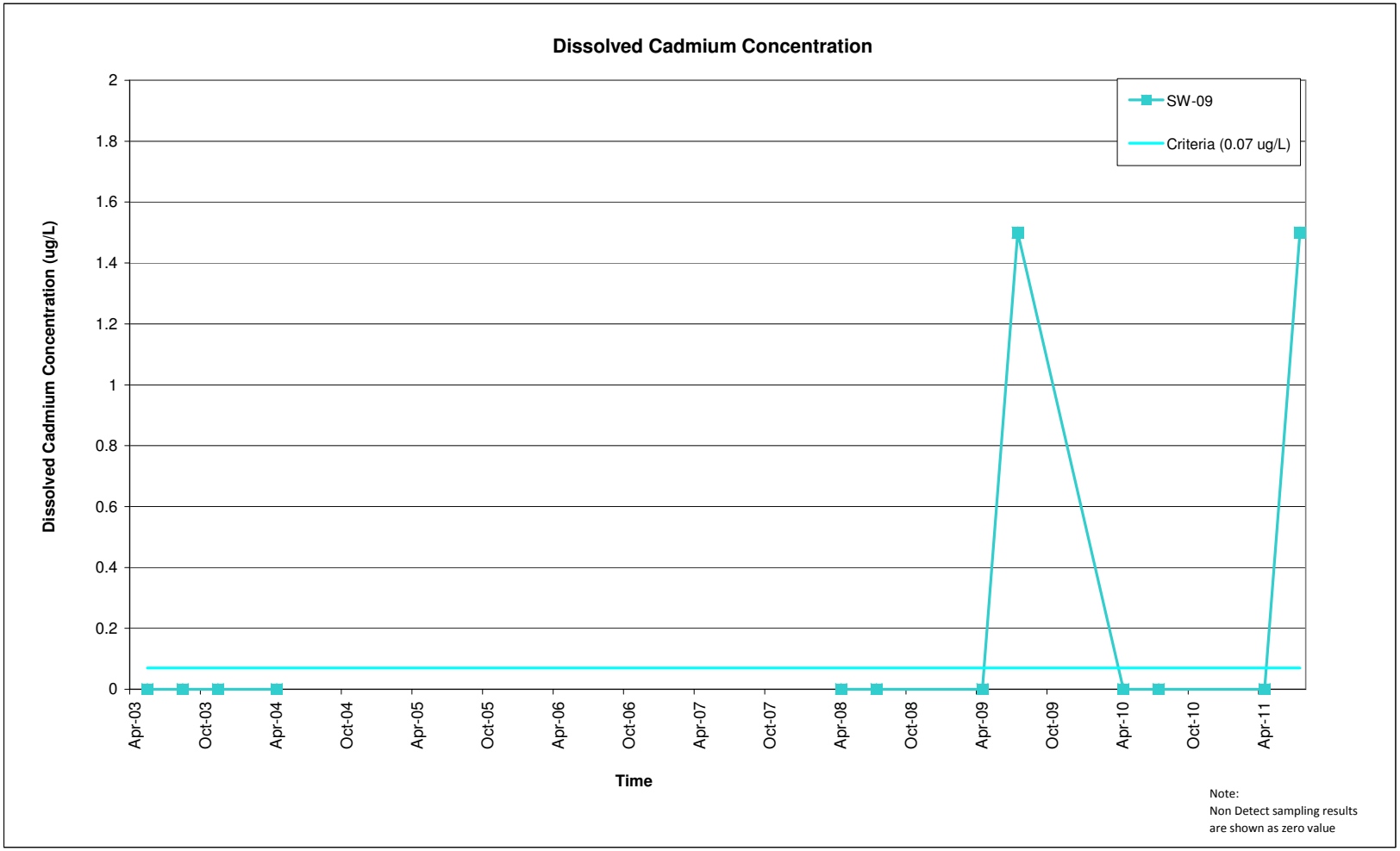

Total Iron Concentration
Total Iron Concentration (ug/L)
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
SW-01
SW-02
SW-04
SW-06
SW-09
SW-12
SW-17
Criteria (1000 ug/L)
Apr-03
Oct-03
Apr-04
Oct-04
Apr-05
Oct-05
Apr-06
Oct-06
Apr-07
Oct-07
Apr-08
Oct-08
Apr-09
Oct-09
Apr-10
Oct-10
Apr-11
Time
Note:
Non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

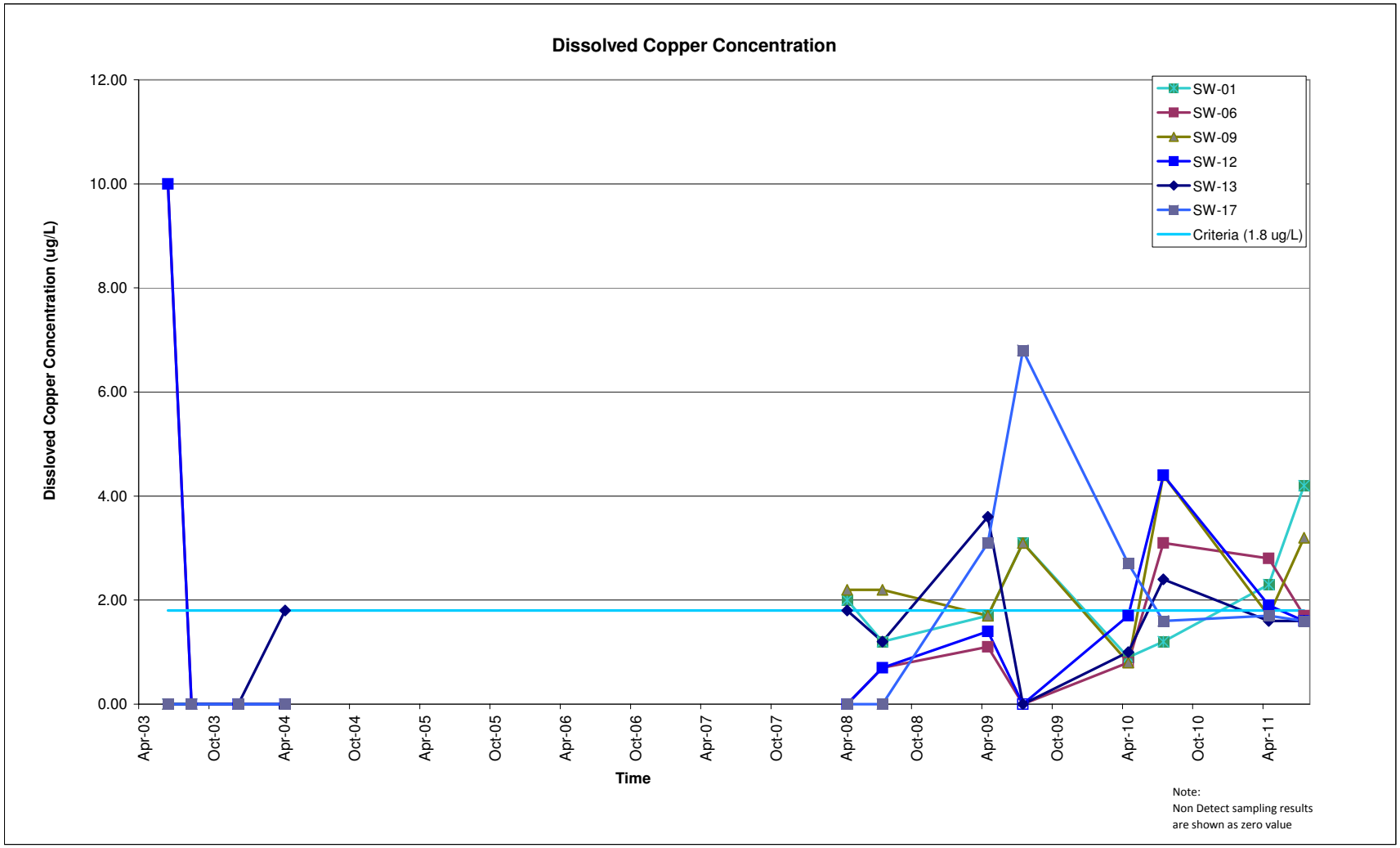

TotaL Lead Concentration
Total Lead Concentration (ug/L)
80
70
60
50
40
30
20
10
0
SW-01
SW-02
SW-04
SW-06
SW-09
SW-12
SW-13
SW-17
Criteria (0.3 ug/L)
Apr-03
Oct-03
Apr-04
Oct-04
Apr-05
Oct-05
Apr-06
Oct-06
Apr-07
Oct-07
Apr-08
Oct-08
Apr-09
Oct-09
Apr-10
Oct-10
Apr-11
Time
Note:
Non Detect sampling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

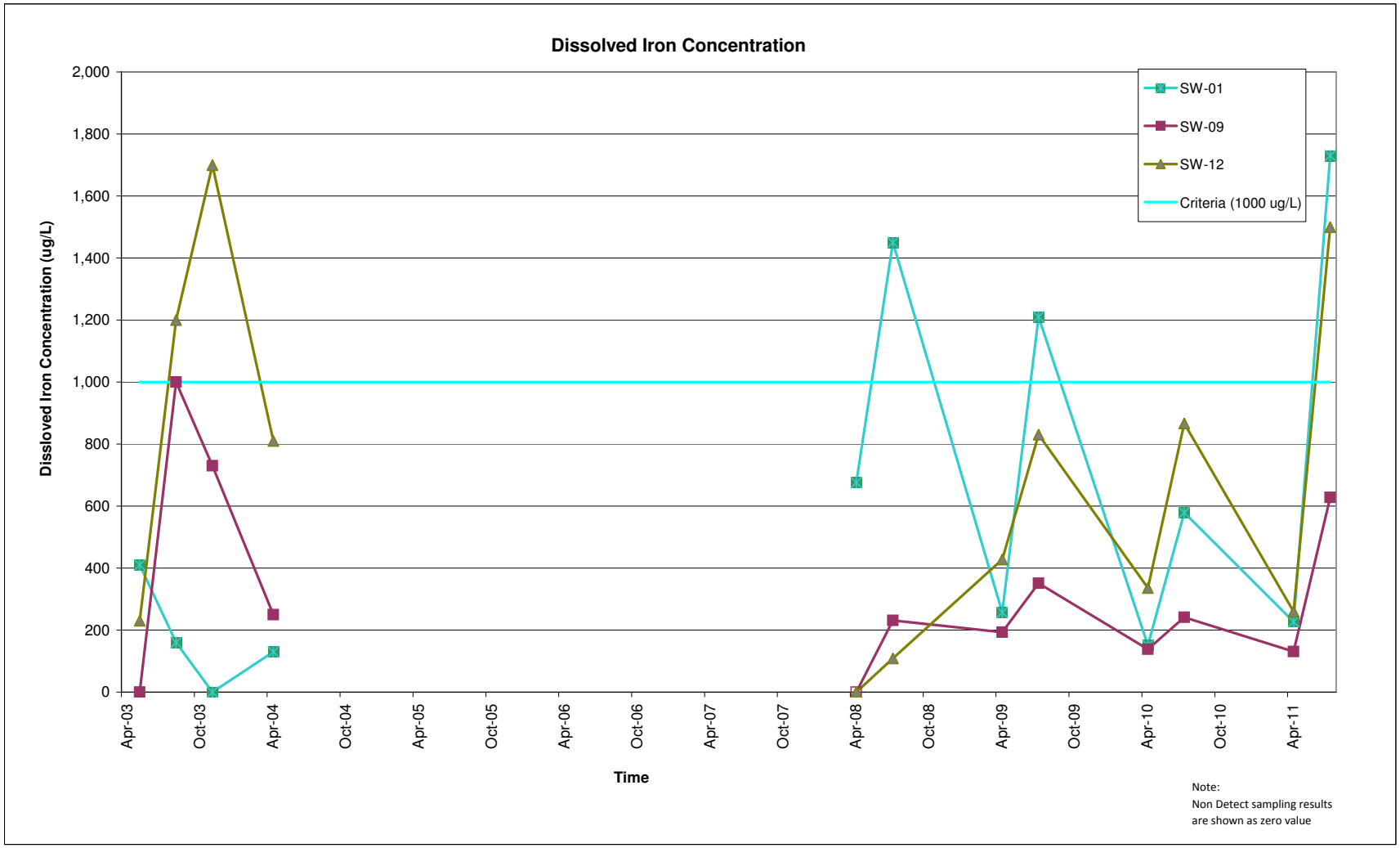

Total Manganese Concentration
Total Manganese Concentration (mg/L)
1600
1400
1200
1000
800
600
400
200
0
SW-01
SW-04
SW-06
SW-09
SW-12
SW-17
Criteria (300 ug/L)
Apr-03
Oct-03
Apr-04
Oct-04
Apr-05
Oct-05
Apr-06
Oct-06
Apr-07
Oct-07
Apr-08
Oct-08
Apr-09
Oct-09
Apr-10
Oct-10
Apr-11
Time
Note:
Non Detect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

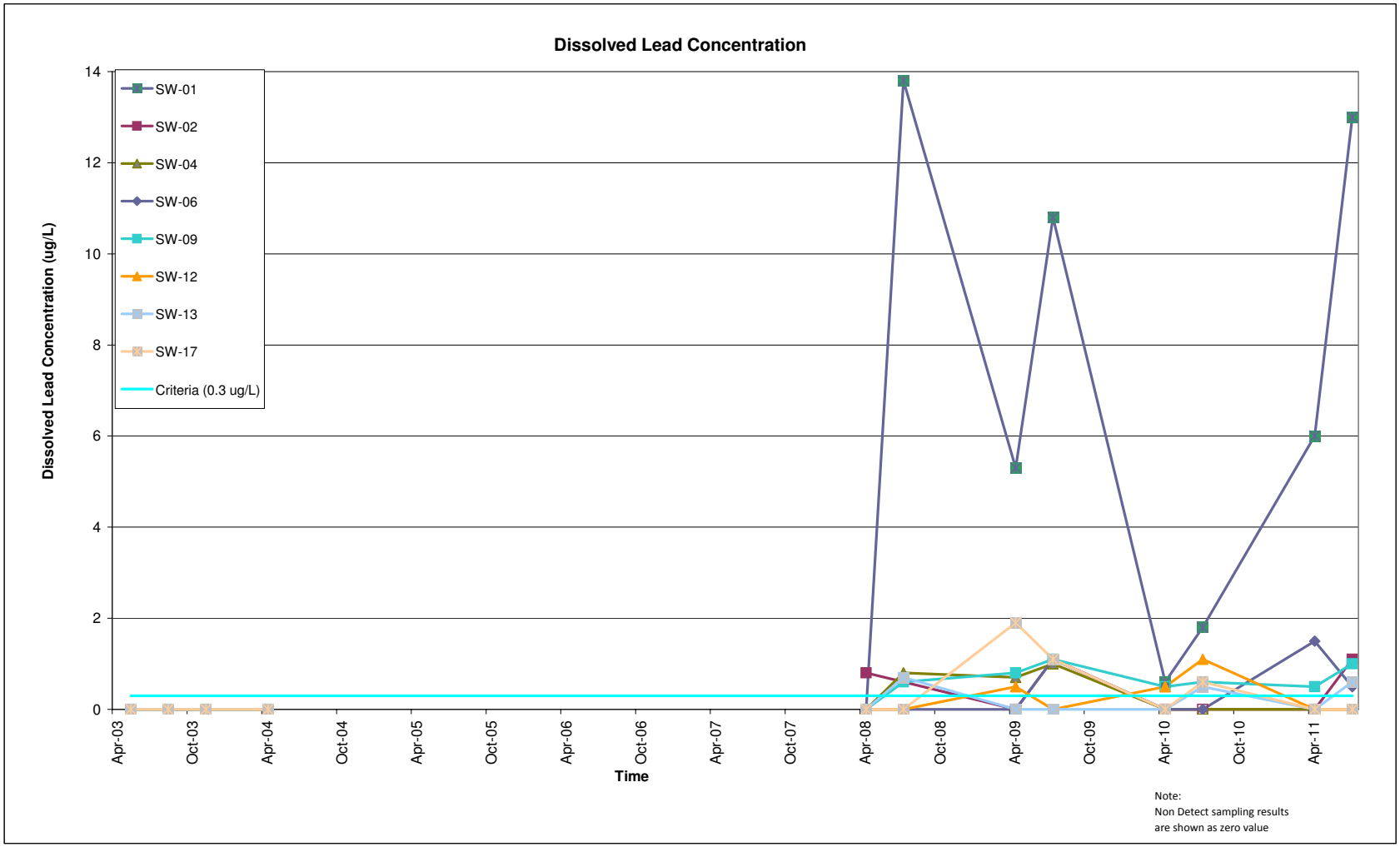

Total Zinc Concentration
Total Zinc Concentration (ug/L)
1400
1200
1000
800
600
400
200
0
SW-01
SW-02
SW-04
SW-06
SW-09
SW-12
SW-13
SW-17
Criteria (24 ug/L)
Apr-03
Oct-03
Apr-04
Oct-04
Apr-05
Oct-05
Apr-06
Oct-06
Apr-07
Oct-07
Apr-08
Oct-08
Apr-09
Oct-09
Apr-10
Oct-10
Apr-11
Time
Note:
Non Detect sampling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

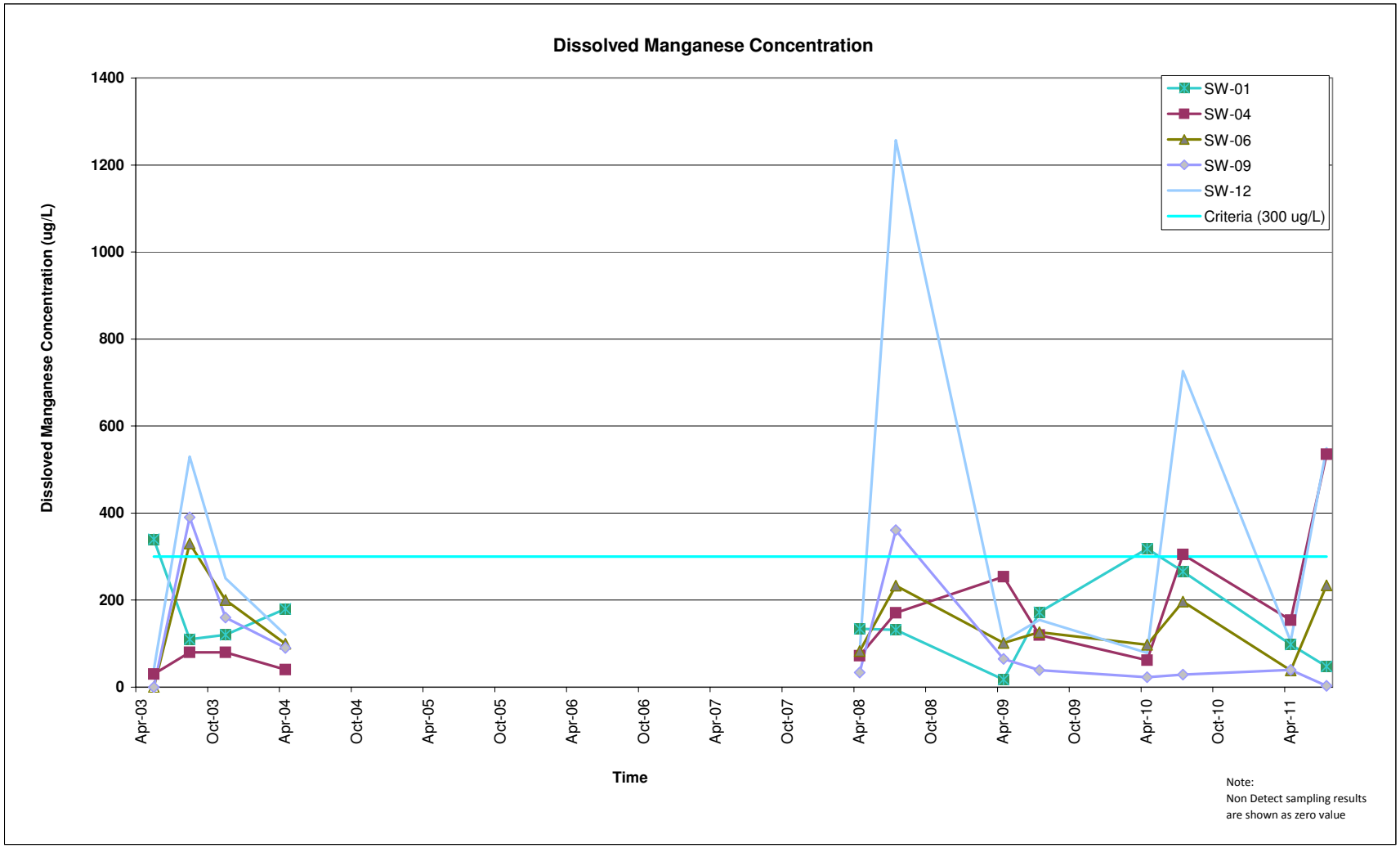

Dissolved Aluminum Concentration
Dissolved Aluminum Concentration (ug/L)
400
350
300
250
200
150
100
50
0
Apr-03
Oct-03
Apr-04
Oct-04
Apr-05
Oct-05
Apr-06
Oct-06
Apr-07
Oct-07
Apr-08
Oct-08
Apr-09
Oct-09
Apr-10
Oct-10
Apr-11
Time
SW-02
SW-04
SW-06
SW-09
SW-12
SW-13
SW-17
Criteria (87 ug/L)
Note:
Non Detect sampling results
are shown as zero value

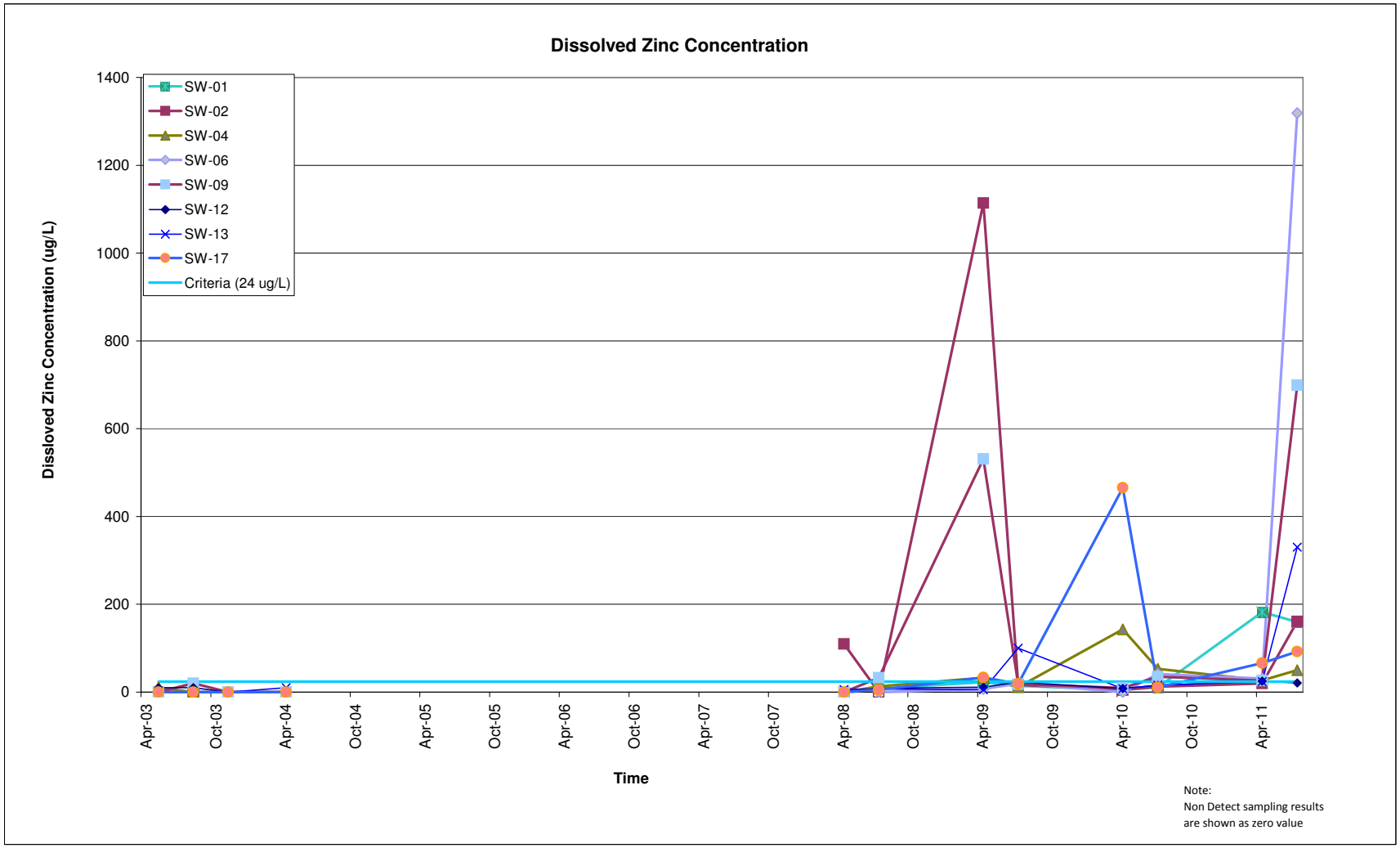

Dissolved Cadmium Concentration
Dissolved Cadmium Concentration (ug/L)
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
SW-09
Criteria (0.07 ug/L)
Apr-03
Oct-03
Apr-04
Oct-04
Apr-05
Oct-05
Apr-06
Oct-06
Apr-07
Oct-07
Apr-08
Oct-08
Apr-09
Oct-09
Apr-10
Oct-10
Apr-11
Time
Note:
Non Detect sampling results
are shown as zero value

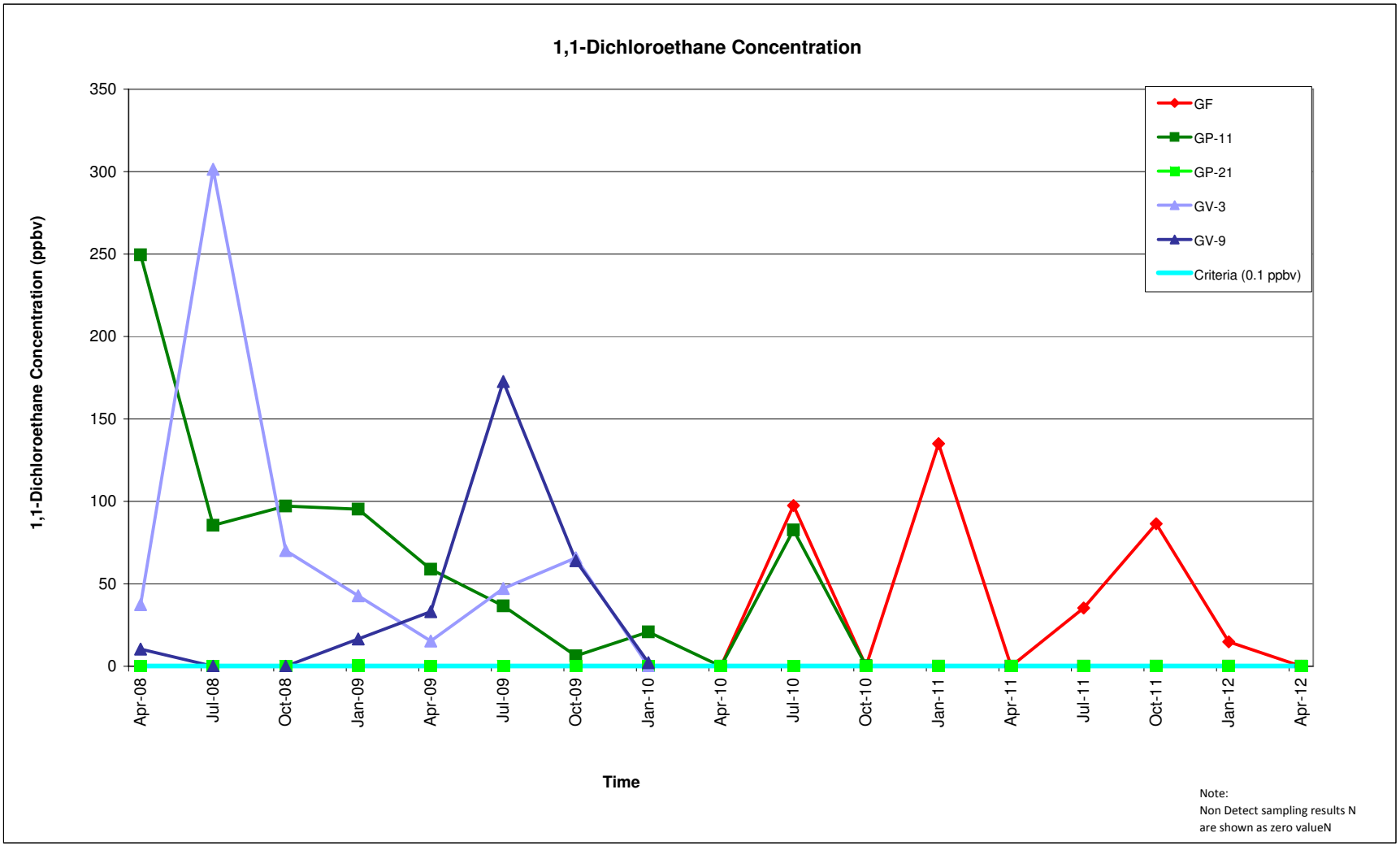

Dissolved Copper Concentration
Dissloved Copper Concentration (ug/L)
12.00
10.00
8.00
6.00
4.00
2.00
0.00
Apr-03
Oct-03
Apr-04
Oct-04
Apr-05
Oct-05
Apr-06
Oct-06
Apr-07
Oct-07
Apr-08
Oct-08
Apr-09
Oct-09
Apr-10
Oct-10
Apr-11
Time
SW-01
SW-06
SW-09
SW-12
SW-13
SW-17
Criteria (1.8 ug/L)
Note:
Non Detect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

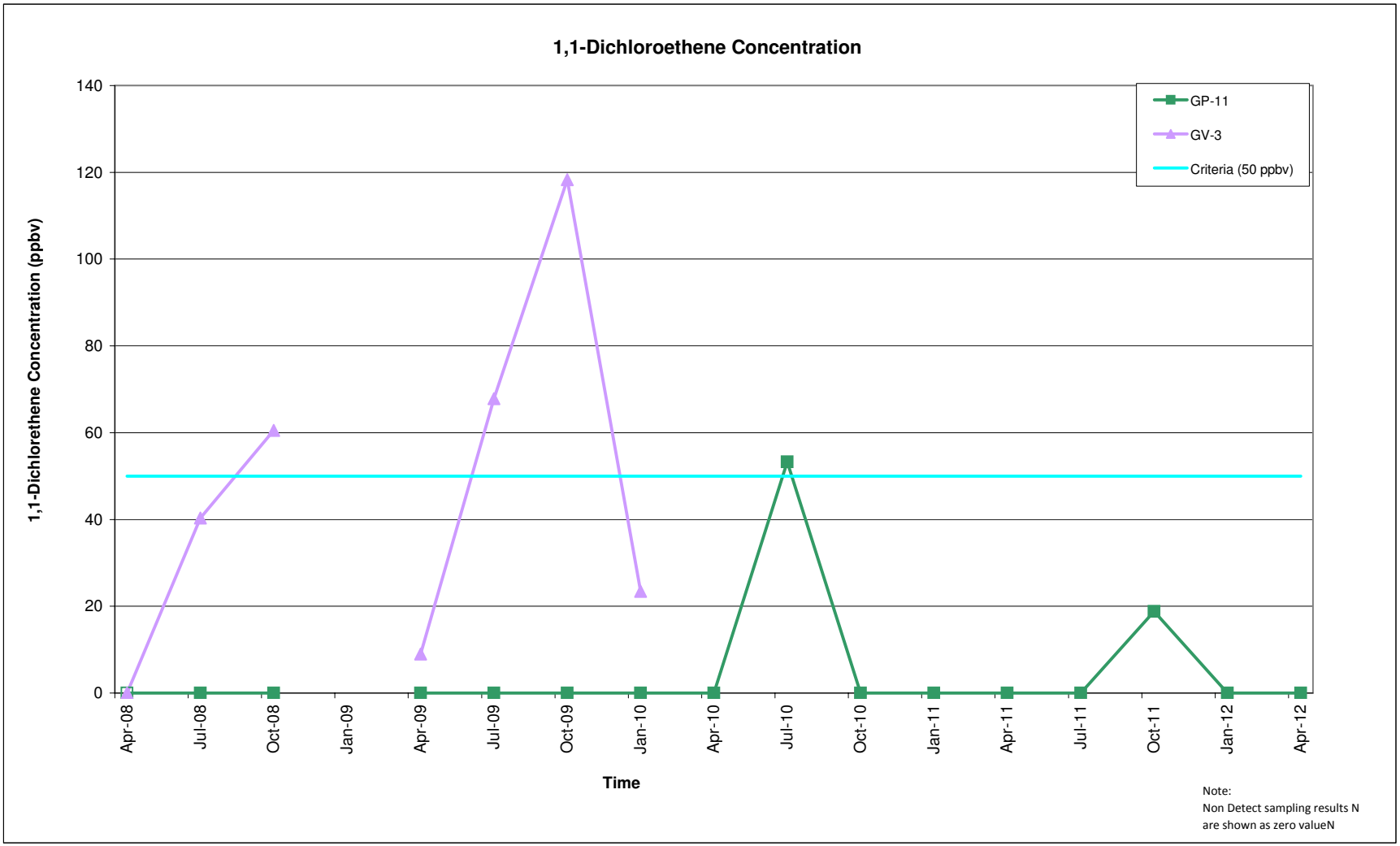

Dissolved Iron Concentration
Dissloved Iron Concentration (ug/L)
2,000
1,800
1,600
1,400
1,200
1,000
800
600
400
200
0
Apr-03
Oct-03
Apr-04
Oct-04
Apr-05
Oct-05
Apr-06
Oct-06
Apr-07
Oct-07
Apr-08
Oct-08
Apr-09
Oct-09
Apr-10
Oct-10
Apr-11
Time
SW-01
SW-09
SW-12
Criteria (1000 ug/L)
Note:
Non Detect sampling results
are shown as zero value

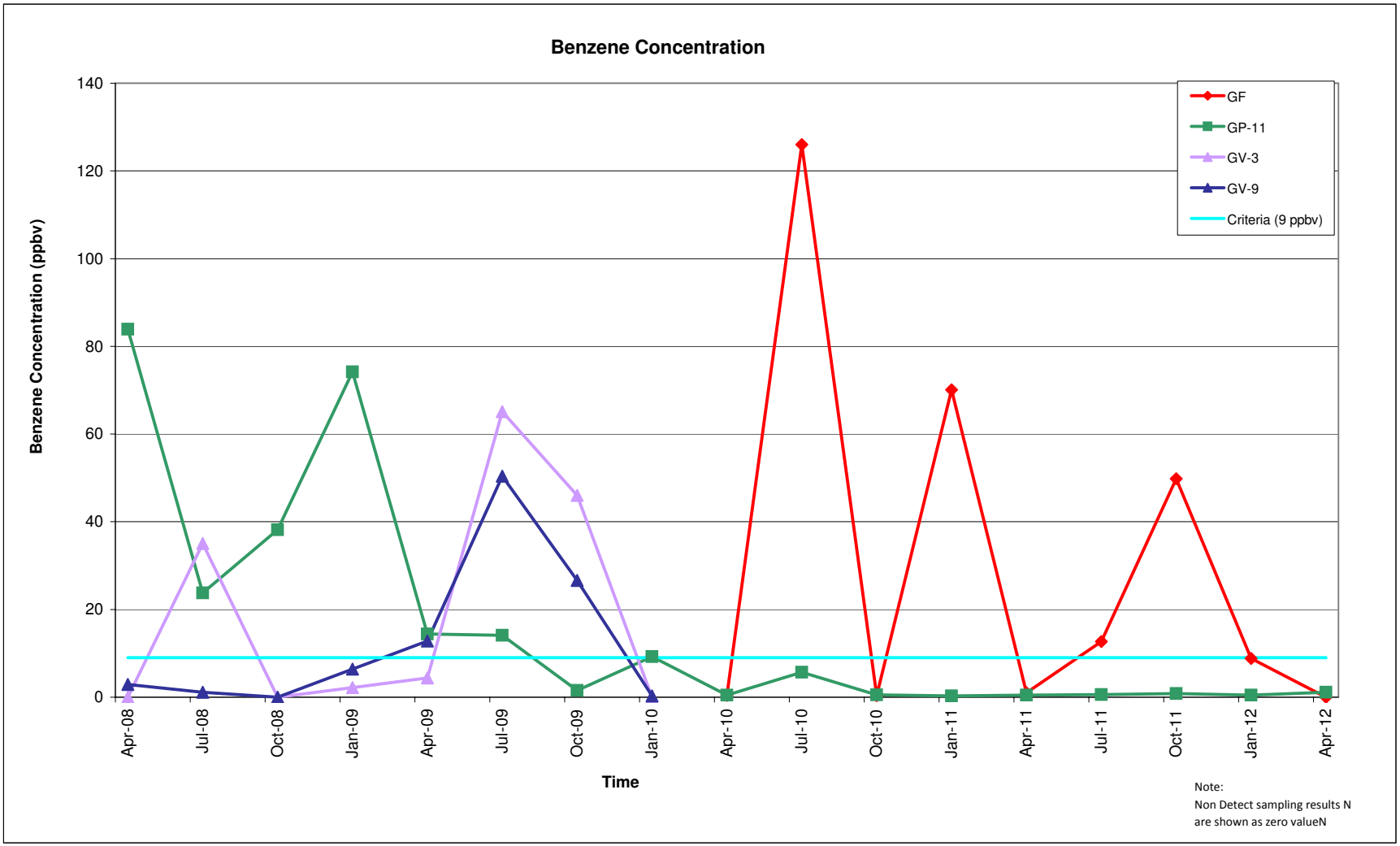

Dissolved Lead Concentration
Dissolved Lead Concentration (ug/L)
14
12
10
8
6
4
2
0
SW-01
SW-02
SW-04
SW-06
SW-09
SW-12
SW-13
SW-17
Criteria (0.3 ug/L)
Apr-03
Oct-03
Apr-04
Oct-04
Apr-05
Oct-05
Apr-06
Oct-06
Apr-07
Oct-07
Apr-08
Oct-08
Apr-09
Oct-09
Apr-10
Oct-10
Apr-11
Time
Note:
Non Detect sampling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

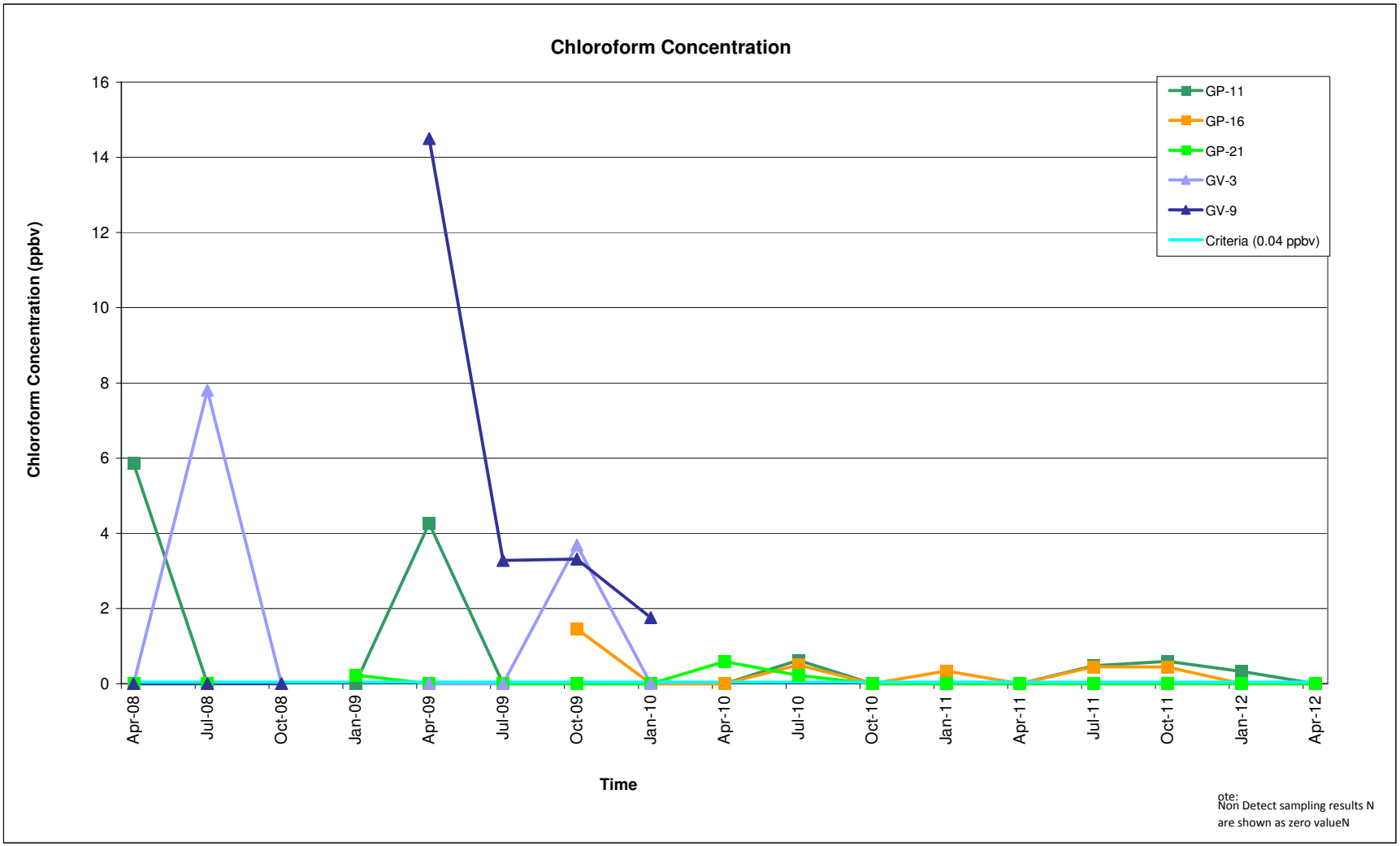

Dissolved Manganese Concentration
Dissloved Manganese Concentration (ug/L)
1400
1200
1000
800
600
400
200
0
Apr-03
Oct-03
Apr-04
Oct-04
Apr-05
Oct-05
Apr-06
Oct-06
Apr-07
Oct-07
Apr-08
Oct-08
Apr-09
Oct-09
Apr-10
Oct-10
Apr-11
Time
SW-01
SW-04
SW-06
SW-09
SW-12
Criteria (300 ug/L)
Note:
Non Detect sampling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

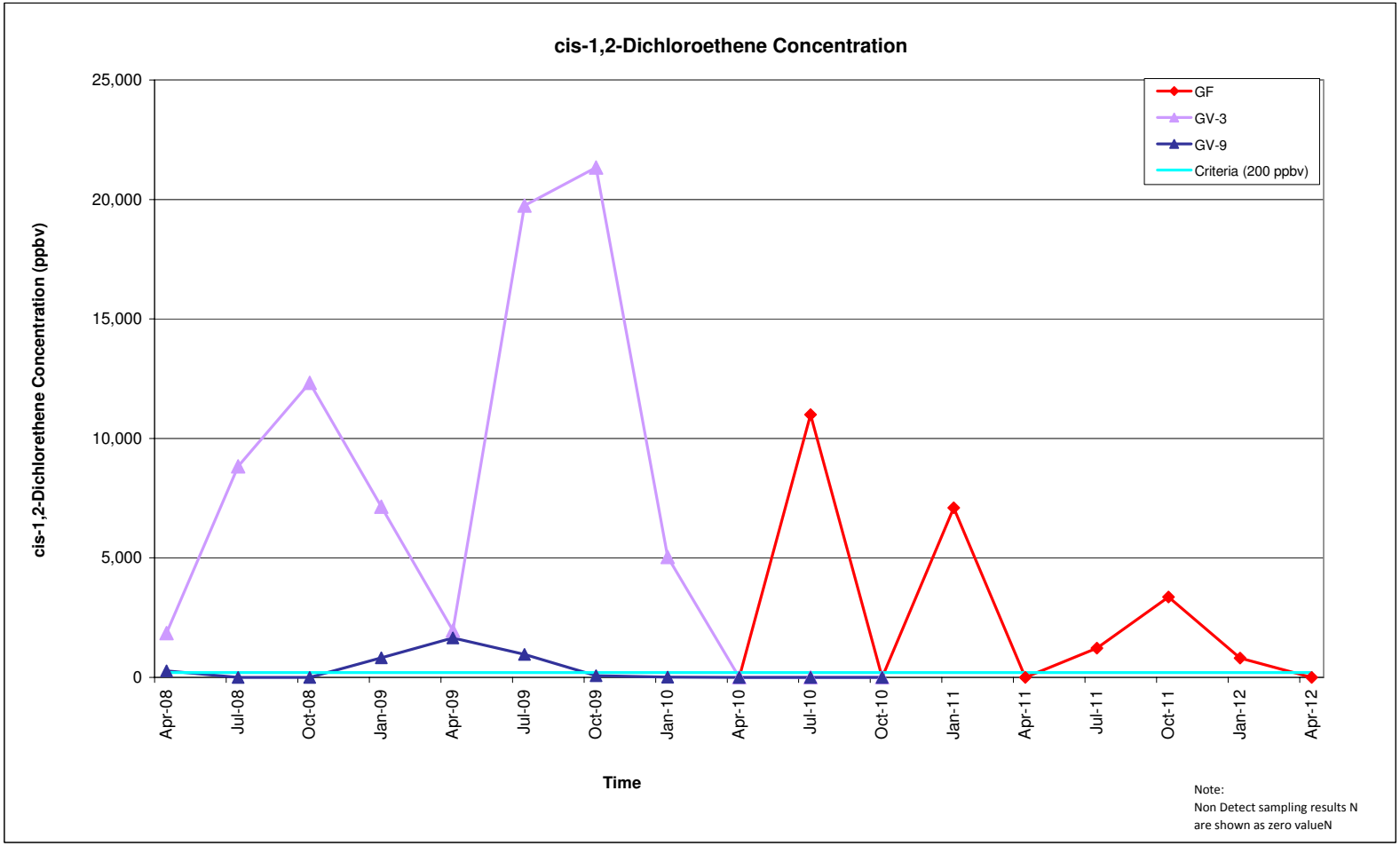

Dissolved Zinc Concentration
Dissloved Zinc Concentration (ug/L)
1400
1200
1000
800
600
400
200
0
SW-01
SW-02
SW-04
SW-06
SW-09
SW-12
SW-13
SW-17
Criteria (24 ug/L)
Apr-03
Oct-03
Apr-04
Oct-04
Apr-05
Oct-05
Apr-06
Oct-06
Apr-07
Oct-07
Apr-08
Oct-08
Apr-09
Oct-09
Apr-10
Oct-10
Apr-11
Time
Note:
Non Detect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

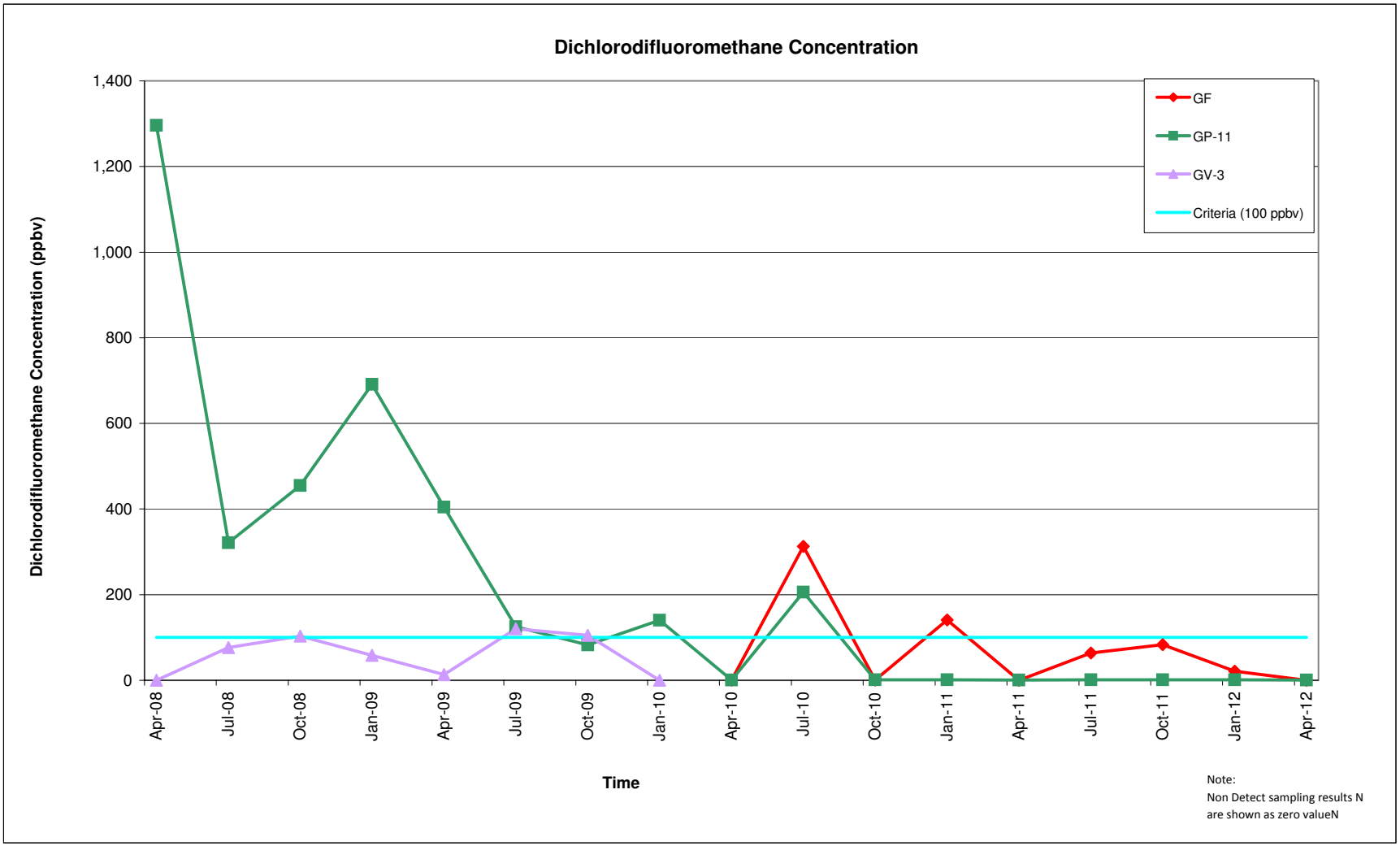

1,1-Dichloroethane Concentration
1,1-Dichloroethane Concentration (ppbv)
350
300
250
200
150
100
50
0
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Time
GF
GP-11
GP-21
GV-3
GV-9
Criteria (0.1 ppbv)
Note:
Non Detect sampling results N
are shown as zero valueN

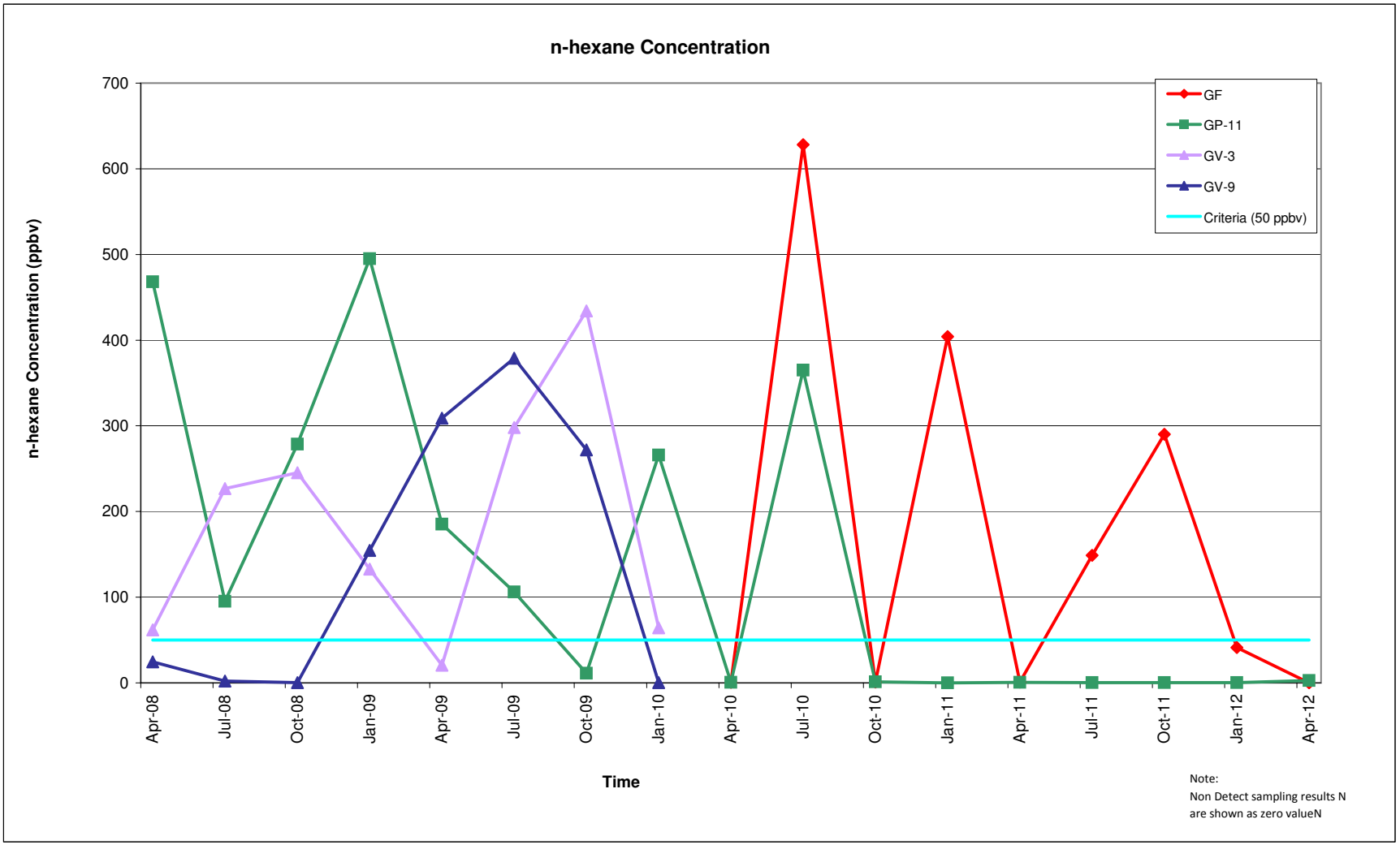

1,1-Dichloroethene Concentration
1,1-Dichlorethene Concentration (ppbv)
140
120
100
80
60
40
20
0
GP-11
GV-3
Criteria (50 ppbv)
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Time
Note:
Non Detect sampling results N
are shown as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

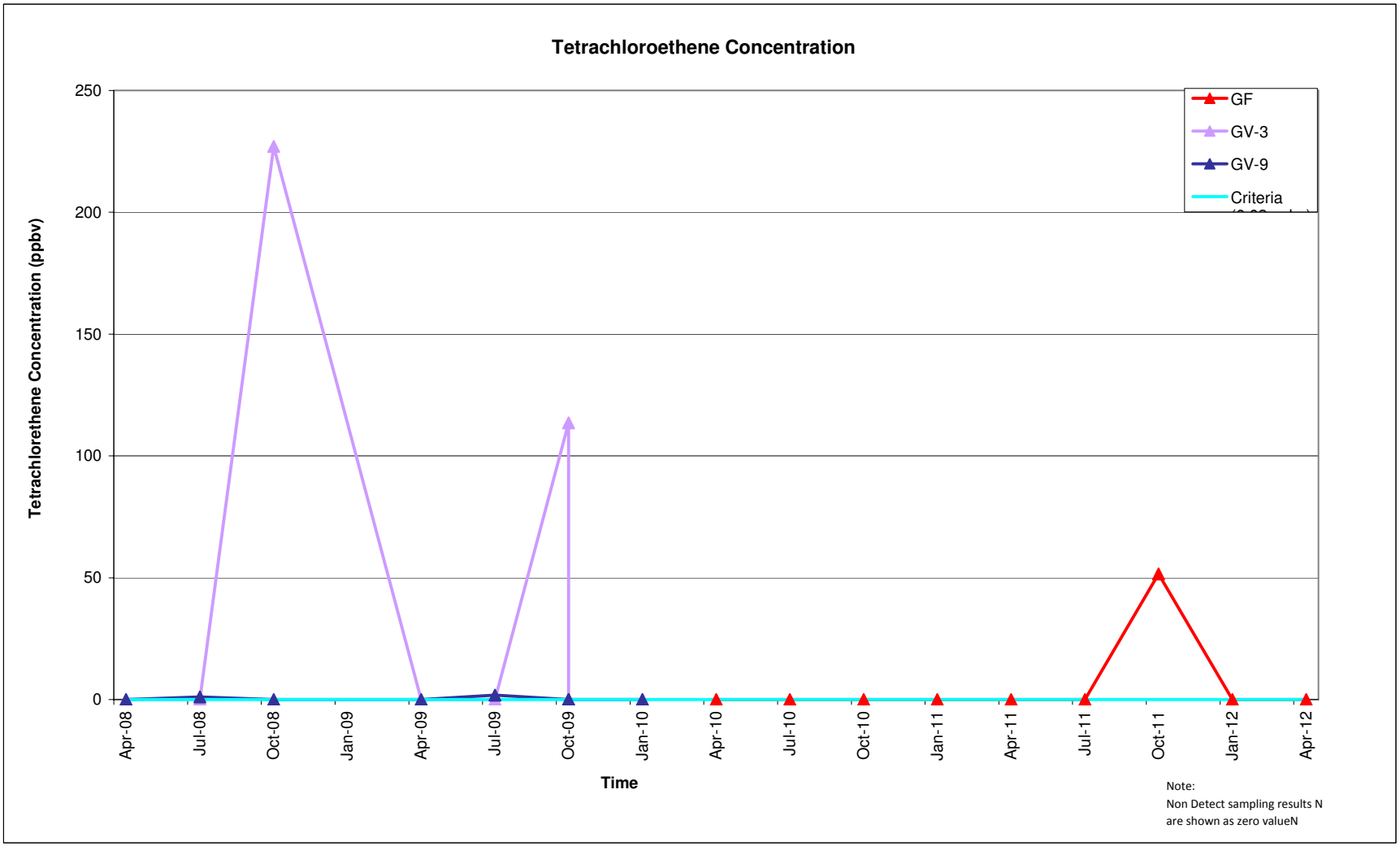

Benzene Concentration
Benzene Concentration (ppbv)
140
120
100
80
60
40
20
0
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Time
GF
GP-11
GV-3
GV-9
Criteria (9 ppbv)
Note:
Non Detect sampling results N
are shown as zero valueN

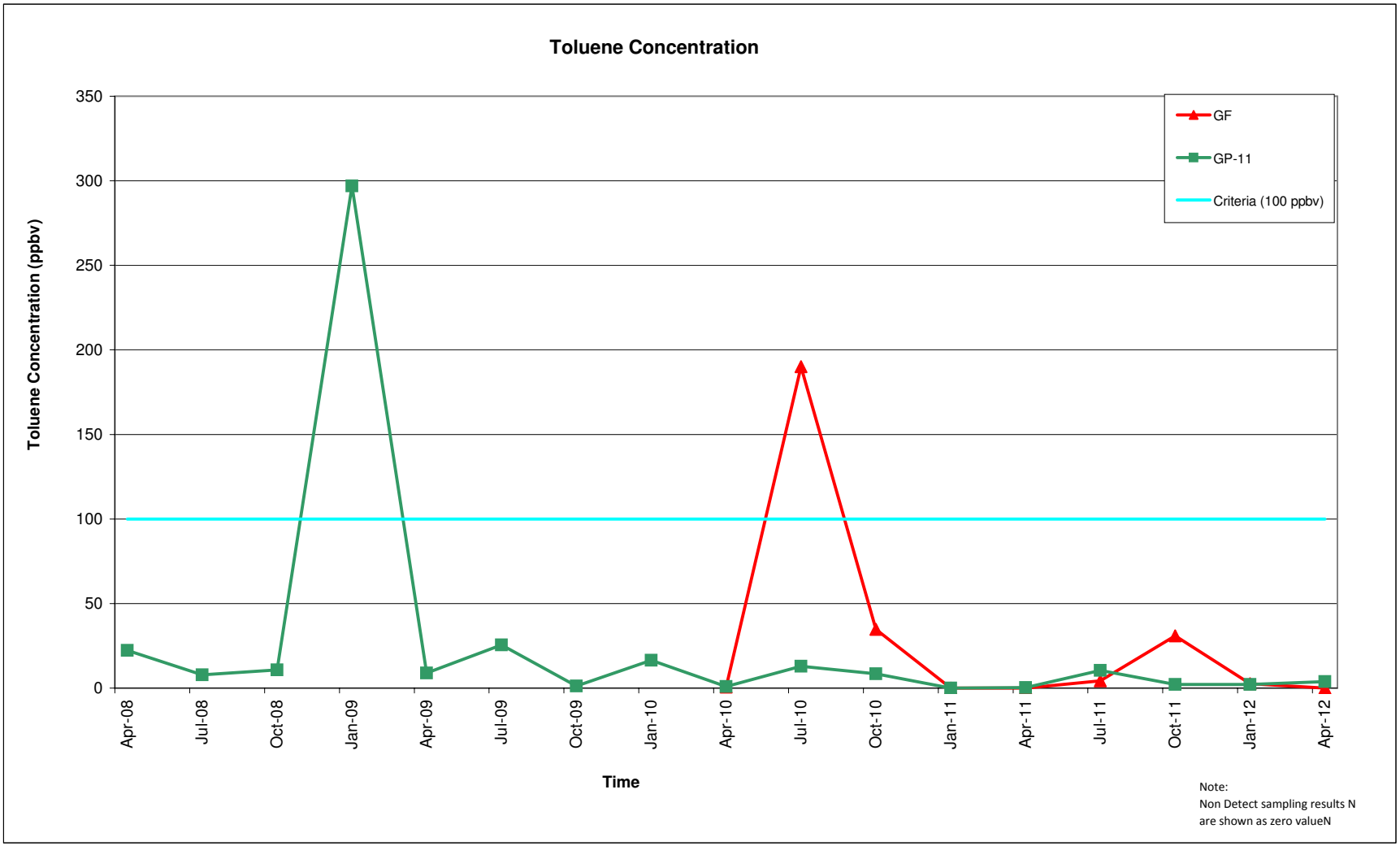

Chloroform Concentration
Chloroform Concentration (ppbv)
16
14
12
10
8
6
4
2
0
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Time
GP-11
GP-16
GP-21
GV-3
GV-9
Criteria (0.04 ppbv)
ote:
Non Detect sampling results N
are shown as zero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

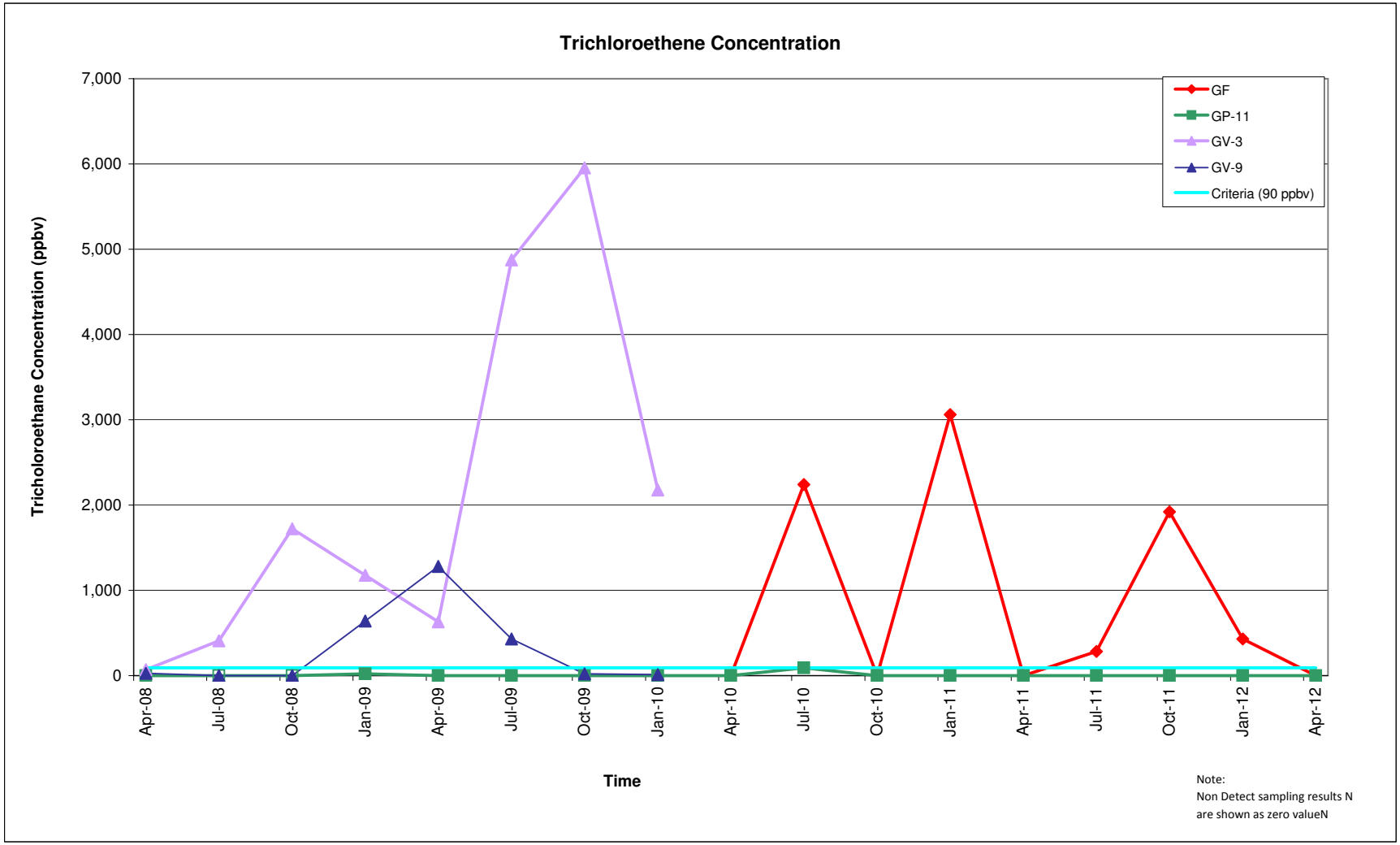

cis-1,2-Dichloroethene Concentration
cis-1,2-Dichlorethene Concentration (ppbv)
25,000
20,000
15,000
10,000
5,000
0
GF
GV-3
GV-9
Criteria (200 ppbv)
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Time
Note:
Non Detect sampling results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

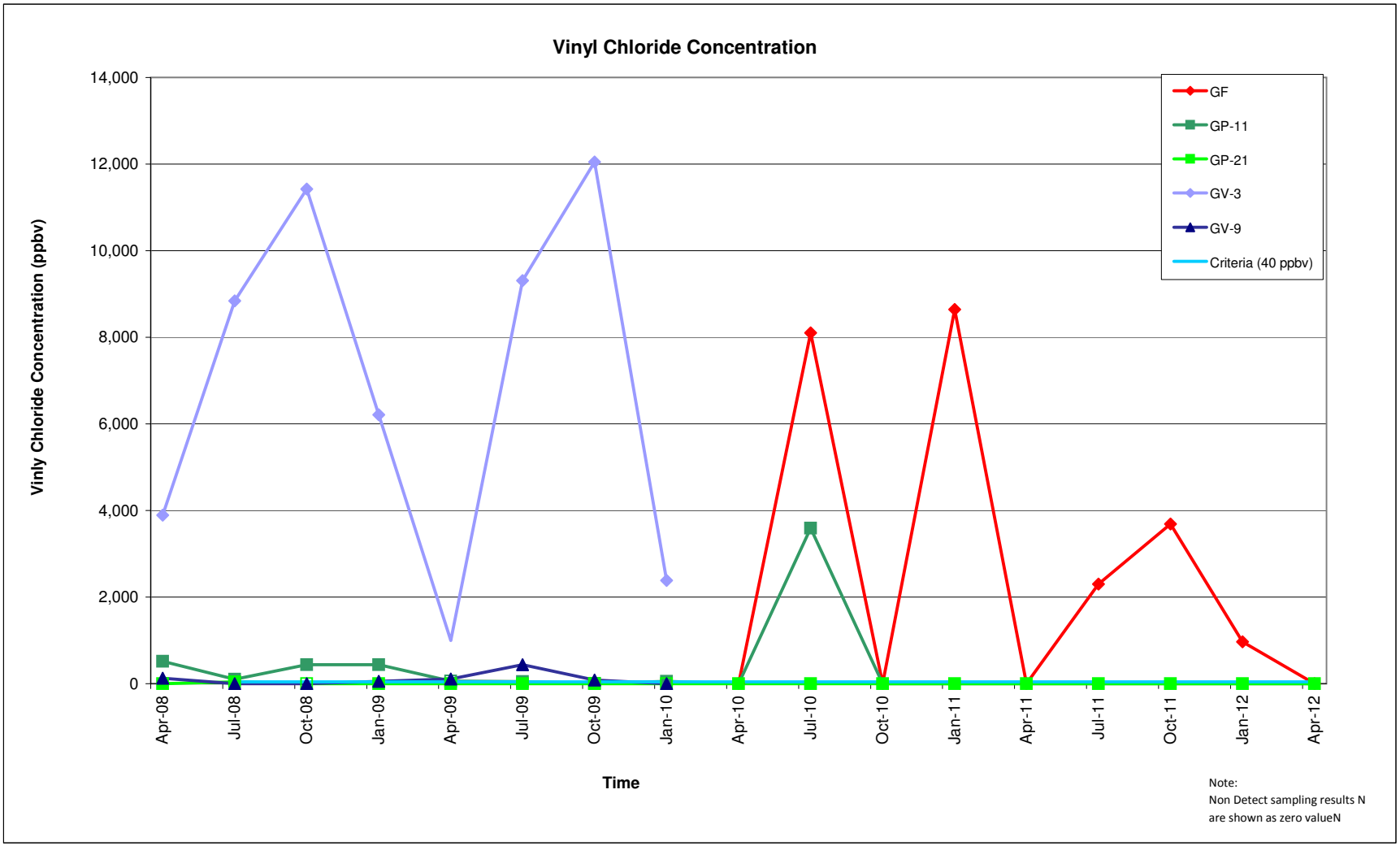

Dichlorodifluoromethane Concentration
Dichlorodifluoromethane Concentration (ppbv)
1,400
1,200
1,000
800
600
400
200
0
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Time
GF
GP-11
GV-3
Criteria (100 ppbv)
Note:
Non Detect sampling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


n-hexane Concentration
n-hexane Concentration (ppbv)
700
600
500
400
300
200
100
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
Time
GF
GP-11
GV-3
GV-9
Criteria (50 ppbv)
Note:
Non Detect sampling results N
are shown as zero valueN


Tetrachloroethene Concentration
Tetrachlorethene Concentration (ppbv)
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
Time
GF
GV-3
GV-9
Criteria
Note:
Non Detect sampling results N
are shown as zero valueN


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
Time
GF
GP-11
Criteria (100 ppbv)
Note:
Non Detect sampling results N
are shown as zero valueN


Trichloroethene Concentration
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
Time
GF
GP-11
GV-3
GV-9
Criteria (90 ppbv)
Note:
Non Detect sampling results N
are shown as zero valueN


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
Time
GF
GP-11
GP-21
GV-3
GV-9
Criteria (40 ppbv)
Note:
Non Detect sampling results N
are shown as zero valueN

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)		
		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	172	0.172
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**	142.6	0.143
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	62.06	0.062
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	15.25	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	15.25	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	117.84	0.118
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	66.1	0.066
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	13.03	0.013
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	876.8	0.877
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**	15.55	0.016
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	13.03	0.013
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**	12540	12.540
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	194.4	0.194
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	124.2	0.124
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	28.21	0.028
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	20.76	0.021
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	82.45	0.082
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	15.25	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	41.7	0.042
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	29.76	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	14.89	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	410.4	0.410
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	264.4	0.264
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**	26.12	0.026
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	86.56	0.087
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	38.02	0.038
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**	3426	3.426
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	13.03	0.013
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**	8952	8.952

Bold Highlighted text indicates value exceeds PAL

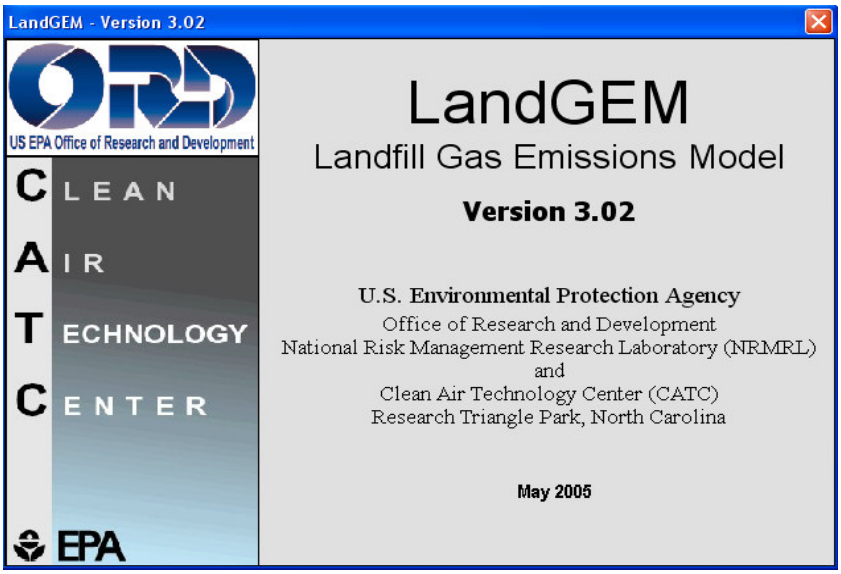
Bold Patterned text indicates Laboratory Detection Limit exceeds PAL

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: Friday, February 03, 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_{CH4} = 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
2014	0	0	210,864	231,950
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

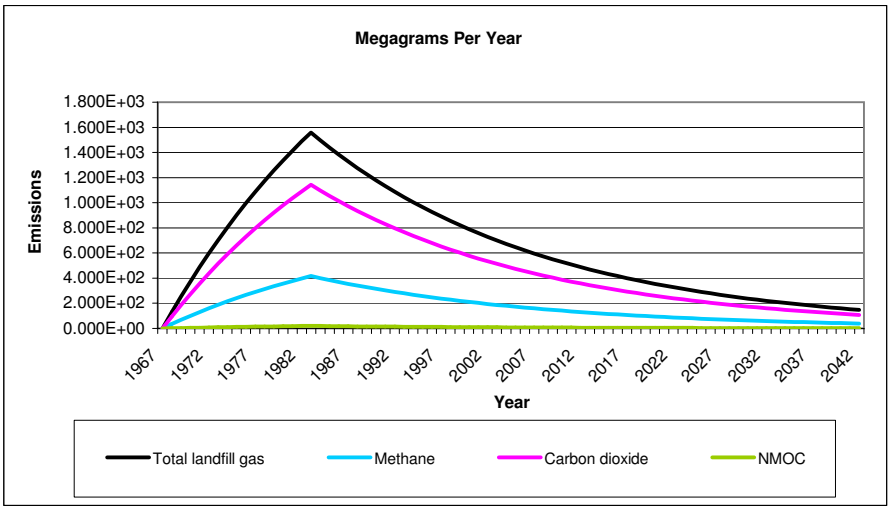
Pollutant Parameters

		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	0.17	133.41
	1,1,2,2-Tetrachloroethane - HAP/VOC	1.1	167.85		
	1,1-Dichloroethane (ethylidene dichloride) - HAP/VOC	2.4	98.97	0.14	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	0.01	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	0.88	64.52
	Chloroform - HAP/VOC	0.03	119.39	0.02	119.39
	Chloromethane - VOC	1.2	50.49	0.01	50.49
	Dichlorobenzene - (HAP for para isomer/VOC)	0.21	147		
	Dichlorodifluoromethane	16	120.91	0.12	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	0.41	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	0.09	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	8.95	62.50
	Xylenes - HAP/VOC	12	106.16	0.03	106.16
	2-Butanone			0.12	72.11
	cyclohexane			0.19	84.16
	Freon-114			0.08	170.92
	Methylene Chloride			0.04	84.93
	Propylene (Propene)Tetrachloroethene			0.26	42.08
	Tetrachlorothene			0.03	165.80
	Trichlorofluoromethane			0.01	137.37
	o-xylene			0.02	106.17
	cis-1,2-Dichloroethene			12.54	96.95
	Freon-113			0.02	187.38

Graphs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1.200E+03
1.000E+03
8.000E+02
6.000E+02
4.000E+02
2.000E+02
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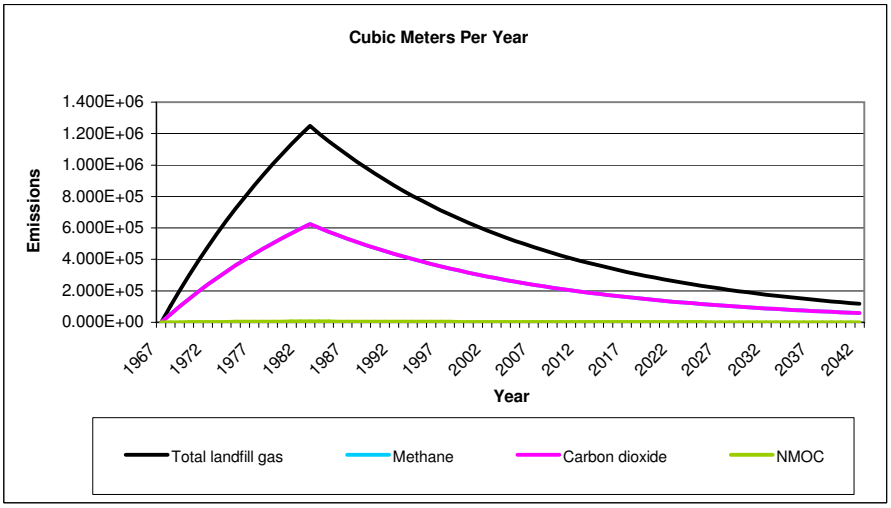
1967 1972 1977 1982 1987 1992 1997 2002 2007 2012 2017 2022 2027 2032 2037 2042
Year
Total landfill gas
Methane
Carbon dioxide
NMOC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8.000E+05
6.000E+05
4.000E+05
2.000E+05
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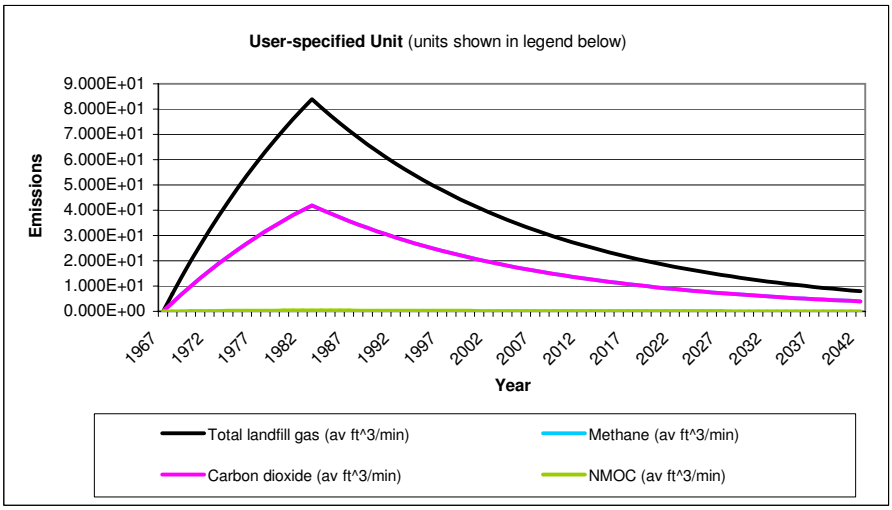
1967 1972 1977 1982 1987 1992 1997 2002 2007 2012 2017 2022 2027 2032 2037 2042
Year
Total landfill gas
Methane
Carbon dioxide
NMOC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Emissions
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3.000E+01
2.000E+01
1.000E+01
0.000E+00
1967 1972 1977 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:	L1104831
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:	04/30/11

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Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

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: L1104831
Report Date: 04/30/11

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1104831-01	MW-11S	SOUTH KINGSTOWN, RI	04/11/11 08:20
L1104831-02	MW-11BR	SOUTH KINGSTOWN, RI	04/11/11 09:09
L1104831-03	MW-6DO	SOUTH KINGSTOWN, RI	04/11/11 10:01
L1104831-04	DUPLICATE (MW-6DO)	SOUTH KINGSTOWN, RI	04/11/11 10:01
L1104831-05	MW-11DO	SOUTH KINGSTOWN, RI	04/11/11 09:26
L1104831-06	MW-5S	SOUTH KINGSTOWN, RI	04/11/11 12:22
L1104831-07	FIELD BLANK	SOUTH KINGSTOWN, RI	04/11/11 12:55
L1104831-08	TRIP BLANK	SOUTH KINGSTOWN, RI	04/11/11 00:00
L1104831-09	RES #11	SOUTH KINGSTOWN, RI	04/11/11 12:57
L1104831-10	DUPLICATE (RES #11)	SOUTH KINGSTOWN, RI	04/11/11 12:57
L1104831-11	RES #10	SOUTH KINGSTOWN, RI	04/11/11 13:18
L1104831-12	RES #7	SOUTH KINGSTOWN, RI	04/11/11 13:32
L1104831-13	SW-12	SOUTH KINGSTOWN, RI	04/11/11 09:10

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

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. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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.

For additional information, please contact Client Services at 800-624-9220.

Sample Receipt

Sample "SW-12" was received without the container for Total Organic Carbon analysis. An aliquot was taken from an unpreserved container and preserved appropriately.

Volatile Organics

The WG463476-1/-2 LCS/LCSD recoveries, associated with L1104831-01 through -12, are below the individual acceptance criteria for Chloromethane (50%/50%), but within the overall method allowances. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for this compound.

The WG463476-1/-2 LCS/LCSD RPD, associated with L1104831-01 through -12, is above the acceptance criteria for Bromomethane (27%); however, the individual LCS/LCSD recoveries are within method limits.

The WG463476-4/-5 MS/MSD recoveries, performed on L1104831-01, are outside the acceptance criteria for

Case Narrative (continued)

trans-1,3-Dichloropropene (72%/70%) and Chloromethane (59%/56%).
The WG463476-4/-5 MS/MSD recoveries, performed on L1104831-01, are below the acceptance criteria for Dichlorodifluoromethane (0%/0%) due to the concentrations of this compound falling below the reported detection limit.

Semivolatile Organics
L1104831-01 through -07, -09 through -12 and the associated WG463126-1/WG465330-1 Method Blanks were evaluated for the presence of N,N-Demethylformamide as a TIC and were determined to be non-detect.
The WG463126-2/-3 LCS/LCSD recoveries, associated with L1104831-01 through -05, were above the acceptance criteria for 2,4-Dinitrotoluene (132%/119%), P-Chloro-M-Cresol (120%/109%) and 4-Nitrophenol (LCS at 85%); however, the associated samples were non-detect for these target compounds. The results of the original analysis are reported.
The WG465330-2/-3 LCS/LCSD recoveries, associated with L1104831-06, -07 and -09 through -12, were above the acceptance criteria for 2,4-Dinitrotoluene (120%/118%) and P-Chloro-M-Cresol (113%/112%); however, the associated samples were non-detect for these target compounds. The results of the original analysis are reported.
The WG463126-4 MS/MSD recoveries, performed on L1104831-01, were above the acceptance criteria for 2,4-Dinitrotoluene (120%/120%) and P-Chloro-M-Cresol (120%/120%).

Semivolatile Organics - SIM
The WG463161-2/-3 LCS/LCSD recoveries, associated with L1104831-01 through -05, were above the acceptance criteria for Pentachlorophenol (121%/118%); however, the associated samples were non-detect for this target compound. The results of the original analysis are reported.
The WG463161-4/-5 MS/MSD recoveries, performed on L1104831-01, were above the acceptance criteria for Pentachlorophenol (140%/130%).
The surrogate recoveries for the WG463161-4/-5 MS/MSD, performed on L1104831-01, are above the acceptance criteria for 2,4,6-Tribromophenol (137%/129%).

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

Case Narrative (continued)

Metals

L1104831-01 has an elevated detection limit for all analytes, except Sodium, due to the dilution required by the high concentrations of target analytes. The requested reporting limits were achieved.

L1104831-07: The Field Blank has a postive result for Zinc, this was confirmed in the screen analysis.

The WG462656-3/-4 MS/MSD recoveries for Iron (10%/0%) and Manganese (MSD at 76%), performed on L1104831-01, do not apply because the sample concentrations are greater than four times the spike amount added.

Sulfide

WG462864: A laboratory Matrix Spike could not be performed due to insufficient sample volume available for analysis.

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: Elizabeth Simmons

Title: Technical Director/Representative

Date: 04/30/11

ORGANICS

VOLATILES

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1104831
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-01
Client ID: MW-11S
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 04/15/11 09:16
Analyst: PD

Date Collected: 04/11/11 08:20
Date Received: 04/11/11
Field Prep: Not Specified

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	3.0		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	1.6		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	1.7		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	9.3		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: L1104831
Project Number: CJI-1747
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-01
Date Collected: 04/11/11 08:20
Client ID: MW-11S
Date Received: 04/11/11
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	3.0		ug/l	2.5	--	1

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

SAMPLE RESULTS

Lab ID:	L1104831-01	Date Collected:	04/11/11 08:20
Client ID:	MW-11S	Date Received:	04/11/11
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	107		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	104		70-130

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1104831
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-02
Client ID: MW-11BR
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 04/15/11 09:51
Analyst: PD

Date Collected: 04/11/11 09:09
Date Received: 04/11/11
Field Prep: Not Specified

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: L1104831
Project Number: CJI-1747
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-02
Client ID: MW-11BR
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/11/11 09:09
Date Received: 04/11/11
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:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

SAMPLE RESULTS

Lab ID:	L1104831-02	Date Collected:	04/11/11 09:09
Client ID:	MW-11BR	Date Received:	04/11/11
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	106		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	104		70-130

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1104831
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-03
Client ID: MW-6DO
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 04/15/11 10:26
Analyst: PD

Date Collected: 04/11/11 10:01
Date Received: 04/11/11
Field Prep: Not Specified

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	1.2		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	0.57		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	0.77		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	4.7		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: L1104831
Project Number: CJI-1747
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-03
Client ID: MW-6DO
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/11/11 10:01
Date Received: 04/11/11
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:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

SAMPLE RESULTS

Lab ID:	L1104831-03	Date Collected:	04/11/11 10:01
Client ID:	MW-6DO	Date Received:	04/11/11
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	107		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	103		70-130

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1104831
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-04
Client ID: DUPLICATE (MW-6DO)
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 04/15/11 11:01
Analyst: PD

Date Collected: 04/11/11 10:01
Date Received: 04/11/11
Field Prep: Not Specified

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	1.2		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	0.58		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	0.77		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	4.8		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: L1104831
Project Number: CJI-1747
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-04
Client ID: DUPLICATE (MW-6DO)
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/11/11 10:01
Date Received: 04/11/11
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:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

SAMPLE RESULTS

Lab ID:	L1104831-04	Date Collected:	04/11/11 10:01
Client ID:	DUPLICATE (MW-6DO)	Date Received:	04/11/11
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	107		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	101		70-130

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1104831
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-05
Client ID: MW-11DO
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 04/15/11 11:35
Analyst: PD

Date Collected: 04/11/11 09:26
Date Received: 04/11/11
Field Prep: Not Specified

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	0.81		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	0.50		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	3.5		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: L1104831
Project Number: CJI-1747
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-05
Client ID: MW-11DO
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/11/11 09:26
Date Received: 04/11/11
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: L1104831
Project Number: CJI-1747
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-05
Date Collected: 04/11/11 09:26
Client ID: MW-11DO
Date Received: 04/11/11
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	107		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	104		70-130

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1104831
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-06
Client ID: MW-5S
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 04/15/11 12:10
Analyst: PD

Date Collected: 04/11/11 12:22
Date Received: 04/11/11
Field Prep: Not Specified

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: L1104831
Project Number: CJI-1747
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-06
Client ID: MW-5S
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/11/11 12:22
Date Received: 04/11/11
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: L1104831
Project Number: CJI-1747
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-06
Date Collected: 04/11/11 12:22
Client ID: MW-5S
Date Received: 04/11/11
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	109		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	102		70-130

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1104831
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-07
Client ID: FIELD BLANK
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 04/15/11 12:45
Analyst: PD

Date Collected: 04/11/11 12:55
Date Received: 04/11/11
Field Prep: Not Specified

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: L1104831
Project Number: CJI-1747
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-07
Client ID: FIELD BLANK
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/11/11 12:55
Date Received: 04/11/11
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: L1104831
Project Number: CJI-1747
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-07
Date Collected: 04/11/11 12:55
Client ID: FIELD BLANK
Date Received: 04/11/11
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	109		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	104		70-130

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1104831
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-08
Client ID: TRIP BLANK
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 04/15/11 13:20
Analyst: PD

Date Collected: 04/11/11 00:00
Date Received: 04/11/11
Field Prep: Not Specified

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: L1104831
Project Number: CJI-1747
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-08
Date Collected: 04/11/11 00:00
Client ID: TRIP BLANK
Date Received: 04/11/11
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: L1104831
Project Number: CJI-1747
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-08
Date Collected: 04/11/11 00:00
Client ID: TRIP BLANK
Date Received: 04/11/11
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	108		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	102		70-130

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1104831
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-09
Client ID: RES #11
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 04/15/11 13:54
Analyst: PD

Date Collected: 04/11/11 12:57
Date Received: 04/11/11
Field Prep: Not Specified

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: L1104831
Project Number: CJI-1747
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-09
Date Collected: 04/11/11 12:57
Client ID: RES #11
Date Received: 04/11/11
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:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

SAMPLE RESULTS

Lab ID:	L1104831-09	Date Collected:	04/11/11 12:57
Client ID:	RES #11	Date Received:	04/11/11
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	107		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	102		70-130

Project Name: ROSE HILL LANDFILL
Lab Number: L1104831
Project Number: CJI-1747
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-10
Client ID: DUPLICATE (RES #11)
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 04/15/11 14:29
Analyst: PD

Date Collected: 04/11/11 12:57
Date Received: 04/11/11
Field Prep: Not Specified

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: L1104831
Project Number: CJI-1747
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-10
Client ID: DUPLICATE (RES #11)
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/11/11 12:57
Date Received: 04/11/11
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:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

SAMPLE RESULTS

Lab ID:	L1104831-10	Date Collected:	04/11/11 12:57
Client ID:	DUPLICATE (RES #11)	Date Received:	04/11/11
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	108		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	103		70-130

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1104831
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-11
Client ID: RES #10
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 04/15/11 15:04
Analyst: PD

Date Collected: 04/11/11 13:18
Date Received: 04/11/11
Field Prep: Not Specified

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: L1104831
Project Number: CJI-1747
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-11
Client ID: RES #10
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/11/11 13:18
Date Received: 04/11/11
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: L1104831
Project Number: CJI-1747
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-11
Date Collected: 04/11/11 13:18
Client ID: RES #10
Date Received: 04/11/11
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	108		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	102		70-130

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1104831
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-12
Client ID: RES #7
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 04/15/11 15:38
Analyst: PD

Date Collected: 04/11/11 13:32
Date Received: 04/11/11
Field Prep: Not Specified

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: L1104831
Project Number: CJI-1747
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-12
Client ID: RES #7
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/11/11 13:32
Date Received: 04/11/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	1.8		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: L1104831
Project Number: CJI-1747
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-12
Date Collected: 04/11/11 13:32
Client ID: RES #7
Date Received: 04/11/11
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	108		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	100		70-130

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

Lab Number: L1104831
Report Date: 04/30/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 04/15/11 08:42
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-12 Batch: WG463476-3					
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
Project Number: CJI-1747

Lab Number: L1104831
Report Date: 04/30/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 04/15/11 08:42
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-12 Batch: WG463476-3					
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
Project Number: CJI-1747

Lab Number: L1104831
Report Date: 04/30/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 04/15/11 08:42
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-12 Batch: WG463476-3					
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	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1104831

Report Date: 04/30/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 Batch: WG463476-1 WG463476-2								
Methylene chloride	95		88		74-121	8		20
1,1-Dichloroethane	100		91		73-119	9		20
Chloroform	104		96		75-125	8		20
Carbon tetrachloride	113		104		63-132	8		20
1,2-Dichloropropane	100		92		70-120	8		20
Dibromochloromethane	103		100		63-119	3		20
1,1,2-Trichloroethane	92		94		70-125	2		20
Tetrachloroethene	113		104		70-130	8		20
Chlorobenzene	100		94		75-130	6		25
Trichlorofluoromethane	125		114		62-150	9		20
1,2-Dichloroethane	102		98		71-125	4		20
1,1,1-Trichloroethane	99		92		67-123	7		20
Bromodichloromethane	101		95		67-121	6		20
trans-1,3-Dichloropropene	83		80		75-125	4		20
cis-1,3-Dichloropropene	87		82		75-125	6		20
1,1-Dichloropropene	99		92		72-118	7		20
Bromoform	106		105		54-136	1		20
1,1,2,2-Tetrachloroethane	83		84		67-124	1		20
Benzene	102		93		76-127	9		25
Toluene	96		89		76-125	8		25
Ethylbenzene	106		99		79-118	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1104831

Report Date: 04/30/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 Batch: WG463476-1 WG463476-2								
Chloromethane	50	Q	50	Q	64-130	0		20
Bromomethane	42		55		39-139	27	Q	20
Vinyl chloride	106		102		55-140	4		20
Chloroethane	112		100		55-138	11		20
1,1-Dichloroethene	94		86		61-145	9		25
trans-1,2-Dichloroethene	98		88		75-125	11		20
Trichloroethene	105		96		71-120	9		25
1,2-Dichlorobenzene	103		97		75-125	6		20
1,3-Dichlorobenzene	105		96		75-125	9		20
1,4-Dichlorobenzene	107		99		75-125	8		20
Methyl tert butyl ether	76		80		63-112	5		20
p/m-Xylene	111		103		75-125	7		20
o-Xylene	110		104		75-125	6		20
cis-1,2-Dichloroethene	104		96		75-125	8		20
Dibromomethane	105		101		76-126	4		20
1,2,3-Trichloropropane	80		81		64-127	1		20
Styrene	113		107		70-122	5		20
Dichlorodifluoromethane	50		44		36-147	13		20
Acetone	91		94		58-148	3		20
Carbon disulfide	89		78		51-121	13		20
2-Butanone	85		85		63-138	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1104831

Report Date: 04/30/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 Batch: WG463476-1 WG463476-2								
4-Methyl-2-pentanone	79		85		59-126	7		20
2-Hexanone	86		92		57-128	7		20
Bromochloromethane	112		106		74-123	6		20
Tetrahydrofuran	90		93		58-123	3		20
2,2-Dichloropropane	105		99		63-133	6		20
1,2-Dibromoethane	86		87		70-119	1		20
1,3-Dichloropropane	91		90		71-122	1		20
1,1,1,2-Tetrachloroethane	108		102		64-125	6		20
Bromobenzene	101		96		75-125	5		20
n-Butylbenzene	108		96		53-136	12		20
sec-Butylbenzene	100		90		70-124	11		20
tert-Butylbenzene	101		91		70-122	10		20
o-Chlorotoluene	97		89		75-125	9		20
p-Chlorotoluene	96		88		75-125	9		20
1,2-Dibromo-3-chloropropane	108		102		41-144	6		20
Hexachlorobutadiene	117		105		63-123	11		20
Isopropylbenzene	98		90		73-122	9		20
p-Isopropyltoluene	110		99		73-127	11		20
Naphthalene	101		107		75-125	6		20
n-Propylbenzene	98		89		69-127	10		20
1,2,3-Trichlorobenzene	120		121		75-125	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1104831

Report Date: 04/30/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 Batch: WG463476-1 WG463476-2								
1,2,4-Trichlorobenzene	123		116		75-125	6		20
1,3,5-Trimethylbenzene	105		94		64-121	11		20
1,2,4-Trimethylbenzene	107		96		75-121	11		20
Ethyl ether	82		79		59-134	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		106		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	85		85		70-130
Dibromofluoromethane	108		106		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1104831

Report Date: 04/30/11

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): 01-12 QC Batch ID: WG463476-4 WG463476-5 QC Sample: L1104831-01 Client ID: MW-11S												
Methylene chloride	ND	10	9.5	95		9.1	91		74-121	4		20
1,1-Dichloroethane	3.0	10	13	98		12	92		73-119	8		20
Chloroform	ND	10	10	102		9.7	97		75-125	3		20
Carbon tetrachloride	ND	10	10	100		9.5	95		63-132	5		20
1,2-Dichloropropane	ND	10	9.8	98		9.4	94		70-1320	4		20
Dibromochloromethane	ND	10	9.6	96		9.3	93		63-119	3		20
1,1,2-Trichloroethane	ND	10	9.3	94		8.9	89		70-125	4		20
Tetrachloroethene	ND	10	10	101		9.5	95		70-130	5		20
Chlorobenzene	1.6	10	11	90		9.9	83		75-130	11		25
Trichlorofluoromethane	ND	10	12	115		11	108		61-150	9		20
1,2-Dichloroethane	ND	10	10	104		10	102		71-125	0		20
1,1,1-Trichloroethane	ND	10	9.3	93		8.9	89		67-123	4		20
Bromodichloromethane	ND	10	9.5	95		9.2	92		67-121	3		20
trans-1,3-Dichloropropene	ND	10	7.2	72	Q	7.0	70	Q	75-125	3		20
cis-1,3-Dichloropropene	ND	10	7.8	78		7.5	75		75-125	4		20
1,1-Dichloropropene	ND	10	9.1	92		8.7	87		72-118	4		20
Bromoform	ND	10	9.6	96		9.5	95		54-136	1		20
1,1,2,2-Tetrachloroethane	ND	10	8.5	85		8.5	85		67-124	0		20
Benzene	1.7	10	11	95		10	89		76-127	10		25
Toluene	ND	10	8.9	89		8.4	84		76-125	6		25
Ethylbenzene	ND	10	9.5	95		8.9	89		79-118	7		20

Matrix Spike Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1104831

Report Date: 04/30/11

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): 01-12 QC Batch ID: WG463476-4 WG463476-5 QC Sample: L1104831-01 Client ID: MW-11S												
Chloromethane	ND	10	5.9	59	Q	5.6	56	Q	64-130	5		20
Bromomethane	ND	10	6.8	68		7.0	70		39-139	3		20
Vinyl chloride	ND	10	12	120		11	111		55-140	9		20
Chloroethane	9.3	10	20	102		18	89		55-138	11		20
1,1-Dichloroethene	ND	10	9.0	90		8.4	84		61-145	7		25
trans-1,2-Dichloroethene	ND	10	9.2	92		8.9	89		75-125	3		20
Trichloroethene	ND	10	9.7	97		9.2	92		71-120	5		25
1,2-Dichlorobenzene	ND	10	9.7	97		9.2	92		75-125	5		20
1,3-Dichlorobenzene	ND	10	9.3	93		8.7	87		75-125	7		20
1,4-Dichlorobenzene	ND	10	10	102		9.6	96		75-125	4		20
Methyl tert butyl ether	ND	10	8.2	82		8.2	82		63-112	0		20
p/m-Xylene	ND	20	20	99		18	93		75-125	11		20
o-Xylene	ND	20	20	98		18	92		75-125	11		20
cis-1,2-Dichloroethene	ND	10	10	100		9.6	96		75-125	4		20
Dibromomethane	ND	10	10	102		10	101		76-126	0		20
1,2,3-Trichloropropane	ND	10	8.3	83		8.1	81		64-127	2		20
Styrene	ND	20	20	99		19	93		70-122	5		20
Dichlorodifluoromethane	ND	10	ND	0		ND	0		36-147	NC		20
Acetone	ND	10	9.5	95		9.5	95		58-148	0		20
Carbon disulfide	ND	10	8.0	80		7.4	74		51-121	8		20
2-Butanone	ND	10	9.4	94		9.6	96		63-138	2		20

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1104831
Report Date: 04/30/11

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): 01-12 QC Batch ID: WG463476-4 WG463476-5 QC Sample: L1104831-01 Client ID: MW-11S												
4-Methyl-2-pentanone	ND	10	8.5	85		8.6	86		59-126	1		20
2-Hexanone	ND	10	8.8	89		9.1	91		57-128	3		20
Bromochloromethane	ND	10	11	108		10	104		74-123	10		20
Tetrahydrofuran	ND	10	12	122		12	123		58-123	0		20
2,2-Dichloropropane	ND	10	8.2	82		7.7	77		63-133	6		20
1,2-Dibromoethane	ND	10	8.7	87		8.5	85		70-119	2		20
1,3-Dichloropropane	ND	10	9.2	92		8.9	89		71-122	3		20
1,1,1,2-Tetrachloroethane	ND	10	9.7	97		9.2	92		64-125	5		20
Bromobenzene	ND	10	9.3	93		8.7	87		75-125	7		20
n-Butylbenzene	ND	10	9.0	90		8.3	83		53-136	8		20
sec-Butylbenzene	ND	10	8.6	86		7.9	80		70-124	8		20
tert-Butylbenzene	ND	10	8.8	88		8.2	82		70-122	7		20
o-Chlorotoluene	ND	10	8.6	86		8.0	80		75-125	7		20
p-Chlorotoluene	ND	10	8.5	85		7.9	79		75-125	7		20
1,2-Dibromo-3-chloropropane	ND	10	8.8	88		7.8	78		41-144	12		20
Hexachlorobutadiene	ND	10	9.6	96		9.0	90		63-123	6		20
Isopropylbenzene	ND	10	9.0	90		8.4	84		73-122	7		20
p-Isopropyltoluene	ND	10	9.4	94		8.7	87		73-127	8		20
Naphthalene	ND	10	11	109		10	104		75-125	10		20
n-Propylbenzene	ND	10	8.6	86		8.1	81		69-127	6		20
1,2,3-Trichlorobenzene	ND	10	12	120		11	114		75-125	9		20

Matrix Spike Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1104831

Report Date: 04/30/11

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): 01-12 QC Batch ID: WG463476-4 WG463476-5 QC Sample: L1104831-01 Client ID: MW-11S												
1,2,4-Trichlorobenzene	ND	10	11	113		11	106		75-125	0		20
1,3,5-Trimethylbenzene	ND	10	9.1	91		8.5	85		64-121	7		20
1,2,4-Trimethylbenzene	ND	10	9.3	94		8.6	86		75-121	8		20
Ethyl ether	3.0	10	11	85		11	85		59-134	0		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		106		70-130
4-Bromofluorobenzene	86		86		70-130
Dibromofluoromethane	106		110		70-130
Toluene-d8	99		99		70-130

SEMIVOLATILES

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

SAMPLE RESULTS

Lab ID:	L1104831-01	Date Collected:	04/11/11 08:20
Client ID:	MW-11S	Date Received:	04/11/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/15/11 06:30
Analytical Date:	04/28/11 01:53		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	5.0	--	1
Benzidine	ND		ug/l	50	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	5.0	--	1
2-Chloronaphthalene	ND		ug/l	6.0	--	1
1,2-Dichlorobenzene	ND		ug/l	5.0	--	1
1,3-Dichlorobenzene	ND		ug/l	5.0	--	1
1,4-Dichlorobenzene	ND		ug/l	5.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	50	--	1
2,4-Dinitrotoluene	ND		ug/l	6.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	5.0	--	1
Fluoranthene	ND		ug/l	5.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	5.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	5.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	5.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	30	--	1
Hexachloroethane	ND		ug/l	5.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	5.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	6.4		ug/l	5.0	--	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	5.0	--	1

Project Name: ROSE HILL LANDFILL
Lab Number: L1104831
Project Number: CJI-1747
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-01
Client ID: MW-11S
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/11/11 08:20
Date Received: 04/11/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	5.0	--	1
Anthracene	ND		ug/l	5.0	--	1
Benzo(ghi)perylene	ND		ug/l	5.0	--	1
Fluorene	ND		ug/l	5.0	--	1
Phenanthrene	ND		ug/l	5.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	5.0	--	1
Pyrene	ND		ug/l	5.0	--	1
Aniline	ND		ug/l	20	--	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	7.0	--	1
Dibenzofuran	ND		ug/l	5.0	--	1
2-Methylnaphthalene	ND		ug/l	5.0	--	1
n-Nitrosodimethylamine	ND		ug/l	50	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	5.0	--	1
2-Chlorophenol	ND		ug/l	6.0	--	1
2,4-Dichlorophenol	ND		ug/l	10	--	1
2,4-Dimethylphenol	ND		ug/l	10	--	1
2-Nitrophenol	ND		ug/l	20	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	30	--	1
4,6-Dinitro-o-cresol	ND		ug/l	20	--	1
Phenol	ND		ug/l	7.0	--	1
2-Methylphenol	ND		ug/l	6.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	6.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	10	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		21-120
Phenol-d6	61		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	105		15-120
2,4,6-Tribromophenol	120		10-120
4-Terphenyl-d14	132		41-149

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

SAMPLE RESULTS

Lab ID:	L1104831-01	Date Collected:	04/11/11 08:20
Client ID:	MW-11S	Date Received:	04/11/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/15/11 09:05
Analytical Date:	04/21/11 01:11		
Analyst:	HL		

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	73		21-120
Phenol-d6	51		10-120
Nitrobenzene-d5	94		23-120
2-Fluorobiphenyl	89		15-120
2,4,6-Tribromophenol	115		10-120
4-Terphenyl-d14	94		41-149

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1104831
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-02
Client ID: MW-11BR
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water
Analytical Method: 1,8270C
Analytical Date: 04/28/11 02:17
Analyst: JB

Date Collected: 04/11/11 09:09
Date Received: 04/11/11
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/15/11 06:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	5.0	--	1
Benzidine	ND		ug/l	50	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	5.0	--	1
2-Chloronaphthalene	ND		ug/l	6.0	--	1
1,2-Dichlorobenzene	ND		ug/l	5.0	--	1
1,3-Dichlorobenzene	ND		ug/l	5.0	--	1
1,4-Dichlorobenzene	ND		ug/l	5.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	50	--	1
2,4-Dinitrotoluene	ND		ug/l	6.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	5.0	--	1
Fluoranthene	ND		ug/l	5.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	5.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	5.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	5.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	30	--	1
Hexachloroethane	ND		ug/l	5.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	5.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	5.0	--	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	5.0	--	1

Project Name: ROSE HILL LANDFILL
Lab Number: L1104831
Project Number: CJI-1747
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-02
Client ID: MW-11BR
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/11/11 09:09
Date Received: 04/11/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	5.0	--	1
Anthracene	ND		ug/l	5.0	--	1
Benzo(ghi)perylene	ND		ug/l	5.0	--	1
Fluorene	ND		ug/l	5.0	--	1
Phenanthrene	ND		ug/l	5.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	5.0	--	1
Pyrene	ND		ug/l	5.0	--	1
Aniline	ND		ug/l	20	--	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	7.0	--	1
Dibenzofuran	ND		ug/l	5.0	--	1
2-Methylnaphthalene	ND		ug/l	5.0	--	1
n-Nitrosodimethylamine	ND		ug/l	50	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	5.0	--	1
2-Chlorophenol	ND		ug/l	6.0	--	1
2,4-Dichlorophenol	ND		ug/l	10	--	1
2,4-Dimethylphenol	ND		ug/l	10	--	1
2-Nitrophenol	ND		ug/l	20	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	30	--	1
4,6-Dinitro-o-cresol	ND		ug/l	20	--	1
Phenol	ND		ug/l	7.0	--	1
2-Methylphenol	ND		ug/l	6.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	6.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	10	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	95		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	121		41-149

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

SAMPLE RESULTS

Lab ID:	L1104831-02	Date Collected:	04/11/11 09:09
Client ID:	MW-11BR	Date Received:	04/11/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/15/11 09:05
Analytical Date:	04/21/11 01:43		
Analyst:	HL		

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	57		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	99		10-120
4-Terphenyl-d14	98		41-149

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

SAMPLE RESULTS

Lab ID:	L1104831-03	Date Collected:	04/11/11 10:01
Client ID:	MW-6DO	Date Received:	04/11/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/15/11 06:30
Analytical Date:	04/28/11 02:40		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	5.0	--	1
Benzidine	ND		ug/l	50	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	5.0	--	1
2-Chloronaphthalene	ND		ug/l	6.0	--	1
1,2-Dichlorobenzene	ND		ug/l	5.0	--	1
1,3-Dichlorobenzene	ND		ug/l	5.0	--	1
1,4-Dichlorobenzene	ND		ug/l	5.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	50	--	1
2,4-Dinitrotoluene	ND		ug/l	6.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	5.0	--	1
Fluoranthene	ND		ug/l	5.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	5.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	5.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	5.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	30	--	1
Hexachloroethane	ND		ug/l	5.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	5.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	5.0	--	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	5.0	--	1

Project Name: ROSE HILL LANDFILL
Lab Number: L1104831
Project Number: CJI-1747
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-03
Client ID: MW-6DO
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/11/11 10:01
Date Received: 04/11/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	5.0	--	1
Anthracene	ND		ug/l	5.0	--	1
Benzo(ghi)perylene	ND		ug/l	5.0	--	1
Fluorene	ND		ug/l	5.0	--	1
Phenanthrene	ND		ug/l	5.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	5.0	--	1
Pyrene	ND		ug/l	5.0	--	1
Aniline	ND		ug/l	20	--	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	7.0	--	1
Dibenzofuran	ND		ug/l	5.0	--	1
2-Methylnaphthalene	ND		ug/l	5.0	--	1
n-Nitrosodimethylamine	ND		ug/l	50	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	5.0	--	1
2-Chlorophenol	ND		ug/l	6.0	--	1
2,4-Dichlorophenol	ND		ug/l	10	--	1
2,4-Dimethylphenol	ND		ug/l	10	--	1
2-Nitrophenol	ND		ug/l	20	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	30	--	1
4,6-Dinitro-o-cresol	ND		ug/l	20	--	1
Phenol	ND		ug/l	7.0	--	1
2-Methylphenol	ND		ug/l	6.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	6.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	10	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	96		15-120
2,4,6-Tribromophenol	104		10-120
4-Terphenyl-d14	124		41-149

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

SAMPLE RESULTS

Lab ID:	L1104831-03	Date Collected:	04/11/11 10:01
Client ID:	MW-6DO	Date Received:	04/11/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/15/11 09:05
Analytical Date:	04/20/11 20:08		
Analyst:	HL		

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	60		21-120
Phenol-d6	41		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	108		10-120
4-Terphenyl-d14	98		41-149

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

SAMPLE RESULTS

Lab ID:	L1104831-04	Date Collected:	04/11/11 10:01
Client ID:	DUPLICATE (MW-6DO)	Date Received:	04/11/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/15/11 06:30
Analytical Date:	04/28/11 03:04		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	5.0	--	1
Benzidine	ND		ug/l	50	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	5.0	--	1
2-Chloronaphthalene	ND		ug/l	6.0	--	1
1,2-Dichlorobenzene	ND		ug/l	5.0	--	1
1,3-Dichlorobenzene	ND		ug/l	5.0	--	1
1,4-Dichlorobenzene	ND		ug/l	5.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	50	--	1
2,4-Dinitrotoluene	ND		ug/l	6.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	5.0	--	1
Fluoranthene	ND		ug/l	5.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	5.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	5.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	5.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	30	--	1
Hexachloroethane	ND		ug/l	5.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	5.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	5.0	--	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	5.0	--	1

Project Name: ROSE HILL LANDFILL
Lab Number: L1104831
Project Number: CJI-1747
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-04
Client ID: DUPLICATE (MW-6DO)
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/11/11 10:01
Date Received: 04/11/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	5.0	--	1
Anthracene	ND		ug/l	5.0	--	1
Benzo(ghi)perylene	ND		ug/l	5.0	--	1
Fluorene	ND		ug/l	5.0	--	1
Phenanthrene	ND		ug/l	5.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	5.0	--	1
Pyrene	ND		ug/l	5.0	--	1
Aniline	ND		ug/l	20	--	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	7.0	--	1
Dibenzofuran	ND		ug/l	5.0	--	1
2-Methylnaphthalene	ND		ug/l	5.0	--	1
n-Nitrosodimethylamine	ND		ug/l	50	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	5.0	--	1
2-Chlorophenol	ND		ug/l	6.0	--	1
2,4-Dichlorophenol	ND		ug/l	10	--	1
2,4-Dimethylphenol	ND		ug/l	10	--	1
2-Nitrophenol	ND		ug/l	20	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	30	--	1
4,6-Dinitro-o-cresol	ND		ug/l	20	--	1
Phenol	ND		ug/l	7.0	--	1
2-Methylphenol	ND		ug/l	6.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	6.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	10	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		21-120
Phenol-d6	41		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	93		10-120
4-Terphenyl-d14	105		41-149

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

SAMPLE RESULTS

Lab ID:	L1104831-04	Date Collected:	04/11/11 10:01
Client ID:	DUPLICATE (MW-6DO)	Date Received:	04/11/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/15/11 09:05
Analytical Date:	04/21/11 15:37		
Analyst:	HL		

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	54		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	104		10-120
4-Terphenyl-d14	103		41-149

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

SAMPLE RESULTS

Lab ID:	L1104831-05	Date Collected:	04/11/11 09:26
Client ID:	MW-11DO	Date Received:	04/11/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/15/11 06:30
Analytical Date:	04/28/11 03:28		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	5.0	--	1
Benzidine	ND		ug/l	50	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	5.0	--	1
2-Chloronaphthalene	ND		ug/l	6.0	--	1
1,2-Dichlorobenzene	ND		ug/l	5.0	--	1
1,3-Dichlorobenzene	ND		ug/l	5.0	--	1
1,4-Dichlorobenzene	ND		ug/l	5.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	50	--	1
2,4-Dinitrotoluene	ND		ug/l	6.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	5.0	--	1
Fluoranthene	ND		ug/l	5.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	5.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	5.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	5.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	30	--	1
Hexachloroethane	ND		ug/l	5.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	5.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	5.0	--	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	5.0	--	1

Project Name: ROSE HILL LANDFILL
Lab Number: L1104831
Project Number: CJI-1747
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-05
Client ID: MW-11DO
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/11/11 09:26
Date Received: 04/11/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	5.0	--	1
Anthracene	ND		ug/l	5.0	--	1
Benzo(ghi)perylene	ND		ug/l	5.0	--	1
Fluorene	ND		ug/l	5.0	--	1
Phenanthrene	ND		ug/l	5.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	5.0	--	1
Pyrene	ND		ug/l	5.0	--	1
Aniline	ND		ug/l	20	--	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	7.0	--	1
Dibenzofuran	ND		ug/l	5.0	--	1
2-Methylnaphthalene	ND		ug/l	5.0	--	1
n-Nitrosodimethylamine	ND		ug/l	50	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	5.0	--	1
2-Chlorophenol	ND		ug/l	6.0	--	1
2,4-Dichlorophenol	ND		ug/l	10	--	1
2,4-Dimethylphenol	ND		ug/l	10	--	1
2-Nitrophenol	ND		ug/l	20	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	30	--	1
4,6-Dinitro-o-cresol	ND		ug/l	20	--	1
Phenol	ND		ug/l	7.0	--	1
2-Methylphenol	ND		ug/l	6.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	6.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	10	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		21-120
Phenol-d6	41		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	90		15-120
2,4,6-Tribromophenol	102		10-120
4-Terphenyl-d14	116		41-149

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

SAMPLE RESULTS

Lab ID:	L1104831-05	Date Collected:	04/11/11 09:26
Client ID:	MW-11DO	Date Received:	04/11/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/15/11 09:05
Analytical Date:	04/21/11 16:06		
Analyst:	HL		

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	54		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	116		10-120
4-Terphenyl-d14	98		41-149

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1104831
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-06
Client ID: MW-5S
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water
Analytical Method: 1,8270C
Analytical Date: 04/27/11 23:32
Analyst: JB

Date Collected: 04/11/11 12:22
Date Received: 04/11/11
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/16/11 05:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	5.0	--	1
Benzidine	ND		ug/l	50	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	5.0	--	1
2-Chloronaphthalene	ND		ug/l	6.0	--	1
1,2-Dichlorobenzene	ND		ug/l	5.0	--	1
1,3-Dichlorobenzene	ND		ug/l	5.0	--	1
1,4-Dichlorobenzene	ND		ug/l	5.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	50	--	1
2,4-Dinitrotoluene	ND		ug/l	6.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	5.0	--	1
Fluoranthene	ND		ug/l	5.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	5.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	5.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	5.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	30	--	1
Hexachloroethane	ND		ug/l	5.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	5.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	5.0	--	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	5.0	--	1

Project Name: ROSE HILL LANDFILL
Lab Number: L1104831
Project Number: CJI-1747
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-06
Client ID: MW-5S
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/11/11 12:22
Date Received: 04/11/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	5.0	--	1
Anthracene	ND		ug/l	5.0	--	1
Benzo(ghi)perylene	ND		ug/l	5.0	--	1
Fluorene	ND		ug/l	5.0	--	1
Phenanthrene	ND		ug/l	5.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	5.0	--	1
Pyrene	ND		ug/l	5.0	--	1
Aniline	ND		ug/l	20	--	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	7.0	--	1
Dibenzofuran	ND		ug/l	5.0	--	1
2-Methylnaphthalene	ND		ug/l	5.0	--	1
n-Nitrosodimethylamine	ND		ug/l	50	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	5.0	--	1
2-Chlorophenol	ND		ug/l	6.0	--	1
2,4-Dichlorophenol	ND		ug/l	10	--	1
2,4-Dimethylphenol	ND		ug/l	10	--	1
2-Nitrophenol	ND		ug/l	20	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	30	--	1
4,6-Dinitro-o-cresol	ND		ug/l	20	--	1
Phenol	ND		ug/l	7.0	--	1
2-Methylphenol	ND		ug/l	6.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	6.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	10	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	28		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	51		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	50		10-120
4-Terphenyl-d14	107		41-149

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

SAMPLE RESULTS

Lab ID:	L1104831-06	Date Collected:	04/11/11 12:22
Client ID:	MW-5S	Date Received:	04/11/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/16/11 06:01
Analytical Date:	04/20/11 16:55		
Analyst:	HL		

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	26		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	58		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	93		41-149

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

SAMPLE RESULTS

Lab ID:	L1104831-07	Date Collected:	04/11/11 12:55
Client ID:	FIELD BLANK	Date Received:	04/11/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/16/11 05:56
Analytical Date:	04/28/11 03:51		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	5.0	--	1
Benzidine	ND		ug/l	50	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	5.0	--	1
2-Chloronaphthalene	ND		ug/l	6.0	--	1
1,2-Dichlorobenzene	ND		ug/l	5.0	--	1
1,3-Dichlorobenzene	ND		ug/l	5.0	--	1
1,4-Dichlorobenzene	ND		ug/l	5.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	50	--	1
2,4-Dinitrotoluene	ND		ug/l	6.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	5.0	--	1
Fluoranthene	ND		ug/l	5.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	5.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	5.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	5.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	30	--	1
Hexachloroethane	ND		ug/l	5.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	5.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	5.0	--	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	5.0	--	1

Project Name: ROSE HILL LANDFILL
Lab Number: L1104831
Project Number: CJI-1747
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-07
Client ID: FIELD BLANK
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/11/11 12:55
Date Received: 04/11/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	5.0	--	1
Anthracene	ND		ug/l	5.0	--	1
Benzo(ghi)perylene	ND		ug/l	5.0	--	1
Fluorene	ND		ug/l	5.0	--	1
Phenanthrene	ND		ug/l	5.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	5.0	--	1
Pyrene	ND		ug/l	5.0	--	1
Aniline	ND		ug/l	20	--	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	7.0	--	1
Dibenzofuran	ND		ug/l	5.0	--	1
2-Methylnaphthalene	ND		ug/l	5.0	--	1
n-Nitrosodimethylamine	ND		ug/l	50	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	5.0	--	1
2-Chlorophenol	ND		ug/l	6.0	--	1
2,4-Dichlorophenol	ND		ug/l	10	--	1
2,4-Dimethylphenol	ND		ug/l	10	--	1
2-Nitrophenol	ND		ug/l	20	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	30	--	1
4,6-Dinitro-o-cresol	ND		ug/l	20	--	1
Phenol	ND		ug/l	7.0	--	1
2-Methylphenol	ND		ug/l	6.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	6.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	10	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	39		23-120
2-Fluorobiphenyl	47		15-120
2,4,6-Tribromophenol	52		10-120
4-Terphenyl-d14	79		41-149

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

SAMPLE RESULTS

Lab ID:	L1104831-07	Date Collected:	04/11/11 12:55
Client ID:	FIELD BLANK	Date Received:	04/11/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/16/11 06:01
Analytical Date:	04/20/11 17:28		
Analyst:	HL		

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	22		10-120
Nitrobenzene-d5	51		23-120
2-Fluorobiphenyl	46		15-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	72		41-149

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

Lab Number: L1104831
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-09
Client ID: RES #11
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water
Analytical Method: 1,8270C
Analytical Date: 04/28/11 04:15
Analyst: JB

Date Collected: 04/11/11 12:57
Date Received: 04/11/11
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/16/11 05:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	5.0	--	1
Benzidine	ND		ug/l	50	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	5.0	--	1
2-Chloronaphthalene	ND		ug/l	6.0	--	1
1,2-Dichlorobenzene	ND		ug/l	5.0	--	1
1,3-Dichlorobenzene	ND		ug/l	5.0	--	1
1,4-Dichlorobenzene	ND		ug/l	5.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	50	--	1
2,4-Dinitrotoluene	ND		ug/l	6.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	5.0	--	1
Fluoranthene	ND		ug/l	5.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	5.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	5.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	5.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	30	--	1
Hexachloroethane	ND		ug/l	5.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	5.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	5.0	--	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	5.0	--	1

Project Name: ROSE HILL LANDFILL
Lab Number: L1104831
Project Number: CJI-1747
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-09
Date Collected: 04/11/11 12:57
Client ID: RES #11
Date Received: 04/11/11
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	5.0	--	1
Anthracene	ND		ug/l	5.0	--	1
Benzo(ghi)perylene	ND		ug/l	5.0	--	1
Fluorene	ND		ug/l	5.0	--	1
Phenanthrene	ND		ug/l	5.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	5.0	--	1
Pyrene	ND		ug/l	5.0	--	1
Aniline	ND		ug/l	20	--	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	7.0	--	1
Dibenzofuran	ND		ug/l	5.0	--	1
2-Methylnaphthalene	ND		ug/l	5.0	--	1
n-Nitrosodimethylamine	ND		ug/l	50	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	5.0	--	1
2-Chlorophenol	ND		ug/l	6.0	--	1
2,4-Dichlorophenol	ND		ug/l	10	--	1
2,4-Dimethylphenol	ND		ug/l	10	--	1
2-Nitrophenol	ND		ug/l	20	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	30	--	1
4,6-Dinitro-o-cresol	ND		ug/l	20	--	1
Phenol	ND		ug/l	7.0	--	1
2-Methylphenol	ND		ug/l	6.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	6.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	10	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	57		10-120
4-Terphenyl-d14	96		41-149

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

SAMPLE RESULTS

Lab ID:	L1104831-09	Date Collected:	04/11/11 12:57
Client ID:	RES #11	Date Received:	04/11/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/16/11 06:01
Analytical Date:	04/20/11 18:00		
Analyst:	HL		

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	31		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	85		41-149

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

SAMPLE RESULTS

Lab ID:	L1104831-10	Date Collected:	04/11/11 12:57
Client ID:	DUPLICATE (RES #11)	Date Received:	04/11/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/16/11 05:56
Analytical Date:	04/28/11 04:38		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	5.0	--	1
Benzidine	ND		ug/l	50	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	5.0	--	1
2-Chloronaphthalene	ND		ug/l	6.0	--	1
1,2-Dichlorobenzene	ND		ug/l	5.0	--	1
1,3-Dichlorobenzene	ND		ug/l	5.0	--	1
1,4-Dichlorobenzene	ND		ug/l	5.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	50	--	1
2,4-Dinitrotoluene	ND		ug/l	6.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	5.0	--	1
Fluoranthene	ND		ug/l	5.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	5.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	5.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	5.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	30	--	1
Hexachloroethane	ND		ug/l	5.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	5.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	5.0	--	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	5.0	--	1

Project Name: ROSE HILL LANDFILL
Lab Number: L1104831
Project Number: CJI-1747
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-10
Client ID: DUPLICATE (RES #11)
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/11/11 12:57
Date Received: 04/11/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	5.0	--	1
Anthracene	ND		ug/l	5.0	--	1
Benzo(ghi)perylene	ND		ug/l	5.0	--	1
Fluorene	ND		ug/l	5.0	--	1
Phenanthrene	ND		ug/l	5.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	5.0	--	1
Pyrene	ND		ug/l	5.0	--	1
Aniline	ND		ug/l	20	--	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	7.0	--	1
Dibenzofuran	ND		ug/l	5.0	--	1
2-Methylnaphthalene	ND		ug/l	5.0	--	1
n-Nitrosodimethylamine	ND		ug/l	50	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	5.0	--	1
2-Chlorophenol	ND		ug/l	6.0	--	1
2,4-Dichlorophenol	ND		ug/l	10	--	1
2,4-Dimethylphenol	ND		ug/l	10	--	1
2-Nitrophenol	ND		ug/l	20	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	30	--	1
4,6-Dinitro-o-cresol	ND		ug/l	20	--	1
Phenol	ND		ug/l	7.0	--	1
2-Methylphenol	ND		ug/l	6.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	6.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	10	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	31		23-120
2-Fluorobiphenyl	41		15-120
2,4,6-Tribromophenol	44		10-120
4-Terphenyl-d14	71		41-149

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

SAMPLE RESULTS

Lab ID:	L1104831-10	Date Collected:	04/11/11 12:57
Client ID:	DUPLICATE (RES #11)	Date Received:	04/11/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/16/11 06:01
Analytical Date:	04/20/11 18:32		
Analyst:	HL		

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	35		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	44		23-120
2-Fluorobiphenyl	41		15-120
2,4,6-Tribromophenol	59		10-120
4-Terphenyl-d14	66		41-149

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

SAMPLE RESULTS

Lab ID:	L1104831-11	Date Collected:	04/11/11 13:18
Client ID:	RES #10	Date Received:	04/11/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/16/11 05:56
Analytical Date:	04/28/11 05:02		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	5.0	--	1
Benzidine	ND		ug/l	50	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	5.0	--	1
2-Chloronaphthalene	ND		ug/l	6.0	--	1
1,2-Dichlorobenzene	ND		ug/l	5.0	--	1
1,3-Dichlorobenzene	ND		ug/l	5.0	--	1
1,4-Dichlorobenzene	ND		ug/l	5.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	50	--	1
2,4-Dinitrotoluene	ND		ug/l	6.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	5.0	--	1
Fluoranthene	ND		ug/l	5.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	5.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	5.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	5.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	30	--	1
Hexachloroethane	ND		ug/l	5.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	5.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	5.0	--	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	5.0	--	1

Project Name: ROSE HILL LANDFILL
Lab Number: L1104831
Project Number: CJI-1747
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-11
Client ID: RES #10
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/11/11 13:18
Date Received: 04/11/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	5.0	--	1
Anthracene	ND		ug/l	5.0	--	1
Benzo(ghi)perylene	ND		ug/l	5.0	--	1
Fluorene	ND		ug/l	5.0	--	1
Phenanthrene	ND		ug/l	5.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	5.0	--	1
Pyrene	ND		ug/l	5.0	--	1
Aniline	ND		ug/l	20	--	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	7.0	--	1
Dibenzofuran	ND		ug/l	5.0	--	1
2-Methylnaphthalene	ND		ug/l	5.0	--	1
n-Nitrosodimethylamine	ND		ug/l	50	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	5.0	--	1
2-Chlorophenol	ND		ug/l	6.0	--	1
2,4-Dichlorophenol	ND		ug/l	10	--	1
2,4-Dimethylphenol	ND		ug/l	10	--	1
2-Nitrophenol	ND		ug/l	20	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	30	--	1
4,6-Dinitro-o-cresol	ND		ug/l	20	--	1
Phenol	ND		ug/l	7.0	--	1
2-Methylphenol	ND		ug/l	6.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	6.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	10	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	62		10-120
4-Terphenyl-d14	103		41-149

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

SAMPLE RESULTS

Lab ID:	L1104831-11	Date Collected:	04/11/11 13:18
Client ID:	RES #10	Date Received:	04/11/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/16/11 06:01
Analytical Date:	04/20/11 19:04		
Analyst:	HL		

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	49		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	97		10-120
4-Terphenyl-d14	88		41-149

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

SAMPLE RESULTS

Lab ID:	L1104831-12	Date Collected:	04/11/11 13:32
Client ID:	RES #7	Date Received:	04/11/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/16/11 05:56
Analytical Date:	04/28/11 05:26		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	5.0	--	1
Benzidine	ND		ug/l	50	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	5.0	--	1
2-Chloronaphthalene	ND		ug/l	6.0	--	1
1,2-Dichlorobenzene	ND		ug/l	5.0	--	1
1,3-Dichlorobenzene	ND		ug/l	5.0	--	1
1,4-Dichlorobenzene	ND		ug/l	5.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	50	--	1
2,4-Dinitrotoluene	ND		ug/l	6.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	5.0	--	1
Fluoranthene	ND		ug/l	5.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	5.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	5.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	5.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	30	--	1
Hexachloroethane	ND		ug/l	5.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	5.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	5.0	--	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	5.0	--	1

Project Name: ROSE HILL LANDFILL
Lab Number: L1104831
Project Number: CJI-1747
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-12
Client ID: RES #7
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/11/11 13:32
Date Received: 04/11/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	5.0	--	1
Anthracene	ND		ug/l	5.0	--	1
Benzo(ghi)perylene	ND		ug/l	5.0	--	1
Fluorene	ND		ug/l	5.0	--	1
Phenanthrene	ND		ug/l	5.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	5.0	--	1
Pyrene	ND		ug/l	5.0	--	1
Aniline	ND		ug/l	20	--	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	7.0	--	1
Dibenzofuran	ND		ug/l	5.0	--	1
2-Methylnaphthalene	ND		ug/l	5.0	--	1
n-Nitrosodimethylamine	ND		ug/l	50	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	5.0	--	1
2-Chlorophenol	ND		ug/l	6.0	--	1
2,4-Dichlorophenol	ND		ug/l	10	--	1
2,4-Dimethylphenol	ND		ug/l	10	--	1
2-Nitrophenol	ND		ug/l	20	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	30	--	1
4,6-Dinitro-o-cresol	ND		ug/l	20	--	1
Phenol	ND		ug/l	7.0	--	1
2-Methylphenol	ND		ug/l	6.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	6.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	10	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	48		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	93		41-149

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

SAMPLE RESULTS

Lab ID:	L1104831-12	Date Collected:	04/11/11 13:32
Client ID:	RES #7	Date Received:	04/11/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/16/11 06:01
Analytical Date:	04/20/11 19:36		
Analyst:	HL		

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	65		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	85		41-149

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

Lab Number: L1104831
Report Date: 04/30/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 04/27/11 21:35
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 04/15/11 06:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG463126-1					
Acenaphthene	ND		ug/l	5.0	--
Benzidine	ND		ug/l	50	--
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--
Bis(2-chloroethyl)ether	ND		ug/l	5.0	--
2-Chloronaphthalene	ND		ug/l	6.0	--
1,2-Dichlorobenzene	ND		ug/l	5.0	--
1,3-Dichlorobenzene	ND		ug/l	5.0	--
1,4-Dichlorobenzene	ND		ug/l	5.0	--
3,3'-Dichlorobenzidine	ND		ug/l	50	--
2,4-Dinitrotoluene	ND		ug/l	6.0	--
2,6-Dinitrotoluene	ND		ug/l	5.0	--
Azobenzene	ND		ug/l	5.0	--
Fluoranthene	ND		ug/l	5.0	--
4-Chlorophenyl phenyl ether	ND		ug/l	5.0	--
4-Bromophenyl phenyl ether	ND		ug/l	5.0	--
Bis(2-chloroisopropyl)ether	ND		ug/l	5.0	--
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--
Hexachlorocyclopentadiene	ND		ug/l	30	--
Hexachloroethane	ND		ug/l	5.0	--
Isophorone	ND		ug/l	5.0	--
Naphthalene	ND		ug/l	5.0	--
Nitrobenzene	ND		ug/l	5.0	--
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--
Bis(2-Ethylhexyl)phthalate	ND		ug/l	5.0	--
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	5.0	--

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

Lab Number: L1104831
Report Date: 04/30/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 04/27/11 21:35
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 04/15/11 06:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG463126-1					
Acenaphthylene	ND		ug/l	5.0	--
Anthracene	ND		ug/l	5.0	--
Benzo(ghi)perylene	ND		ug/l	5.0	--
Fluorene	ND		ug/l	5.0	--
Phenanthrene	ND		ug/l	5.0	--
Dibenzo(a,h)anthracene	ND		ug/l	5.0	--
Pyrene	ND		ug/l	5.0	--
Aniline	ND		ug/l	20	--
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	7.0	--
Dibenzofuran	ND		ug/l	5.0	--
2-Methylnaphthalene	ND		ug/l	5.0	--
n-Nitrosodimethylamine	ND		ug/l	50	--
2,4,6-Trichlorophenol	ND		ug/l	5.0	--
P-Chloro-M-Cresol	ND		ug/l	5.0	--
2-Chlorophenol	ND		ug/l	6.0	--
2,4-Dichlorophenol	ND		ug/l	10	--
2,4-Dimethylphenol	ND		ug/l	10	--
2-Nitrophenol	ND		ug/l	20	--
4-Nitrophenol	ND		ug/l	10	--
2,4-Dinitrophenol	ND		ug/l	30	--
4,6-Dinitro-o-cresol	ND		ug/l	20	--
Phenol	ND		ug/l	7.0	--
2-Methylphenol	ND		ug/l	6.0	--
3-Methylphenol/4-Methylphenol	ND		ug/l	6.0	--
2,4,5-Trichlorophenol	ND		ug/l	5.0	--
Benzyl Alcohol	ND		ug/l	10	--

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

Lab Number: L1104831
Report Date: 04/30/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 04/27/11 21:35
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 04/15/11 06:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG463126-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	118		41-149

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

Lab Number: L1104831
Report Date: 04/30/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C-SIM
Analytical Date: 04/20/11 22:31
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 04/15/11 09:05

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-05 Batch: WG463161-1					
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	45		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	94		10-120
4-Terphenyl-d14	107		41-149

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

Lab Number: L1104831
Report Date: 04/30/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 04/18/11 11:34
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 04/16/11 01:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06-07,09-12 Batch: WG465330-1					
Acenaphthene	ND		ug/l	5.0	--
Benzidine	ND		ug/l	50	--
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--
Bis(2-chloroethyl)ether	ND		ug/l	5.0	--
2-Chloronaphthalene	ND		ug/l	6.0	--
1,2-Dichlorobenzene	ND		ug/l	5.0	--
1,3-Dichlorobenzene	ND		ug/l	5.0	--
1,4-Dichlorobenzene	ND		ug/l	5.0	--
3,3'-Dichlorobenzidine	ND		ug/l	50	--
2,4-Dinitrotoluene	ND		ug/l	6.0	--
2,6-Dinitrotoluene	ND		ug/l	5.0	--
Azobenzene	ND		ug/l	5.0	--
Fluoranthene	ND		ug/l	5.0	--
4-Chlorophenyl phenyl ether	ND		ug/l	5.0	--
4-Bromophenyl phenyl ether	ND		ug/l	5.0	--
Bis(2-chloroisopropyl)ether	ND		ug/l	5.0	--
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--
Hexachlorocyclopentadiene	ND		ug/l	30	--
Hexachloroethane	ND		ug/l	5.0	--
Isophorone	ND		ug/l	5.0	--
Naphthalene	ND		ug/l	5.0	--
Nitrobenzene	ND		ug/l	5.0	--
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--
Bis(2-Ethylhexyl)phthalate	ND		ug/l	5.0	--
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: L1104831
Report Date: 04/30/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 04/18/11 11:34
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 04/16/11 01:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06-07,09-12 Batch: WG465330-1					
Chrysene	ND		ug/l	5.0	--
Acenaphthylene	ND		ug/l	5.0	--
Anthracene	ND		ug/l	5.0	--
Benzo(ghi)perylene	ND		ug/l	5.0	--
Fluorene	ND		ug/l	5.0	--
Phenanthrene	ND		ug/l	5.0	--
Dibenzo(a,h)anthracene	ND		ug/l	5.0	--
Pyrene	ND		ug/l	5.0	--
Aniline	ND		ug/l	20	--
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	7.0	--
Dibenzofuran	ND		ug/l	5.0	--
2-Methylnaphthalene	ND		ug/l	5.0	--
n-Nitrosodimethylamine	ND		ug/l	50	--
2,4,6-Trichlorophenol	ND		ug/l	5.0	--
P-Chloro-M-Cresol	ND		ug/l	5.0	--
2-Chlorophenol	ND		ug/l	6.0	--
2,4-Dichlorophenol	ND		ug/l	10	--
2,4-Dimethylphenol	ND		ug/l	10	--
2-Nitrophenol	ND		ug/l	20	--
4-Nitrophenol	ND		ug/l	10	--
2,4-Dinitrophenol	ND		ug/l	30	--
4,6-Dinitro-o-cresol	ND		ug/l	20	--
Phenol	ND		ug/l	7.0	--
2-Methylphenol	ND		ug/l	6.0	--
3-Methylphenol/4-Methylphenol	ND		ug/l	6.0	--
2,4,5-Trichlorophenol	ND		ug/l	5.0	--
Benzyl Alcohol	ND		ug/l	10	--

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

Lab Number: L1104831
Report Date: 04/30/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 04/18/11 11:34
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 04/16/11 01:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06-07,09-12 Batch: WG465330-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	108		10-120
4-Terphenyl-d14	125		41-149

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

Lab Number: L1104831
Report Date: 04/30/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C-SIM
Analytical Date: 04/29/11 09:12
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 04/16/11 01:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 06-07,09-12 Batch: WG465331-1					
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	58		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	109		10-120
4-Terphenyl-d14	119		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1104831

Report Date: 04/30/11

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: WG463126-2 WG463126-3								
Acenaphthene	106		94		37-111	12		30
1,2,4-Trichlorobenzene	71		60		39-98	17		30
1,4-Dichlorobenzene	60		51		36-97	16		30
2,4-Dinitrotoluene	132	Q	119	Q	24-96	10		30
n-Nitrosodi-n-propylamine	112		106		41-116	6		30
Pyrene	123		108		26-127	13		30
P-Chloro-M-Cresol	120	Q	109	Q	23-97	10		30
2-Chlorophenol	93		87		27-123	7		30
4-Nitrophenol	85	Q	79		10-80	7		30
Pentachlorophenol	115	Q	104	Q	9-103	10		30
Phenol	59		57		12-110	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	74		73		21-120
Phenol-d6	58		58		10-120
Nitrobenzene-d5	93		86		23-120
2-Fluorobiphenyl	107		99		15-120
2,4,6-Tribromophenol	116		104		10-120
4-Terphenyl-d14	130		118		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1104831

Report Date: 04/30/11

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: WG463161-2 WG463161-3								
Pentachlorophenol	121	Q	118	Q	9-103	3		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	67		67		21-120
Phenol-d6	48		49		10-120
Nitrobenzene-d5	105		102		23-120
2-Fluorobiphenyl	94		88		15-120
2,4,6-Tribromophenol	92		95		10-120
4-Terphenyl-d14	110		110		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1104831

Report Date: 04/30/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07,09-12 Batch: WG465330-2 WG465330-3								
Acenaphthene	94		94		37-111	0		30
1,2,4-Trichlorobenzene	60		61		39-98	2		30
1,4-Dichlorobenzene	55		57		36-97	4		30
2,4-Dinitrotoluene	120	Q	118	Q	24-96	2		30
n-Nitrosodi-n-propylamine	88		85		41-116	3		30
Pyrene	117		119		26-127	2		30
P-Chloro-M-Cresol	113	Q	112	Q	23-97	1		30
2-Chlorophenol	85		82		27-123	4		30
4-Nitrophenol	71		66		10-80	7		30
Pentachlorophenol	101		104	Q	9-103	3		30
Phenol	46		43		12-110	7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	61		56		21-120
Phenol-d6	44		40		10-120
Nitrobenzene-d5	82		81		23-120
2-Fluorobiphenyl	89		87		15-120
2,4,6-Tribromophenol	113		114		10-120
4-Terphenyl-d14	118		118		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1104831

Report Date: 04/30/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 06-07,09-12 Batch: WG465331-2 WG465331-3								
Pentachlorophenol	93		95		9-103	2		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	47		56		21-120
Phenol-d6	34		40		10-120
Nitrobenzene-d5	82		92		23-120
2-Fluorobiphenyl	74		77		15-120
2,4,6-Tribromophenol	112		115		10-120
4-Terphenyl-d14	103		108		41-149

Matrix Spike Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1104831

Report Date: 04/30/11

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: WG463126-4 WG463126-5 QC Sample: L1104831-01 Client ID: MW-11S												
Acenaphthene	ND	40	39	98		37	93		37-111	5		30
1,2,4-Trichlorobenzene	ND	40	30	75		28	70		39-98	7		30
1,4-Dichlorobenzene	ND	40	27	68		25	63		36-97	8		30
2,4-Dinitrotoluene	ND	40	48	120	Q	46	120	Q	24-96	4		30
n-Nitrosodi-n-propylamine	ND	40	44	110		42	110		41-116	5		30
Pyrene	ND	40	45	110		43	110		26-127	5		30
P-Chloro-M-Cresol	ND	40	46	120	Q	41	100	Q	23-97	11		30
2-Chlorophenol	ND	40	37	93		33	83		27-123	11		30
4-Nitrophenol	ND	40	30	75		26	65		10-80	14		30
Pentachlorophenol	ND	40	44	110	Q	41	100		9-103	7		30
Phenol	ND	40	20	50		17	43		12-110	16		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	105		102		10-120
2-Fluorobiphenyl	96		93		15-120
2-Fluorophenol	63		54		21-120
4-Terphenyl-d14	116		106		41-149
Nitrobenzene-d5	85		84		23-120
Phenol-d6	47		40		10-120

Matrix Spike Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1104831

Report Date: 04/30/11

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: WG463161-4 WG463161-5 QC Sample: L1104831-01 Client ID: MW-11S												
Pentachlorophenol	ND	40	56	140	Q	51	130	Q	9-103	9		40

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	137	Q	129	Q	10-120
2-Fluorobiphenyl	106		100		15-120
2-Fluorophenol	70		61		21-120
4-Terphenyl-d14	136		125		41-149
Nitrobenzene-d5	108		101		23-120
Phenol-d6	50		41		10-120

METALS

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

SAMPLE RESULTS

Lab ID:	L1104831-01	Date Collected:	04/11/11 08:20
Client ID:	MW-11S	Date Received:	04/11/11
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	0.020	--	2	04/12/11 12:45	04/13/11 21:33	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0020	--	2	04/12/11 12:45	04/13/11 21:33	EPA 3005A	1,6020	BM
Arsenic, Total	0.0015		mg/l	0.0010	--	2	04/12/11 12:45	04/13/11 21:33	EPA 3005A	1,6020	BM
Barium, Total	0.0813		mg/l	0.0010	--	2	04/12/11 12:45	04/13/11 21:33	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0010	--	2	04/12/11 12:45	04/13/11 21:33	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0010	--	2	04/12/11 12:45	04/13/11 21:33	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0010	--	2	04/12/11 12:45	04/13/11 21:33	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0010	--	2	04/12/11 12:45	04/13/11 21:33	EPA 3005A	1,6020	BM
Manganese, Total	3.372		mg/l	0.0020	--	2	04/12/11 12:45	04/13/11 21:33	EPA 3005A	1,6020	BM
Sodium, Total	20		mg/l	2.0	--	1	04/12/11 12:45	04/20/11 13:22	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0010	--	2	04/12/11 12:45	04/13/11 21:33	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0010	--	2	04/12/11 12:45	04/13/11 21:33	EPA 3005A	1,6020	BM
Zinc, Total	0.0192		mg/l	0.0100	--	2	04/12/11 12:45	04/13/11 21:33	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

SAMPLE RESULTS

Lab ID:	L1104831-02	Date Collected:	04/11/11 09:09
Client ID:	MW-11BR	Date Received:	04/11/11
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	0.014		mg/l	0.010	--	1	04/12/11 12:45	04/13/11 22:09	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0010	--	1	04/12/11 12:45	04/13/11 22:09	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:09	EPA 3005A	1,6020	BM
Barium, Total	0.0378		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:09	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:09	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:09	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:09	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:09	EPA 3005A	1,6020	BM
Manganese, Total	0.0015		mg/l	0.0010	--	1	04/12/11 12:45	04/13/11 22:09	EPA 3005A	1,6020	BM
Sodium, Total	68		mg/l	2.0	--	1	04/12/11 12:45	04/20/11 13:34	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:09	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:09	EPA 3005A	1,6020	BM
Zinc, Total	0.0099		mg/l	0.0050	--	1	04/12/11 12:45	04/13/11 22:09	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

SAMPLE RESULTS

Lab ID:	L1104831-03	Date Collected:	04/11/11 10:01
Client ID:	MW-6DO	Date Received:	04/11/11
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	04/12/11 12:45	04/13/11 22:15	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0010	--	1	04/12/11 12:45	04/13/11 22:15	EPA 3005A	1,6020	BM
Arsenic, Total	0.0007		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:15	EPA 3005A	1,6020	BM
Barium, Total	0.0377		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:15	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:15	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:15	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:15	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:15	EPA 3005A	1,6020	BM
Manganese, Total	1.226		mg/l	0.0010	--	1	04/12/11 12:45	04/13/11 22:15	EPA 3005A	1,6020	BM
Sodium, Total	16		mg/l	2.0	--	1	04/12/11 12:45	04/20/11 13:37	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:15	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:15	EPA 3005A	1,6020	BM
Zinc, Total	0.0091		mg/l	0.0050	--	1	04/12/11 12:45	04/13/11 22:15	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

SAMPLE RESULTS

Lab ID:	L1104831-04	Date Collected:	04/11/11 10:01
Client ID:	DUPLICATE (MW-6DO)	Date Received:	04/11/11
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	04/12/11 12:45	04/13/11 22:21	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0010	--	1	04/12/11 12:45	04/13/11 22:21	EPA 3005A	1,6020	BM
Arsenic, Total	0.0007		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:21	EPA 3005A	1,6020	BM
Barium, Total	0.0384		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:21	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:21	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:21	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:21	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:21	EPA 3005A	1,6020	BM
Manganese, Total	1.225		mg/l	0.0010	--	1	04/12/11 12:45	04/13/11 22:21	EPA 3005A	1,6020	BM
Sodium, Total	16		mg/l	2.0	--	1	04/12/11 12:45	04/20/11 13:40	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:21	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:21	EPA 3005A	1,6020	BM
Zinc, Total	0.0089		mg/l	0.0050	--	1	04/12/11 12:45	04/13/11 22:21	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

SAMPLE RESULTS

Lab ID:	L1104831-05	Date Collected:	04/11/11 09:26
Client ID:	MW-11DO	Date Received:	04/11/11
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	04/12/11 12:45	04/13/11 22:27	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0010	--	1	04/12/11 12:45	04/13/11 22:27	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:27	EPA 3005A	1,6020	BM
Barium, Total	0.0452		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:27	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:27	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:27	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:27	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:27	EPA 3005A	1,6020	BM
Manganese, Total	1.538		mg/l	0.0010	--	1	04/12/11 12:45	04/13/11 22:27	EPA 3005A	1,6020	BM
Sodium, Total	20		mg/l	2.0	--	1	04/12/11 12:45	04/20/11 14:03	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:27	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:27	EPA 3005A	1,6020	BM
Zinc, Total	0.0136		mg/l	0.0050	--	1	04/12/11 12:45	04/13/11 22:27	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

SAMPLE RESULTS

Lab ID:	L1104831-06	Date Collected:	04/11/11 12:22
Client ID:	MW-5S	Date Received:	04/11/11
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	0.011		mg/l	0.010	--	1	04/12/11 12:45	04/13/11 22:33	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0010	--	1	04/12/11 12:45	04/13/11 22:33	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:33	EPA 3005A	1,6020	BM
Barium, Total	0.0015		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:33	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:33	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:33	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:33	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:33	EPA 3005A	1,6020	BM
Manganese, Total	0.0014		mg/l	0.0010	--	1	04/12/11 12:45	04/13/11 22:33	EPA 3005A	1,6020	BM
Sodium, Total	14		mg/l	2.0	--	1	04/12/11 12:45	04/20/11 14:06	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:33	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:33	EPA 3005A	1,6020	BM
Zinc, Total	0.0101		mg/l	0.0050	--	1	04/12/11 12:45	04/13/11 22:33	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

SAMPLE RESULTS

Lab ID:	L1104831-07	Date Collected:	04/11/11 12:55
Client ID:	FIELD BLANK	Date Received:	04/11/11
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	04/12/11 12:45	04/13/11 22:39	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0010	--	1	04/12/11 12:45	04/13/11 22:39	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:39	EPA 3005A	1,6020	BM
Barium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:39	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:39	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:39	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:39	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:39	EPA 3005A	1,6020	BM
Manganese, Total	ND		mg/l	0.0010	--	1	04/12/11 12:45	04/13/11 22:39	EPA 3005A	1,6020	BM
Sodium, Total	ND		mg/l	2.0	--	1	04/12/11 12:45	04/20/11 14:09	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:39	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:39	EPA 3005A	1,6020	BM
Zinc, Total	0.0132		mg/l	0.0050	--	1	04/12/11 12:45	04/13/11 22:39	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

SAMPLE RESULTS

Lab ID:	L1104831-09	Date Collected:	04/11/11 12:57
Client ID:	RES #11	Date Received:	04/11/11
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	04/12/11 12:45	04/13/11 22:45	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0010	--	1	04/12/11 12:45	04/13/11 22:45	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:45	EPA 3005A	1,6020	BM
Barium, Total	0.0075		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:45	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:45	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:45	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:45	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:45	EPA 3005A	1,6020	BM
Manganese, Total	0.0756		mg/l	0.0010	--	1	04/12/11 12:45	04/13/11 22:45	EPA 3005A	1,6020	BM
Sodium, Total	6.6		mg/l	2.0	--	1	04/12/11 12:45	04/20/11 14:12	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:45	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 22:45	EPA 3005A	1,6020	BM
Zinc, Total	0.0179		mg/l	0.0050	--	1	04/12/11 12:45	04/13/11 22:45	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

SAMPLE RESULTS

Lab ID:	L1104831-10	Date Collected:	04/11/11 12:57
Client ID:	DUPLICATE (RES #11)	Date Received:	04/11/11
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	04/12/11 12:45	04/13/11 23:04	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0010	--	1	04/12/11 12:45	04/13/11 23:04	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 23:04	EPA 3005A	1,6020	BM
Barium, Total	0.0070		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 23:04	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 23:04	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 23:04	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 23:04	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 23:04	EPA 3005A	1,6020	BM
Manganese, Total	0.0713		mg/l	0.0010	--	1	04/12/11 12:45	04/13/11 23:04	EPA 3005A	1,6020	BM
Sodium, Total	6.5		mg/l	2.0	--	1	04/12/11 12:45	04/20/11 14:16	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 23:04	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 23:04	EPA 3005A	1,6020	BM
Zinc, Total	0.0172		mg/l	0.0050	--	1	04/12/11 12:45	04/13/11 23:04	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

SAMPLE RESULTS

Lab ID:	L1104831-11	Date Collected:	04/11/11 13:18
Client ID:	RES #10	Date Received:	04/11/11
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	04/12/11 12:45	04/13/11 23:10	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0010	--	1	04/12/11 12:45	04/13/11 23:10	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 23:10	EPA 3005A	1,6020	BM
Barium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 23:10	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 23:10	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 23:10	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 23:10	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 23:10	EPA 3005A	1,6020	BM
Manganese, Total	ND		mg/l	0.0010	--	1	04/12/11 12:45	04/13/11 23:10	EPA 3005A	1,6020	BM
Sodium, Total	32		mg/l	2.0	--	1	04/12/11 12:45	04/20/11 14:19	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 23:10	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 23:10	EPA 3005A	1,6020	BM
Zinc, Total	0.0151		mg/l	0.0050	--	1	04/12/11 12:45	04/13/11 23:10	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

SAMPLE RESULTS

Lab ID:	L1104831-12	Date Collected:	04/11/11 13:32
Client ID:	RES #7	Date Received:	04/11/11
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	04/12/11 12:45	04/13/11 23:16	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0010	--	1	04/12/11 12:45	04/13/11 23:16	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 23:16	EPA 3005A	1,6020	BM
Barium, Total	0.0012		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 23:16	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 23:16	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 23:16	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 23:16	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 23:16	EPA 3005A	1,6020	BM
Manganese, Total	ND		mg/l	0.0010	--	1	04/12/11 12:45	04/13/11 23:16	EPA 3005A	1,6020	BM
Sodium, Total	33		mg/l	2.0	--	1	04/12/11 12:45	04/20/11 14:22	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 23:16	EPA 3005A	1,6020	BM
Vanadium, Total	0.0006		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 23:16	EPA 3005A	1,6020	BM
Zinc, Total	0.0102		mg/l	0.0050	--	1	04/12/11 12:45	04/13/11 23:16	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

SAMPLE RESULTS

Lab ID:	L1104831-13	Date Collected:	04/11/11 09:10
Client ID:	SW-12	Date Received:	04/11/11
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	0.094		mg/l	0.010	--	1	04/12/11 12:45	04/13/11 23:22	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 23:22	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 23:22	EPA 3005A	1,6020	BM
Chromium, Total	0.0005		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 23:22	EPA 3005A	1,6020	BM
Copper, Total	0.0021		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 23:22	EPA 3005A	1,6020	BM
Iron, Total	0.781		mg/l	0.050	--	1	04/12/11 12:45	04/13/11 23:22	EPA 3005A	1,6020	BM
Lead, Total	0.0008		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 23:22	EPA 3005A	1,6020	BM
Manganese, Total	0.1137		mg/l	0.0010	--	1	04/12/11 12:45	04/13/11 23:22	EPA 3005A	1,6020	BM
Nickel, Total	0.0012		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 23:22	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 23:22	EPA 3005A	1,6020	BM
Zinc, Total	0.0196		mg/l	0.0050	--	1	04/12/11 12:45	04/13/11 23:22	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab											
Hardness	14		mg/l	0.66	--	1	04/12/11 12:45	04/20/11 14:25	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.040		mg/l	0.010	--	1	04/13/11 13:30	04/16/11 00:37	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	04/13/11 13:30	04/16/11 00:37	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	04/13/11 13:30	04/16/11 00:37	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	--	1	04/13/11 13:30	04/16/11 00:37	EPA 3005A	1,6020	BM
Copper, Dissolved	0.00190		mg/l	0.0005	--	1	04/13/11 13:30	04/16/11 00:37	EPA 3005A	1,6020	BM
Iron, Dissolved	0.260		mg/l	0.050	--	1	04/13/11 13:30	04/16/11 00:37	EPA 3005A	1,6020	BM
Lead, Dissolved	ND		mg/l	0.0005	--	1	04/13/11 13:30	04/16/11 00:37	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.1054		mg/l	0.0010	--	1	04/13/11 13:30	04/16/11 00:37	EPA 3005A	1,6020	BM
Nickel, Dissolved	0.0008		mg/l	0.0005	--	1	04/13/11 13:30	04/16/11 00:37	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	--	1	04/13/11 13:30	04/16/11 00:37	EPA 3005A	1,6020	BM
Zinc, Dissolved	0.0250		mg/l	0.0050	--	1	04/13/11 13:30	04/16/11 00:37	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1104831
Report Date: 04/30/11

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): 01-07,09-13 Batch: WG462655-1										
Sodium, Total	ND		mg/l	2.0	--	1	04/12/11 12:45	04/20/11 13:16	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): 01-07,09-13 Batch: WG462655-1										
Hardness	ND		mg/l	0.66	--	1	04/12/11 12:45	04/20/11 13:16	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 Metals - Westborough Lab for sample(s): 01-07,09-13 Batch: WG462656-1										
Aluminum, Total	ND		mg/l	0.010	--	1	04/12/11 12:45	04/13/11 18:20	1,6020	BM
Antimony, Total	ND		mg/l	0.0010	--	1	04/12/11 12:45	04/13/11 18:20	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 18:20	1,6020	BM
Barium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 18:20	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 18:20	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 18:20	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 18:20	1,6020	BM
Copper, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 18:20	1,6020	BM
Iron, Total	ND		mg/l	0.050	--	1	04/12/11 12:45	04/13/11 18:20	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 18:20	1,6020	BM
Manganese, Total	ND		mg/l	0.0010	--	1	04/12/11 12:45	04/13/11 18:20	1,6020	BM
Nickel, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 18:20	1,6020	BM
Silver, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 18:20	1,6020	BM
Thallium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 18:20	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	04/12/11 12:45	04/13/11 18:20	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	--	1	04/12/11 12:45	04/13/11 18:20	1,6020	BM

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

Lab Number: L1104831
Report Date: 04/30/11

Method Blank Analysis
Batch Quality Control

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 Batch: WG462797-1										
Aluminum, Dissolved	ND		mg/l	0.010	--	1	04/13/11 13:30	04/15/11 21:18	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	04/13/11 13:30	04/15/11 21:18	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	04/13/11 13:30	04/15/11 21:18	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	--	1	04/13/11 13:30	04/15/11 21:18	1,6020	BM
Copper, Dissolved	ND		mg/l	0.0005	--	1	04/13/11 13:30	04/15/11 21:18	1,6020	BM
Iron, Dissolved	ND		mg/l	0.050	--	1	04/13/11 13:30	04/15/11 21:18	1,6020	BM
Lead, Dissolved	ND		mg/l	0.0005	--	1	04/13/11 13:30	04/15/11 21:18	1,6020	BM
Manganese, Dissolved	ND		mg/l	0.0010	--	1	04/13/11 13:30	04/15/11 21:18	1,6020	BM
Nickel, Dissolved	ND		mg/l	0.0005	--	1	04/13/11 13:30	04/15/11 21:18	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	--	1	04/13/11 13:30	04/15/11 21:18	1,6020	BM
Zinc, Dissolved	ND		mg/l	0.0050	--	1	04/13/11 13:30	04/15/11 21:18	1,6020	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: L1104831

Report Date: 04/30/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-07,09-13 Batch: WG462655-2								
Sodium, Total	110		-		80-120	-		
Total Hardness by SM 2340B - Westborough Lab Associated sample(s): 01-07,09-13 Batch: WG462655-2								
Hardness	100		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1104831

Report Date: 04/30/11

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-07,09-13 Batch: WG462656-2					
Aluminum, Total	98	-	80-120	-	
Antimony, Total	94	-	80-120	-	
Arsenic, Total	102	-	80-120	-	
Barium, Total	101	-	80-120	-	
Beryllium, Total	103	-	80-120	-	
Cadmium, Total	105	-	80-120	-	
Chromium, Total	99	-	80-120	-	
Copper, Total	106	-	80-120	-	
Iron, Total	104	-	80-120	-	
Lead, Total	103	-	80-120	-	
Manganese, Total	102	-	80-120	-	
Nickel, Total	106	-	80-120	-	
Silver, Total	100	-	80-120	-	
Thallium, Total	95	-	80-120	-	
Vanadium, Total	103	-	80-120	-	
Zinc, Total	102	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1104831

Report Date: 04/30/11

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 13 Batch: WG462797-2					
Aluminum, Dissolved	93	-	80-120	-	
Arsenic, Dissolved	102	-	80-120	-	
Cadmium, Dissolved	106	-	80-120	-	
Chromium, Dissolved	97	-	80-120	-	
Copper, Dissolved	104	-	80-120	-	
Iron, Dissolved	103	-	80-120	-	
Lead, Dissolved	102	-	80-120	-	
Manganese, Dissolved	102	-	80-120	-	
Nickel, Dissolved	103	-	80-120	-	
Silver, Dissolved	98	-	80-120	-	
Zinc, Dissolved	104	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1104831
Report Date: 04/30/11

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): 01-07,09-13 QC Batch ID: WG462655-3 WG462655-4 QC Sample: L1104831-01 Client ID: MW-11S												
Sodium, Total	20	10	32	120		31	110		75-125	3		20
Total Hardness by SM 2340B - Westborough Lab Associated sample(s): 01-07,09-13 QC Batch ID: WG462655-3 WG462655-4 QC Sample: L1104831-01 Client ID: MW-11S												
Hardness	120	66.2	190	106		190	106		75-125	0		20

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1104831
Report Date: 04/30/11

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): 01-07,09-13 QC Batch ID: WG462656-3 WG462656-4 QC Sample: L1104831-01 Client ID: MW-11S									
Aluminum, Total	0.037	2	1.86	91	1.81	89	80-120	3	20
Antimony, Total	ND	0.5	0.4892	98	0.4796	96	80-120	2	20
Arsenic, Total	0.0015	0.12	0.1227	101	0.1195	98	80-120	3	20
Barium, Total	0.0813	2	2.050	98	2.029	97	80-120	1	20
Beryllium, Total	ND	0.05	0.0502	100	0.0494	99	80-120	2	20
Cadmium, Total	ND	0.051	0.0520	102	0.0509	100	80-120	2	20
Chromium, Total	ND	0.2	0.1873	94	0.1830	92	80-120	2	20
Copper, Total	0.0119	0.25	0.2485	95	0.2421	92	80-120	3	20
Iron, Total	48.3	1	48.4	10	48.1	0	80-120	1	20
Lead, Total	ND	0.51	0.5072	99	0.4776	94	80-120	6	20
Manganese, Total	3.372	0.5	3.780	82	3.750	76	80-120	1	20
Nickel, Total	0.005	0.5	0.5004	99	0.4872	96	80-120	3	20
Silver, Total	ND	0.05	0.0474	95	0.0461	92	80-120	3	20
Thallium, Total	ND	0.12	0.1062	88	0.1006	84	80-120	5	20
Vanadium, Total	ND	0.5	0.4944	99	0.4820	96	80-120	3	20
Zinc, Total	0.0192	0.5	0.5076	98	0.4904	94	80-120	3	20

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1104831
Report Date: 04/30/11

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 QC Batch ID: WG462797-4 QC Sample: L1104831-13 Client ID: SW-12									
Aluminum, Dissolved	0.040	2	1.95	96	-	-	80-120	-	20
Arsenic, Dissolved	ND	0.12	0.1252	104	-	-	80-120	-	20
Cadmium, Dissolved	ND	0.051	0.0548	107	-	-	80-120	-	20
Chromium, Dissolved	ND	0.2	0.1950	98	-	-	80-120	-	20
Copper, Dissolved	0.00190	0.25	0.2681	106	-	-	80-120	-	20
Iron, Dissolved	0.260	1	1.31	105	-	-	80-120	-	20
Lead, Dissolved	ND	0.51	0.5388	106	-	-	80-120	-	20
Manganese, Dissolved	0.1054	0.5	0.6156	102	-	-	80-120	-	20
Nickel, Dissolved	0.0008	0.5	0.5284	106	-	-	80-120	-	20
Silver, Dissolved	ND	0.05	0.0487	97	-	-	80-120	-	20
Zinc, Dissolved	0.0250	0.5	0.5456	104	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

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

Lab Number: L1104831
Report Date: 04/30/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 13 QC Batch ID: WG462797-3 QC Sample: L1104831-13 Client ID: SW-12						
Aluminum, Dissolved	0.040	0.040	mg/l	0		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	0.00190	0.0019	mg/l	2		20
Iron, Dissolved	0.260	0.253	mg/l	3		20
Lead, Dissolved	ND	ND	mg/l	NC		20
Manganese, Dissolved	0.1054	0.1039	mg/l	1		20
Nickel, Dissolved	0.0008	0.0008	mg/l	1		20
Silver, Dissolved	ND	ND	mg/l	NC		20
Zinc, Dissolved	0.0250	0.0242	mg/l	3		20

INORGANICS
&
MISCELLANEOUS

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

Lab Number: L1104831
Report Date: 04/30/11

SAMPLE RESULTS

Lab ID: L1104831-13
Client ID: SW-12
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 04/11/11 09:10
Date Received: 04/11/11
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	04/14/11 12:00	04/15/11 13:42	1,9010B/9012A	JO
Nitrogen, Ammonia	0.146		mg/l	0.075	--	1	04/13/11 16:00	04/14/11 21:11	30,4500NH3-BH	AT
Nitrogen, Nitrate	0.17		mg/l	0.10	--	1	-	04/12/11 22:13	30,4500NO3-F	TH
Phosphorus, Total	0.012		mg/l	0.010	--	1	04/19/11 11:00	04/19/11 16:15	30,4500P-E	SD
Sulfide	ND		mg/l	0.10	--	1	04/13/11 18:45	04/13/11 21:11	1,9030B	AT
Total Organic Carbon	3.5		mg/l	0.50	--	1	-	04/18/11 14:01	1,9060	DW

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

Lab Number: L1104831
Report Date: 04/30/11

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 Batch: WG462637-2										
Nitrogen, Nitrate	ND		mg/l	0.10	--	1	-	04/12/11 21:49	30,4500NO3-F	TH
General Chemistry - Westborough Lab for sample(s): 13 Batch: WG462806-1										
Nitrogen, Ammonia	ND		mg/l	0.075	--	1	04/13/11 16:00	04/14/11 20:50	30,4500NH3-BH	AT
General Chemistry - Westborough Lab for sample(s): 13 Batch: WG462864-1										
Sulfide	ND		mg/l	0.10	--	1	04/13/11 18:45	04/13/11 21:10	1,9030B	AT
General Chemistry - Westborough Lab for sample(s): 13 Batch: WG462939-3										
Cyanide, Total	ND		mg/l	0.005	--	1	04/14/11 12:00	04/15/11 13:37	1,9010B/9012A	JO
General Chemistry - Westborough Lab for sample(s): 13 Batch: WG463545-1										
Total Organic Carbon	ND		mg/l	0.50	--	1	-	04/18/11 14:01	1,9060	DW
General Chemistry - Westborough Lab for sample(s): 13 Batch: WG463694-1										
Phosphorus, Total	ND		mg/l	0.010	--	1	04/19/11 11:00	04/19/11 16:14	30,4500P-E	SD

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1104831

Report Date: 04/30/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 13 Batch: WG462637-1								
Nitrogen, Nitrate	100		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 13 Batch: WG462806-2								
Nitrogen, Ammonia	104		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 13 Batch: WG462864-2								
Sulfide	81		-		75-125	-		
General Chemistry - Westborough Lab Associated sample(s): 13 Batch: WG462939-1 WG462939-2								
Cyanide, Total	93		92		80-120	1		
General Chemistry - Westborough Lab Associated sample(s): 13 Batch: WG463545-2								
Total Organic Carbon	110		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 13 Batch: WG463694-2								
Phosphorus, Total	97		-		85-115	-		

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1104831
Report Date: 04/30/11

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 QC Batch ID: WG462637-3 QC Sample: L1104834-03 Client ID: MS Sample												
Nitrogen, Nitrate	ND	4	4.1	102		-	-		83-113	-		17
General Chemistry - Westborough Lab Associated sample(s): 13 QC Batch ID: WG462806-3 QC Sample: L1104882-11 Client ID: MS Sample												
Nitrogen, Ammonia	0.104	4	4.07	99		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 13 QC Batch ID: WG462939-4 WG462939-5 QC Sample: L1104831-13 Client ID: SW-12												
Cyanide, Total	ND	0.2	0.191	96		0.194	97		80-120	2		30
General Chemistry - Westborough Lab Associated sample(s): 13 QC Batch ID: WG463545-3 QC Sample: L1104831-13 Client ID: SW-12												
Total Organic Carbon	3.5	4	7.9	110		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 13 QC Batch ID: WG463694-3 QC Sample: L1104852-13 Client ID: MS Sample												
Phosphorus, Total	4.86	6.25	4.65	0	Q	-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

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

Lab Number: L1104831
Report Date: 04/30/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 13 QC Batch ID: WG462637-4 QC Sample: L1104834-03 Client ID: DUP Sample						
Nitrogen, Nitrate	ND	ND	mg/l	NC		17
General Chemistry - Westborough Lab Associated sample(s): 13 QC Batch ID: WG462806-4 QC Sample: L1104882-12 Client ID: DUP Sample						
Nitrogen, Ammonia	0.089	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 13 QC Batch ID: WG462864-3 QC Sample: L1104831-13 Client ID: SW-12						
Sulfide	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 13 QC Batch ID: WG463545-4 QC Sample: L1104882-11 Client ID: DUP Sample						
Total Organic Carbon	4.0	4.1	mg/l	2		20
General Chemistry - Westborough Lab Associated sample(s): 13 QC Batch ID: WG463694-4 QC Sample: L1104852-13 Client ID: DUP Sample						
Phosphorus, Total	4.86	4.82	mg/l	1		20

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

Lab Number: L1104831
Report Date: 04/30/11

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(*)
L1104831-01A	Vial HCl preserved	A	N/A	4.1	Y	Absent	8260(14)
L1104831-01B	Vial HCl preserved	A	N/A	4.1	Y	Absent	8260(14)
L1104831-01C	Vial HCl preserved	A	N/A	4.1	Y	Absent	8260(14)
L1104831-01D	Vial HCl preserved	A	N/A	4.1	Y	Absent	8260(14)
L1104831-01E	Vial HCl preserved	A	N/A	4.1	Y	Absent	8260(14)
L1104831-01F	Vial HCl preserved	A	N/A	4.1	Y	Absent	8260(14)
L1104831-01G	Amber 1000ml unpreserved	A	7	4.1	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104831-01H	Amber 1000ml unpreserved	A	7	4.1	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104831-01I	Amber 1000ml unpreserved	A	7	4.1	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104831-01J	Amber 1000ml unpreserved	A	7	4.1	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104831-01K	Amber 1000ml unpreserved	A	7	4.1	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104831-01L	Amber 1000ml unpreserved	A	7	4.1	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104831-01M	Plastic 250ml HNO3 preserved	A	<2	4.1	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)
L1104831-01N	Plastic 250ml HNO3 preserved	A	<2	4.1	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)
L1104831-01O	Plastic 250ml HNO3 preserved	A	<2	4.1	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: L1104831
Report Date: 04/30/11

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1104831-02A	Vial HCl preserved	A	N/A	4.1	Y	Absent	8260(14)
L1104831-02B	Vial HCl preserved	A	N/A	4.1	Y	Absent	8260(14)
L1104831-02C	Amber 1000ml unpreserved	A	7	4.1	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104831-02D	Amber 1000ml unpreserved	A	7	4.1	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104831-02E	Plastic 250ml HNO3 preserved	A	<2	4.1	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)
L1104831-03A	Vial HCl preserved	B	N/A	2.9	Y	Absent	8260(14)
L1104831-03B	Vial HCl preserved	B	N/A	2.9	Y	Absent	8260(14)
L1104831-03C	Amber 1000ml unpreserved	B	7	2.9	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104831-03D	Amber 1000ml unpreserved	B	7	2.9	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104831-03E	Plastic 250ml HNO3 preserved	B	<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)
L1104831-04A	Vial HCl preserved	B	N/A	2.9	Y	Absent	8260(14)
L1104831-04B	Vial HCl preserved	B	N/A	2.9	Y	Absent	8260(14)
L1104831-04C	Amber 1000ml unpreserved	B	7	2.9	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104831-04D	Amber 1000ml unpreserved	B	7	2.9	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104831-04E	Plastic 250ml HNO3 preserved	B	<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)
L1104831-05A	Vial HCl preserved	A	N/A	4.1	Y	Absent	8260(14)
L1104831-05B	Vial HCl preserved	A	N/A	4.1	Y	Absent	8260(14)
L1104831-05C	Amber 1000ml unpreserved	A	7	4.1	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104831-05D	Amber 1000ml unpreserved	A	7	4.1	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104831-05E	Plastic 250ml HNO3 preserved	A	<2	4.1	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)
L1104831-06A	Vial HCl preserved	B	N/A	2.9	Y	Absent	8260(14)
L1104831-06B	Vial HCl preserved	B	N/A	2.9	Y	Absent	8260(14)
L1104831-06C	Amber 1000ml unpreserved	B	7	2.9	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: L1104831
Report Date: 04/30/11

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1104831-06D	Amber 1000ml unpreserved	B	7	2.9	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104831-06E	Plastic 250ml HNO3 preserved	B	<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)
L1104831-07A	Vial HCl preserved	B	N/A	2.9	Y	Absent	8260(14)
L1104831-07B	Vial HCl preserved	B	N/A	2.9	Y	Absent	8260(14)
L1104831-07C	Amber 1000ml unpreserved	B	7	2.9	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104831-07D	Amber 1000ml unpreserved	B	7	2.9	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104831-07E	Plastic 250ml HNO3 preserved	B	<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)
L1104831-08A	Vial HCl preserved	B	N/A	2.9	Y	Absent	8260(14)
L1104831-09A	Vial HCl preserved	C	N/A	2.7	Y	Absent	8260(14)
L1104831-09B	Vial HCl preserved	C	N/A	2.7	Y	Absent	8260(14)
L1104831-09C	Amber 1000ml unpreserved	C	7	2.7	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104831-09D	Amber 1000ml unpreserved	C	7	2.7	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104831-09E	Plastic 250ml HNO3 preserved	C	<2	2.7	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)
L1104831-10A	Vial HCl preserved	C	N/A	2.7	Y	Absent	8260(14)
L1104831-10B	Vial HCl preserved	C	N/A	2.7	Y	Absent	8260(14)
L1104831-10C	Amber 1000ml unpreserved	C	7	2.7	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104831-10D	Amber 1000ml unpreserved	C	7	2.7	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104831-10E	Plastic 250ml HNO3 preserved	C	<2	2.7	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)
L1104831-11A	Vial HCl preserved	C	N/A	2.7	Y	Absent	8260(14)
L1104831-11B	Vial HCl preserved	C	N/A	2.7	Y	Absent	8260(14)
L1104831-11C	Amber 1000ml unpreserved	C	7	2.7	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104831-11D	Amber 1000ml unpreserved	C	7	2.7	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: L1104831
Report Date: 04/30/11

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1104831-11E	Plastic 250ml HNO3 preserved	C	<2	2.7	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)
L1104831-12A	Vial HCl preserved	C	N/A	2.7	Y	Absent	8260(14)
L1104831-12B	Vial HCl preserved	C	N/A	2.7	Y	Absent	8260(14)
L1104831-12C	Amber 1000ml unpreserved	C	7	2.7	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104831-12D	Amber 1000ml unpreserved	C	7	2.7	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104831-12E	Plastic 250ml HNO3 preserved	C	<2	2.7	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)
L1104831-13A	Plastic 250ml Zn Acetate/NaOH pr	A	>12	4.1	Y	Absent	SULFIDE-9030(7)
L1104831-13B	Plastic 250ml Zn Acetate/NaOH pr	A	>12	4.1	Y	Absent	SULFIDE-9030(7)
L1104831-13C	Plastic 250ml NaOH preserved	A	>12	4.1	Y	Absent	TCN-9010(14)
L1104831-13D	Plastic 250ml unpreserved	A	7	4.1	Y	Absent	NO3-4500(2)
L1104831-13E	Plastic 500ml H2SO4 preserved	A	<2	4.1	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1104831-13F	Plastic 250ml HNO3 preserved	A	<2	4.1	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)
L1104831-13G	Plastic 500ml unpreserved	A	7	4.1	Y	Absent	-
L1104831-13H	Plastic 250ml HNO3 preserved	A	<2	4.1	Y	Absent	HARDT(180)
L1104831-13R	Vial H2SO4 preserved split	A	N/A	4.1	Y	Absent	TOC-9060(28)
L1104831-13S	Vial H2SO4 preserved split	A	N/A	4.1	Y	Absent	TOC-9060(28)
L1104831-13X	Plastic 250ml HNO3 preserved spl	A	<2	4.1	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:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

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.
- 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.

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.
- 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.
- 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. 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

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

Data Qualifiers

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:	L1104831
Project Number:	CJI-1747	Report Date:	04/30/11

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 February 23, 2011 - 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 ñColilert (SM9223 P/A), E. Coli. ñColilert (S M9223 P/A), HPC ñPour Plate (SM9215B), Fecal Coliform ñ 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 ñMF mEndo (SM9222B), Total Coliform ñ MTF (SM9221B), HPC ñPour Plate (SM9215B), Fecal Coliform ñMF m-FC (SM9222D), Feca l Coliform ñA-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, Nitroaro matics & 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, 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, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

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, Aldrin, Dieldrin, DDD, DDE, DDT, 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, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, 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, 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, 3580A, 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, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270C-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 7196A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 8270C-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.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. NELAP Accredited.
Drinking Water (Organic Parameters: EPA 524.2)

Non-Potable Water (Inorganic Parameters: EPA 1312. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B,

3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 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, 376.2, 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 S2ØD, 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.)

Department of Defense 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.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: 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. EPA 350.1 for Ammonia in a Soil matrix.

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: 4/11/11

ALPHA Job #: L1104831

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: 4/20/11 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
04831 1	MW-11S	4/11/11	8:20	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		5
1	MS (MW-11S)	4/11/11	8:20	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
1	MSD (MW-11S)	4/11/11	8:20	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
2	MW-11BR	4/11/11	9:09	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
3	MW-6DO	4/11/11	10:01	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
4	Duplicate (MW-6DO)	4/11/11	10:01	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
5	MW-11DO	4/11/11	9:26	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
6	MW-5S	4/11/11	12:22	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
7	Field Blank	4/11/11	12:55	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
8	Trip Blank	4/11/11				☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		1
	Container Type					V	A	P	-	-	-	-	-	-	-	-	-		
	Preservative					B	A	C	-	-	-	-	-	-	-	-	-		

Relinquished By:	Date/Time	Received By:	Date/Time
[signature] 3:00 4/11	4/11/11 3:00	[signature]	4/11/11 1525
[signature]	4/11/11 1715	[signature]	4/11/11 1715

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:04301117:37

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: 4/11/11

ALPHA Job #: L1104831

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 #: JI-1747
Project Manager: Chris Feeney
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/20/11 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
L1104831-09	Res #11	4/11/11	12:57	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		5
10	Duplicate (Res #11)	4/11/11	12:57	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
11	Res #10	4/11/11	1:18	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
12	Res #7	4/11/11	1:32	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		

	VOC-8260	SVOCs-8270	Total Metals									
Container Type	V	A	P	-	-	-	-	-	-	-	-	-
Preservative	B	A	C	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/11/11 3:00	[signature]	4/11/11 1525
[signature]	4/11/11 1715	[signature]	4/11/11 1715

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:04301117:37

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: 4/11/11

ALPHA Job #: L1104831

Project Information

Project Name: Rose Hill Landfill

Project Location: South Kingstown, RI

Project #: CJI-1747

Project Manager: Chris Feeney

ALPHA Quote #:

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

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/20/11 Time:

Other Project Specific Requirements/Comments/Detection Limits:

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

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
04831 13	SW-12	4/11/11	9:10	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
	4/11/11 3:00		4/11/11 1325
	4/11/11 1715		4/11/11 1710

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:04301117:37

ANALYTICAL REPORT

Lab Number:	L1104882
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:	04/29/11

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 NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

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: L1104882
Report Date: 04/29/11

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1104882-01	MW-4DO	SOUTH KINGSTOWN, RI	04/12/11 08:15
L1104882-02	MW-4S	SOUTH KINGSTOWN, RI	04/12/11 09:22
L1104882-03	MW-3BR	SOUTH KINGSTOWN, RI	04/12/11 10:15
L1104882-04	DUP (MW-3BR)	SOUTH KINGSTOWN, RI	04/12/11 10:15
L1104882-05	MW-3S	SOUTH KINGSTOWN, RI	04/12/11 10:51
L1104882-06	MW-12S	SOUTH KINGSTOWN, RI	04/12/11 11:32
L1104882-07	MW-12DO	SOUTH KINGSTOWN, RI	04/12/11 12:16
L1104882-08	MW-13S	SOUTH KINGSTOWN, RI	04/12/11 13:42
L1104882-09	FIELD BLANK	SOUTH KINGSTOWN, RI	04/12/11 13:50
L1104882-10	TRIP BLANK	SOUTH KINGSTOWN, RI	04/12/11 00:00
L1104882-11	SW-09	SOUTH KINGSTOWN, RI	04/12/11 09:30
L1104882-12	DUP (SW-09)	SOUTH KINGSTOWN, RI	04/12/11 09:30
L1104882-13	SW-17	SOUTH KINGSTOWN, RI	04/12/11 10:10
L1104882-14	SW-04	SOUTH KINGSTOWN, RI	04/12/11 12:10
L1104882-15	SW-2	SOUTH KINGSTOWN, RI	04/12/11 12:50
L1104882-16	SW-1	SOUTH KINGSTOWN, RI	04/12/11 13:10

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104882
Project Number:	CJI-1747	Report Date:	04/29/11

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. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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.

For additional information, please contact Client Services at 800-624-9220.

Sample Receipt

This report replaces the report issued on April 28, 2011. L1104882-01, -02 and -03 have been placed in a new analytical batch for Semivolatile Organics.

Sample Receipt

L1104882-06, -07 and -08 were received at the laboratory on April 13, 2011 at 18:00.

Volatile Organics

The WG463477-1/-2 LCS/LCSD recoveries, associated with L1104882-01 and -06, are below the individual acceptance criteria for Chloromethane (50%/50%), but within the overall method allowances. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for this compound.

Case Narrative (continued)

The WG463477-1/-2 LCS/LCSD RPD, associated with L1104882-01 and -06, is above the acceptance criteria for Bromomethane (27%); however, the individual LCS/LCSD recoveries are within method limits.
The WG463586-1/-2 LCS/LCSD recoveries, associated with L1104882-02 through -05 and -07 through -10, are outside the individual acceptance criteria for several compounds, but within the overall method allowances. The results of the associated samples are reported; however, all results are considered to have a potentially high bias for 1,2,3-Trichlorobenzene (138%/132%), 1,2,4-Trichlorobenzene (LCS at 130%) and a potentially low bias for Chloromethane (48%/53%).
The WG463477-4/-5 MS/MSD recoveries, performed on L1104882-06, are outside the acceptance criteria for trans-1,3-Dichloropropene (MSD at 74%) and Chloromethane (52%/59%).
The WG463477-4/-5 MS/MSD recoveries, performed on L1104882-06, are below the acceptance criteria for Dichlorodifluoromethane (0%/0%) due to the concentration of this compound falling below the reported detection limits.

Semivolatile Organics
L1104882-01 through -09 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 surrogate recoveries for L1104882-07 were outside the acceptance criteria for 2-Fluorophenol (1%), Phenol-d6 (0%) and 2,4,6-Tribromophenol (3%); however, re-extraction outside of holding time achieved similar results of 2-Fluorophenol (12%) and Phenol-d6 (3%). The results of both extractions are reported; however, all associated compounds are considered to have a potential bias.
The WG465330-2/-3 LCS/LCSD recoveries, associated with L1104882-01 through -03, were above the acceptance criteria for 2,4-Dinitrotoluene (120%/118%) and P-Chloro-M-Cresol (113%/112%); however, the associated samples were non-detect for these target compounds. The results of the original analysis are reported.
The WG463359-2/-3 LCS/LCSD recoveries, associated with L1104882-04 through -09, were above the acceptance criteria for 2,4-Dinitrotoluene (110%/113%) and P-Chloro-M-Cresol (LCSD at 106%); however, the associated samples were non-detect for these target compounds. The results of the original analysis are reported.

Case Narrative (continued)

The WG463359-4/-5 MS/MSD recoveries, performed on L1104882-06, were above the acceptance criteria for 2,4-Dinitrotoluene (130%/110%) and P-Chloro-M-Cresol (MSD at 98%); however, the associated LCS/LCSD recoveries were within criteria. The results of the sample utilized for the MS/MSD are considered to have a potentially high bias for these compounds. In addition, the WG463359-4/-5 MS/MSD RPD, performed on L1104882-06, is above the acceptance criteria for P-Chloro-M-Cresol (36%).
The WG463359-4 MS recovery, performed on L1104882-06, is below the acceptance criteria for 4-Nitrophenol (0%) due to the concentration of this compound falling below the reported detection limit.

Semivolatile Organics-SIM
The surrogate recoveries for L1104882-07 were outside the acceptance criteria for 2-Fluorophenol (2%), Phenol-d6 (0%) and 2,4,6-Tribromophenol (5%); however, re-extraction outside of holding time achieved similar results of 2-Fluorophenol (14%) and Phenol-d6 (3%). The results of both extractions are reported; however, all associated compounds are considered to have a potential bias.
The surrogate recovery for WG464031-1, associated with L1104882-07, is above the acceptance criteria for 2,4,6-Tribromophenol (132%). Since the blank was non-detect for all target analytes, re-analysis was not required.
The WG463360-2 LCS recovery, associated with L1104882-04 through -09, was above the acceptance criteria for Pentachlorophenol (121%); however, the associated samples were non-detect for this target compound. The results of the original analysis are reported.
The WG464031-3 LCSD recovery, associated with L1104882-07, was above the acceptance criteria for Pentachlorophenol (109%); however, the associated sample was non-detect for this target compound. The results of the original analysis are reported.
The surrogate recovery for the WG464031-3 LCSD, associated with L1104882-07, is above the acceptance criteria for 2,4,6-Tribromophenol (141%).
The WG463360-4/-5 MS/MSD recoveries, performed on L1104882-06, were above the acceptance criteria for Pentachlorophenol (130%/130%).
The surrogate recovery for the WG463360-5 MSD, performed on L1104882-06, is above the acceptance criteria for 2,4,6-Tribromophenol (123%).

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104882
Project Number:	CJI-1747	Report Date:	04/29/11

Case Narrative (continued)

Total Metals

The positive detections of Chromium and Zinc in L1104882-09 (Field Blank) were confirmed by screen analysis.

The WG463051-1 Method Blank, associated with L1104882-11 through -14 and -16, has a concentration above the reporting limit for Manganese. Since the associated sample concentrations are greater than 10x the Blank concentration for this analyte, no corrective action is required.

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: 04/29/11

ORGANICS

VOLATILES

Project Name: ROSE HILL LANDFILL
Lab Number: L1104882
Project Number: CJI-1747
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-01
Client ID: MW-4DO
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 04/15/11 16:13
Analyst: PD

Date Collected: 04/12/11 08:15
Date Received: 04/12/11
Field Prep: Not Specified

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	1.2		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: L1104882
Project Number: CJI-1747
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-01
Client ID: MW-4DO
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/12/11 08:15
Date Received: 04/12/11
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:	L1104882
Project Number:	CJI-1747	Report Date:	04/29/11

SAMPLE RESULTS

Lab ID:	L1104882-01	Date Collected:	04/12/11 08:15
Client ID:	MW-4DO	Date Received:	04/12/11
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	107		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	104		70-130

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1104882
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-02
Client ID: MW-4S
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 04/18/11 15:04
Analyst: PD

Date Collected: 04/12/11 09:22
Date Received: 04/12/11
Field Prep: Not Specified

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: L1104882
Project Number: CJI-1747
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-02
Client ID: MW-4S
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/12/11 09:22
Date Received: 04/12/11
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: L1104882
Project Number: CJI-1747
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-02
Date Collected: 04/12/11 09:22
Client ID: MW-4S
Date Received: 04/12/11
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	110		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	104		70-130

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1104882
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-03
Client ID: MW-3BR
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 04/18/11 15:39
Analyst: PD

Date Collected: 04/12/11 10:15
Date Received: 04/12/11
Field Prep: Not Specified

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: L1104882
Project Number: CJI-1747
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-03
Client ID: MW-3BR
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/12/11 10:15
Date Received: 04/12/11
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:	L1104882
Project Number:	CJI-1747	Report Date:	04/29/11

SAMPLE RESULTS

Lab ID:	L1104882-03	Date Collected:	04/12/11 10:15
Client ID:	MW-3BR	Date Received:	04/12/11
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	111		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	104		70-130

Project Name: ROSE HILL LANDFILL
Lab Number: L1104882
Project Number: CJI-1747
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-04
Client ID: DUP (MW-3BR)
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 04/18/11 16:14
Analyst: PD

Date Collected: 04/12/11 10:15
Date Received: 04/12/11
Field Prep: Not Specified

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: L1104882
Project Number: CJI-1747
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-04
Client ID: DUP (MW-3BR)
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/12/11 10:15
Date Received: 04/12/11
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:	L1104882
Project Number:	CJI-1747	Report Date:	04/29/11

SAMPLE RESULTS

Lab ID:	L1104882-04	Date Collected:	04/12/11 10:15
Client ID:	DUP (MW-3BR)	Date Received:	04/12/11
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	108		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	104		70-130

Project Name: ROSE HILL LANDFILL
Lab Number: L1104882
Project Number: CJI-1747
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-05
Client ID: MW-3S
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 04/18/11 16:49
Analyst: PD

Date Collected: 04/12/11 10:51
Date Received: 04/13/11
Field Prep: Not Specified

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: L1104882
Project Number: CJI-1747
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-05
Client ID: MW-3S
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/12/11 10:51
Date Received: 04/13/11
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: L1104882
Project Number: CJI-1747
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-05
Date Collected: 04/12/11 10:51
Client ID: MW-3S
Date Received: 04/13/11
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	109		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	104		70-130

Project Name: ROSE HILL LANDFILL
Lab Number: L1104882
Project Number: CJI-1747
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-06
Client ID: MW-12S
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 04/15/11 16:47
Analyst: PD

Date Collected: 04/12/11 11:32
Date Received: 04/13/11
Field Prep: Not Specified

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: L1104882
Project Number: CJI-1747
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-06
Client ID: MW-12S
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/12/11 11:32
Date Received: 04/13/11
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: L1104882
Project Number: CJI-1747
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-06
Date Collected: 04/12/11 11:32
Client ID: MW-12S
Date Received: 04/13/11
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	107		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	101		70-130

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1104882
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-07
Client ID: MW-12DO
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 04/18/11 17:24
Analyst: PD

Date Collected: 04/12/11 12:16
Date Received: 04/13/11
Field Prep: Not Specified

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: L1104882
Project Number: CJI-1747
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-07
Client ID: MW-12DO
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/12/11 12:16
Date Received: 04/13/11
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:	L1104882
Project Number:	CJI-1747	Report Date:	04/29/11

SAMPLE RESULTS

Lab ID:	L1104882-07	Date Collected:	04/12/11 12:16
Client ID:	MW-12DO	Date Received:	04/13/11
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	108		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	104		70-130

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1104882
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-08
Client ID: MW-13S
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 04/18/11 17:59
Analyst: PD

Date Collected: 04/12/11 13:42
Date Received: 04/13/11
Field Prep: Not Specified

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: L1104882
Project Number: CJI-1747
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-08
Client ID: MW-13S
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/12/11 13:42
Date Received: 04/13/11
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: L1104882
Project Number: CJI-1747
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-08
Date Collected: 04/12/11 13:42
Client ID: MW-13S
Date Received: 04/13/11
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	111		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	106		70-130

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1104882
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-09
Client ID: FIELD BLANK
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 04/18/11 18:34
Analyst: PD

Date Collected: 04/12/11 13:50
Date Received: 04/12/11
Field Prep: Not Specified

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: L1104882
Project Number: CJI-1747
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-09
Date Collected: 04/12/11 13:50
Client ID: FIELD BLANK
Date Received: 04/12/11
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:	L1104882
Project Number:	CJI-1747	Report Date:	04/29/11

SAMPLE RESULTS

Lab ID:	L1104882-09	Date Collected:	04/12/11 13:50
Client ID:	FIELD BLANK	Date Received:	04/12/11
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	110		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	105		70-130

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1104882
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-10
Client ID: TRIP BLANK
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 04/18/11 19:09
Analyst: PD

Date Collected: 04/12/11 00:00
Date Received: 04/12/11
Field Prep: Not Specified

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: L1104882
Project Number: CJI-1747
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-10
Date Collected: 04/12/11 00:00
Client ID: TRIP BLANK
Date Received: 04/12/11
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:	L1104882
Project Number:	CJI-1747	Report Date:	04/29/11

SAMPLE RESULTS

Lab ID:	L1104882-10	Date Collected:	04/12/11 00:00
Client ID:	TRIP BLANK	Date Received:	04/12/11
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	108		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	102		70-130

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

Lab Number: L1104882
Report Date: 04/29/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 04/15/11 08:42
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,06 Batch: WG463477-3					
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
Project Number: CJI-1747

Lab Number: L1104882
Report Date: 04/29/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 04/15/11 08:42
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,06 Batch: WG463477-3					
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
Project Number: CJI-1747

Lab Number: L1104882
Report Date: 04/29/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 04/15/11 08:42
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,06 Batch: WG463477-3					
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	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	104		70-130

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

Lab Number: L1104882
Report Date: 04/29/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 04/18/11 09:13
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-05,07-10 Batch: WG463586-3					
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
Project Number: CJI-1747

Lab Number: L1104882
Report Date: 04/29/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 04/18/11 09:13
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-05,07-10 Batch: WG463586-3					
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
Project Number: CJI-1747

Lab Number: L1104882
Report Date: 04/29/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 04/18/11 09:13
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-05,07-10 Batch: WG463586-3					
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	106		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1104882

Report Date: 04/29/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,06 Batch: WG463477-1 WG463477-2								
Methylene chloride	95		88		74-121	8		20
1,1-Dichloroethane	100		91		73-119	9		20
Chloroform	104		96		75-125	8		20
Carbon tetrachloride	113		104		63-132	8		20
1,2-Dichloropropane	100		92		70-120	8		20
Dibromochloromethane	103		100		63-119	3		20
1,1,2-Trichloroethane	92		94		70-125	2		20
Tetrachloroethene	113		104		70-130	8		20
Chlorobenzene	100		94		75-130	6		25
Trichlorofluoromethane	125		114		62-150	9		20
1,2-Dichloroethane	102		98		71-125	4		20
1,1,1-Trichloroethane	99		92		67-123	7		20
Bromodichloromethane	101		95		67-121	6		20
trans-1,3-Dichloropropene	83		80		75-125	4		20
cis-1,3-Dichloropropene	87		82		75-125	6		20
1,1-Dichloropropene	99		92		72-118	7		20
Bromoform	106		105		54-136	1		20
1,1,2,2-Tetrachloroethane	83		84		67-124	1		20
Benzene	102		93		76-127	9		25
Toluene	96		89		76-125	8		25
Ethylbenzene	106		99		79-118	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1104882

Report Date: 04/29/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,06 Batch: WG463477-1 WG463477-2								
Chloromethane	50	Q	50	Q	64-130	0		20
Bromomethane	42		55		39-139	27	Q	20
Vinyl chloride	106		102		55-140	4		20
Chloroethane	112		100		55-138	11		20
1,1-Dichloroethene	94		86		61-145	9		25
trans-1,2-Dichloroethene	98		88		75-125	11		20
Trichloroethene	105		96		71-120	9		25
1,2-Dichlorobenzene	103		97		75-125	6		20
1,3-Dichlorobenzene	105		96		75-125	9		20
1,4-Dichlorobenzene	107		99		75-125	8		20
Methyl tert butyl ether	76		80		63-112	5		20
p/m-Xylene	111		103		75-125	7		20
o-Xylene	110		104		75-125	6		20
cis-1,2-Dichloroethene	104		96		75-125	8		20
Dibromomethane	105		101		76-126	4		20
1,2,3-Trichloropropane	80		81		64-127	1		20
Styrene	113		107		70-122	5		20
Dichlorodifluoromethane	50		44		36-147	13		20
Acetone	91		94		58-148	3		20
Carbon disulfide	89		78		51-121	13		20
2-Butanone	85		85		63-138	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1104882

Report Date: 04/29/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,06 Batch: WG463477-1 WG463477-2								
4-Methyl-2-pentanone	79		85		59-126	7		20
2-Hexanone	86		92		57-128	7		20
Bromochloromethane	112		106		74-123	6		20
Tetrahydrofuran	90		93		58-123	3		20
2,2-Dichloropropane	105		99		63-133	6		20
1,2-Dibromoethane	86		87		70-119	1		20
1,3-Dichloropropane	91		90		71-122	1		20
1,1,1,2-Tetrachloroethane	108		102		64-125	6		20
Bromobenzene	101		96		75-125	5		20
n-Butylbenzene	108		96		53-136	12		20
sec-Butylbenzene	100		90		70-124	11		20
tert-Butylbenzene	101		91		70-122	10		20
o-Chlorotoluene	97		89		75-125	9		20
p-Chlorotoluene	96		88		75-125	9		20
1,2-Dibromo-3-chloropropane	108		102		41-144	6		20
Hexachlorobutadiene	117		105		63-123	11		20
Isopropylbenzene	98		90		73-122	9		20
p-Isopropyltoluene	110		99		73-127	11		20
Naphthalene	101		107		75-125	6		20
n-Propylbenzene	98		89		69-127	10		20
1,2,3-Trichlorobenzene	120		121		75-125	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1104882

Report Date: 04/29/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,06 Batch: WG463477-1 WG463477-2								
1,2,4-Trichlorobenzene	123		116		75-125	6		20
1,3,5-Trimethylbenzene	105		94		64-121	11		20
1,2,4-Trimethylbenzene	107		96		75-121	11		20
Ethyl ether	82		79		59-134	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		106		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	85		85		70-130
Dibromofluoromethane	108		106		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1104882

Report Date: 04/29/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-05,07-10 Batch: WG463586-1 WG463586-2								
Methylene chloride	93		91		74-121	2		20
1,1-Dichloroethane	96		96		73-119	0		20
Chloroform	99		101		75-125	2		20
Carbon tetrachloride	112		110		63-132	2		20
1,2-Dichloropropane	96		97		70-120	1		20
Dibromochloromethane	105		108		63-119	3		20
1,1,2-Trichloroethane	96		95		70-125	1		20
Tetrachloroethene	109		108		70-130	1		20
Chlorobenzene	99		97		75-130	2		25
Trichlorofluoromethane	119		115		62-150	3		20
1,2-Dichloroethane	101		103		71-125	2		20
1,1,1-Trichloroethane	98		97		67-123	1		20
Bromodichloromethane	101		101		67-121	0		20
trans-1,3-Dichloropropene	84		86		75-125	2		20
cis-1,3-Dichloropropene	86		88		75-125	2		20
1,1-Dichloropropene	95		95		72-118	0		20
Bromoform	111		118		54-136	6		20
1,1,2,2-Tetrachloroethane	87		92		67-124	6		20
Benzene	97		96		76-127	1		25
Toluene	94		93		76-125	1		25
Ethylbenzene	103		102		79-118	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1104882

Report Date: 04/29/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-05,07-10 Batch: WG463586-1 WG463586-2								
Chloromethane	48	Q	53	Q	64-130	10		20
Bromomethane	49		57		39-139	15		20
Vinyl chloride	100		99		55-140	1		20
Chloroethane	106		101		55-138	5		20
1,1-Dichloroethene	90		89		61-145	1		25
trans-1,2-Dichloroethene	94		93		75-125	1		20
Trichloroethene	100		100		71-120	0		25
1,2-Dichlorobenzene	102		103		75-125	1		20
1,3-Dichlorobenzene	101		102		75-125	1		20
1,4-Dichlorobenzene	103		104		75-125	1		20
Methyl tert butyl ether	88		93		63-112	6		20
p/m-Xylene	108		107		75-125	1		20
o-Xylene	110		110		75-125	0		20
cis-1,2-Dichloroethene	102		99		75-125	3		20
Dibromomethane	105		108		76-126	3		20
1,2,3-Trichloropropane	82		88		64-127	7		20
Styrene	113		112		70-122	1		20
Dichlorodifluoromethane	41		40		36-147	2		20
Acetone	97		103		58-148	6		20
Carbon disulfide	100		94		51-121	6		20
2-Butanone	97		94		63-138	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1104882

Report Date: 04/29/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-05,07-10 Batch: WG463586-1 WG463586-2								
4-Methyl-2-pentanone	87		95		59-126	9		20
2-Hexanone	91		101		57-128	10		20
Bromochloromethane	110		114		74-123	4		20
Tetrahydrofuran	98		110		58-123	12		20
2,2-Dichloropropane	105		104		63-133	1		20
1,2-Dibromoethane	88		91		70-119	3		20
1,3-Dichloropropane	93		94		71-122	1		20
1,1,1,2-Tetrachloroethane	108		108		64-125	0		20
Bromobenzene	98		100		75-125	2		20
n-Butylbenzene	103		99		53-136	4		20
sec-Butylbenzene	96		93		70-124	3		20
tert-Butylbenzene	96		96		70-122	0		20
o-Chlorotoluene	92		92		75-125	0		20
p-Chlorotoluene	93		92		75-125	1		20
1,2-Dibromo-3-chloropropane	108		101		41-144	7		20
Hexachlorobutadiene	116		110		63-123	5		20
Isopropylbenzene	94		94		73-122	0		20
p-Isopropyltoluene	107		103		73-127	4		20
Naphthalene	118		118		75-125	0		20
n-Propylbenzene	94		94		69-127	0		20
1,2,3-Trichlorobenzene	138	Q	132	Q	75-125	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1104882

Report Date: 04/29/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-05,07-10 Batch: WG463586-1 WG463586-2								
1,2,4-Trichlorobenzene	130	Q	125		75-125	4		20
1,3,5-Trimethylbenzene	100		99		64-121	1		20
1,2,4-Trimethylbenzene	104		102		75-121	2		20
Ethyl ether	85		95		59-134	11		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		107		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	84		86		70-130
Dibromofluoromethane	108		110		70-130

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1104882
Report Date: 04/29/11

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): 01,06 QC Batch ID: WG463477-4 WG463477-5 QC Sample: L1104882-06 Client ID: MW-12S												
Methylene chloride	ND	10	9.7	97		9.2	92		74-121	5		20
1,1-Dichloroethane	ND	10	10	103		9.5	95		73-119	5		20
Chloroform	ND	10	11	108		10	102		75-125	10		20
Carbon tetrachloride	ND	10	11	106		10	101		63-132	10		20
1,2-Dichloropropane	ND	10	10	102		9.6	97		70-1320	4		20
Dibromochloromethane	ND	10	9.8	98		9.7	97		63-119	1		20
1,1,2-Trichloroethane	ND	10	9.8	98		9.4	94		70-125	4		20
Tetrachloroethene	ND	10	11	110		10	101		70-130	10		20
Chlorobenzene	ND	10	10	101		9.4	94		75-130	6		25
Trichlorofluoromethane	ND	10	13	128		12	116		61-150	8		20
1,2-Dichloroethane	ND	10	11	107		10	104		71-125	10		20
1,1,1-Trichloroethane	ND	10	9.6	96		9.1	92		67-123	5		20
Bromodichloromethane	ND	10	10	100		9.6	96		67-121	4		20
trans-1,3-Dichloropropene	ND	10	7.6	77		7.4	74	Q	75-125	3		20
cis-1,3-Dichloropropene	ND	10	8.2	82		7.9	79		75-125	4		20
1,1-Dichloropropene	ND	10	9.7	97		9.0	90		72-118	7		20
Bromoform	ND	10	10	101		9.8	98		54-136	2		20
1,1,2,2-Tetrachloroethane	ND	10	8.9	89		8.7	87		67-124	2		20
Benzene	ND	10	10	103		9.6	96		76-127	4		25
Toluene	ND	10	9.5	96		8.9	89		76-125	7		25
Ethylbenzene	ND	10	10	103		9.6	96		79-118	4		20

Matrix Spike Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1104882

Report Date: 04/29/11

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): 01,06 QC Batch ID: WG463477-4 WG463477-5 QC Sample: L1104882-06 Client ID: MW-12S												
Chloromethane	ND	10	5.2	52	Q	5.9	59	Q	64-130	13		20
Bromomethane	ND	10	6.2	62		6.9	69		39-139	11		20
Vinyl chloride	ND	10	12	124		11	114		55-140	9		20
Chloroethane	ND	10	11	115		11	107		55-138	0		20
1,1-Dichloroethene	ND	10	9.7	97		8.9	89		61-145	9		25
trans-1,2-Dichloroethene	ND	10	9.6	96		9.2	92		75-125	4		20
Trichloroethene	ND	10	10	102		9.5	95		71-120	5		25
1,2-Dichlorobenzene	ND	10	10	100		9.2	92		75-125	8		20
1,3-Dichlorobenzene	ND	10	9.9	99		9.2	93		75-125	7		20
1,4-Dichlorobenzene	ND	10	10	102		9.4	94		75-125	6		20
Methyl tert butyl ether	ND	10	8.3	83		8.2	82		63-112	1		20
p/m-Xylene	ND	20	21	107		20	99		75-125	5		20
o-Xylene	ND	20	21	106		20	100		75-125	5		20
cis-1,2-Dichloroethene	ND	10	11	109		10	103		75-125	10		20
Dibromomethane	ND	10	11	111		10	105		76-126	10		20
1,2,3-Trichloropropane	ND	10	8.6	86		8.3	83		64-127	4		20
Styrene	ND	20	21	107		20	99		70-122	5		20
Dichlorodifluoromethane	ND	10	ND	0		ND	0		36-147	NC		20
Acetone	ND	10	9.0	90		9.0	90		58-148	0		20
Carbon disulfide	ND	10	8.2	82		7.5	75		51-121	9		20
2-Butanone	ND	10	9.7	97		10	101		63-138	3		20

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1104882
Report Date: 04/29/11

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): 01,06 QC Batch ID: WG463477-4 WG463477-5 QC Sample: L1104882-06 Client ID: MW-12S												
4-Methyl-2-pentanone	ND	10	8.5	85		8.5	85		59-126	0		20
2-Hexanone	ND	10	9.2	92		9.2	92		57-128	0		20
Bromochloromethane	ND	10	12	117		11	110		74-123	9		20
Tetrahydrofuran	ND	10	9.8	98		9.8	98		58-123	0		20
2,2-Dichloropropane	ND	10	8.4	84		8.1	81		63-133	4		20
1,2-Dibromoethane	ND	10	9.2	92		8.8	88		70-119	4		20
1,3-Dichloropropane	ND	10	9.8	98		9.4	94		71-122	4		20
1,1,1,2-Tetrachloroethane	ND	10	10	103		9.8	98		64-125	2		20
Bromobenzene	ND	10	9.9	99		9.3	93		75-125	6		20
n-Butylbenzene	ND	10	9.7	97		9.1	91		53-136	6		20
sec-Butylbenzene	ND	10	9.3	93		8.6	86		70-124	8		20
tert-Butylbenzene	ND	10	9.6	96		8.8	88		70-122	9		20
o-Chlorotoluene	ND	10	9.2	92		8.4	84		75-125	9		20
p-Chlorotoluene	ND	10	9.1	91		8.4	84		75-125	8		20
1,2-Dibromo-3-chloropropane	ND	10	9.2	92		8.7	87		41-144	6		20
Hexachlorobutadiene	ND	10	10	105		9.5	96		63-123	5		20
Isopropylbenzene	ND	10	9.6	96		8.6	86		73-122	11		20
p-Isopropyltoluene	ND	10	10	102		9.5	95		73-127	5		20
Naphthalene	ND	10	11	110		11	111		75-125	0		20
n-Propylbenzene	ND	10	9.3	93		8.6	86		69-127	8		20
1,2,3-Trichlorobenzene	ND	10	12	122		12	119		75-125	0		20

Matrix Spike Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1104882

Report Date: 04/29/11

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): 01,06 QC Batch ID: WG463477-4 WG463477-5 QC Sample: L1104882-06 Client ID: MW-12S												
1,2,4-Trichlorobenzene	ND	10	11	115		11	112		75-125	0		20
1,3,5-Trimethylbenzene	ND	10	9.9	99		9.0	90		64-121	10		20
1,2,4-Trimethylbenzene	ND	10	9.9	100		9.2	92		75-121	7		20
Ethyl ether	ND	10	8.9	90		8.6	86		59-134	3		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		106		70-130
4-Bromofluorobenzene	87		85		70-130
Dibromofluoromethane	108		108		70-130
Toluene-d8	100		99		70-130

SEMIVOLATILES

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104882
Project Number:	CJI-1747	Report Date:	04/29/11

SAMPLE RESULTS

Lab ID:	L1104882-01	Date Collected:	04/12/11 08:15
Client ID:	MW-4DO	Date Received:	04/12/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/16/11 05:56
Analytical Date:	04/28/11 07:25		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	5.0	--	1
Benzidine	ND		ug/l	50	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	5.0	--	1
2-Chloronaphthalene	ND		ug/l	6.0	--	1
1,2-Dichlorobenzene	ND		ug/l	5.0	--	1
1,3-Dichlorobenzene	ND		ug/l	5.0	--	1
1,4-Dichlorobenzene	ND		ug/l	5.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	50	--	1
2,4-Dinitrotoluene	ND		ug/l	6.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	5.0	--	1
Fluoranthene	ND		ug/l	5.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	5.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	5.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	5.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	30	--	1
Hexachloroethane	ND		ug/l	5.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	5.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	5.0	--	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	5.0	--	1

Project Name: ROSE HILL LANDFILL
Lab Number: L1104882
Project Number: CJI-1747
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-01
Client ID: MW-4DO
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/12/11 08:15
Date Received: 04/12/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	5.0	--	1
Anthracene	ND		ug/l	5.0	--	1
Benzo(ghi)perylene	ND		ug/l	5.0	--	1
Fluorene	ND		ug/l	5.0	--	1
Phenanthrene	ND		ug/l	5.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	5.0	--	1
Pyrene	ND		ug/l	5.0	--	1
Aniline	ND		ug/l	20	--	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	7.0	--	1
Dibenzofuran	ND		ug/l	5.0	--	1
2-Methylnaphthalene	ND		ug/l	5.0	--	1
n-Nitrosodimethylamine	ND		ug/l	50	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	5.0	--	1
2-Chlorophenol	ND		ug/l	6.0	--	1
2,4-Dichlorophenol	ND		ug/l	10	--	1
2,4-Dimethylphenol	ND		ug/l	10	--	1
2-Nitrophenol	ND		ug/l	20	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	30	--	1
4,6-Dinitro-o-cresol	ND		ug/l	20	--	1
Phenol	ND		ug/l	7.0	--	1
2-Methylphenol	ND		ug/l	6.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	6.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	10	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	51		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	98		41-149

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104882
Project Number:	CJI-1747	Report Date:	04/29/11

SAMPLE RESULTS

Lab ID:	L1104882-01	Date Collected:	04/12/11 08:15
Client ID:	MW-4DO	Date Received:	04/12/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/16/11 06:01
Analytical Date:	04/20/11 15:19		
Analyst:	HL		

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	33		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	88		41-149

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104882
Project Number:	CJI-1747	Report Date:	04/29/11

SAMPLE RESULTS

Lab ID:	L1104882-02	Date Collected:	04/12/11 09:22
Client ID:	MW-4S	Date Received:	04/12/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/16/11 05:56
Analytical Date:	04/28/11 07:49		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	5.0	--	1
Benzidine	ND		ug/l	50	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	5.0	--	1
2-Chloronaphthalene	ND		ug/l	6.0	--	1
1,2-Dichlorobenzene	ND		ug/l	5.0	--	1
1,3-Dichlorobenzene	ND		ug/l	5.0	--	1
1,4-Dichlorobenzene	ND		ug/l	5.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	50	--	1
2,4-Dinitrotoluene	ND		ug/l	6.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	5.0	--	1
Fluoranthene	ND		ug/l	5.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	5.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	5.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	5.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	30	--	1
Hexachloroethane	ND		ug/l	5.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	5.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	5.0	--	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	5.0	--	1

Project Name: ROSE HILL LANDFILL
Lab Number: L1104882
Project Number: CJI-1747
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-02
Client ID: MW-4S
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/12/11 09:22
Date Received: 04/12/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	5.0	--	1
Anthracene	ND		ug/l	5.0	--	1
Benzo(ghi)perylene	ND		ug/l	5.0	--	1
Fluorene	ND		ug/l	5.0	--	1
Phenanthrene	ND		ug/l	5.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	5.0	--	1
Pyrene	ND		ug/l	5.0	--	1
Aniline	ND		ug/l	20	--	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	7.0	--	1
Dibenzofuran	ND		ug/l	5.0	--	1
2-Methylnaphthalene	ND		ug/l	5.0	--	1
n-Nitrosodimethylamine	ND		ug/l	50	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	5.0	--	1
2-Chlorophenol	ND		ug/l	6.0	--	1
2,4-Dichlorophenol	ND		ug/l	10	--	1
2,4-Dimethylphenol	ND		ug/l	10	--	1
2-Nitrophenol	ND		ug/l	20	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	30	--	1
4,6-Dinitro-o-cresol	ND		ug/l	20	--	1
Phenol	ND		ug/l	7.0	--	1
2-Methylphenol	ND		ug/l	6.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	6.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	10	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	31		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	44		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	47		10-120
4-Terphenyl-d14	96		41-149

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104882
Project Number:	CJI-1747	Report Date:	04/29/11

SAMPLE RESULTS

Lab ID:	L1104882-02	Date Collected:	04/12/11 09:22
Client ID:	MW-4S	Date Received:	04/12/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/16/11 06:01
Analytical Date:	04/20/11 15:51		
Analyst:	HL		

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	31		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	85		41-149

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104882
Project Number:	CJI-1747	Report Date:	04/29/11

SAMPLE RESULTS

Lab ID:	L1104882-03	Date Collected:	04/12/11 10:15
Client ID:	MW-3BR	Date Received:	04/12/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/16/11 05:56
Analytical Date:	04/28/11 08:12		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	5.0	--	1
Benzidine	ND		ug/l	50	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	5.0	--	1
2-Chloronaphthalene	ND		ug/l	6.0	--	1
1,2-Dichlorobenzene	ND		ug/l	5.0	--	1
1,3-Dichlorobenzene	ND		ug/l	5.0	--	1
1,4-Dichlorobenzene	ND		ug/l	5.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	50	--	1
2,4-Dinitrotoluene	ND		ug/l	6.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	5.0	--	1
Fluoranthene	ND		ug/l	5.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	5.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	5.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	5.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	30	--	1
Hexachloroethane	ND		ug/l	5.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	5.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	5.0	--	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	5.0	--	1

Project Name: ROSE HILL LANDFILL
Lab Number: L1104882
Project Number: CJI-1747
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-03
Client ID: MW-3BR
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/12/11 10:15
Date Received: 04/12/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	5.0	--	1
Anthracene	ND		ug/l	5.0	--	1
Benzo(ghi)perylene	ND		ug/l	5.0	--	1
Fluorene	ND		ug/l	5.0	--	1
Phenanthrene	ND		ug/l	5.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	5.0	--	1
Pyrene	ND		ug/l	5.0	--	1
Aniline	ND		ug/l	20	--	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	7.0	--	1
Dibenzofuran	ND		ug/l	5.0	--	1
2-Methylnaphthalene	ND		ug/l	5.0	--	1
n-Nitrosodimethylamine	ND		ug/l	50	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	5.0	--	1
2-Chlorophenol	ND		ug/l	6.0	--	1
2,4-Dichlorophenol	ND		ug/l	10	--	1
2,4-Dimethylphenol	ND		ug/l	10	--	1
2-Nitrophenol	ND		ug/l	20	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	30	--	1
4,6-Dinitro-o-cresol	ND		ug/l	20	--	1
Phenol	ND		ug/l	7.0	--	1
2-Methylphenol	ND		ug/l	6.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	6.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	10	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	85		15-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	114		41-149

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104882
Project Number:	CJI-1747	Report Date:	04/29/11

SAMPLE RESULTS

Lab ID:	L1104882-03	Date Collected:	04/12/11 10:15
Client ID:	MW-3BR	Date Received:	04/12/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/16/11 06:01
Analytical Date:	04/20/11 16:23		
Analyst:	HL		

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	36		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	93		10-120
4-Terphenyl-d14	100		41-149

Project Name: ROSE HILL LANDFILL
Lab Number: L1104882
Project Number: CJI-1747
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-04
Client ID: DUP (MW-3BR)
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water
Analytical Method: 1,8270C
Analytical Date: 04/28/11 08:36
Analyst: JB

Date Collected: 04/12/11 10:15
Date Received: 04/12/11
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/16/11 05:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	5.0	--	1
Benzidine	ND		ug/l	50	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	5.0	--	1
2-Chloronaphthalene	ND		ug/l	6.0	--	1
1,2-Dichlorobenzene	ND		ug/l	5.0	--	1
1,3-Dichlorobenzene	ND		ug/l	5.0	--	1
1,4-Dichlorobenzene	ND		ug/l	5.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	50	--	1
2,4-Dinitrotoluene	ND		ug/l	6.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	5.0	--	1
Fluoranthene	ND		ug/l	5.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	5.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	5.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	5.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	30	--	1
Hexachloroethane	ND		ug/l	5.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	5.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	5.0	--	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	5.0	--	1

Project Name: ROSE HILL LANDFILL
Lab Number: L1104882
Project Number: CJI-1747
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-04
Client ID: DUP (MW-3BR)
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/12/11 10:15
Date Received: 04/12/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	5.0	--	1
Anthracene	ND		ug/l	5.0	--	1
Benzo(ghi)perylene	ND		ug/l	5.0	--	1
Fluorene	ND		ug/l	5.0	--	1
Phenanthrene	ND		ug/l	5.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	5.0	--	1
Pyrene	ND		ug/l	5.0	--	1
Aniline	ND		ug/l	20	--	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	7.0	--	1
Dibenzofuran	ND		ug/l	5.0	--	1
2-Methylnaphthalene	ND		ug/l	5.0	--	1
n-Nitrosodimethylamine	ND		ug/l	50	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	5.0	--	1
2-Chlorophenol	ND		ug/l	6.0	--	1
2,4-Dichlorophenol	ND		ug/l	10	--	1
2,4-Dimethylphenol	ND		ug/l	10	--	1
2-Nitrophenol	ND		ug/l	20	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	30	--	1
4,6-Dinitro-o-cresol	ND		ug/l	20	--	1
Phenol	ND		ug/l	7.0	--	1
2-Methylphenol	ND		ug/l	6.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	6.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	10	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	121		41-149

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104882
Project Number:	CJI-1747	Report Date:	04/29/11

SAMPLE RESULTS

Lab ID:	L1104882-04	Date Collected:	04/12/11 10:15
Client ID:	DUP (MW-3BR)	Date Received:	04/12/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/16/11 05:50
Analytical Date:	04/20/11 12:06		
Analyst:	HL		

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	36		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	98		10-120
4-Terphenyl-d14	102		41-149

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104882
Project Number:	CJI-1747	Report Date:	04/29/11

SAMPLE RESULTS

Lab ID:	L1104882-05	Date Collected:	04/12/11 10:51
Client ID:	MW-3S	Date Received:	04/13/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/16/11 05:45
Analytical Date:	04/28/11 09:00		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	5.0	--	1
Benzidine	ND		ug/l	50	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	5.0	--	1
2-Chloronaphthalene	ND		ug/l	6.0	--	1
1,2-Dichlorobenzene	ND		ug/l	5.0	--	1
1,3-Dichlorobenzene	ND		ug/l	5.0	--	1
1,4-Dichlorobenzene	ND		ug/l	5.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	50	--	1
2,4-Dinitrotoluene	ND		ug/l	6.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	5.0	--	1
Fluoranthene	ND		ug/l	5.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	5.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	5.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	5.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	30	--	1
Hexachloroethane	ND		ug/l	5.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	5.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	5.0	--	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	5.0	--	1

Project Name: ROSE HILL LANDFILL
Lab Number: L1104882
Project Number: CJI-1747
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-05
Client ID: MW-3S
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/12/11 10:51
Date Received: 04/13/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	5.0	--	1
Anthracene	ND		ug/l	5.0	--	1
Benzo(ghi)perylene	ND		ug/l	5.0	--	1
Fluorene	ND		ug/l	5.0	--	1
Phenanthrene	ND		ug/l	5.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	5.0	--	1
Pyrene	ND		ug/l	5.0	--	1
Aniline	ND		ug/l	20	--	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	7.0	--	1
Dibenzofuran	ND		ug/l	5.0	--	1
2-Methylnaphthalene	ND		ug/l	5.0	--	1
n-Nitrosodimethylamine	ND		ug/l	50	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	5.0	--	1
2-Chlorophenol	ND		ug/l	6.0	--	1
2,4-Dichlorophenol	ND		ug/l	10	--	1
2,4-Dimethylphenol	ND		ug/l	10	--	1
2-Nitrophenol	ND		ug/l	20	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	30	--	1
4,6-Dinitro-o-cresol	ND		ug/l	20	--	1
Phenol	ND		ug/l	7.0	--	1
2-Methylphenol	ND		ug/l	6.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	6.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	10	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	44		23-120
2-Fluorobiphenyl	60		15-120
2,4,6-Tribromophenol	61		10-120
4-Terphenyl-d14	86		41-149

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104882
Project Number:	CJI-1747	Report Date:	04/29/11

SAMPLE RESULTS

Lab ID:	L1104882-05	Date Collected:	04/12/11 10:51
Client ID:	MW-3S	Date Received:	04/13/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/16/11 05:50
Analytical Date:	04/20/11 12:38		
Analyst:	HL		

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	59		23-120
2-Fluorobiphenyl	56		15-120
2,4,6-Tribromophenol	65		10-120
4-Terphenyl-d14	76		41-149

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1104882
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-06
Client ID: MW-12S
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water
Analytical Method: 1,8270C
Analytical Date: 04/28/11 09:24
Analyst: JB

Date Collected: 04/12/11 11:32
Date Received: 04/13/11
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/16/11 05:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	5.0	--	1
Benzidine	ND		ug/l	50	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	5.0	--	1
2-Chloronaphthalene	ND		ug/l	6.0	--	1
1,2-Dichlorobenzene	ND		ug/l	5.0	--	1
1,3-Dichlorobenzene	ND		ug/l	5.0	--	1
1,4-Dichlorobenzene	ND		ug/l	5.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	50	--	1
2,4-Dinitrotoluene	ND		ug/l	6.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	5.0	--	1
Fluoranthene	ND		ug/l	5.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	5.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	5.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	5.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	30	--	1
Hexachloroethane	ND		ug/l	5.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	5.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	5.0	--	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	5.0	--	1

Project Name: ROSE HILL LANDFILL
Lab Number: L1104882
Project Number: CJI-1747
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-06
Client ID: MW-12S
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/12/11 11:32
Date Received: 04/13/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	5.0	--	1
Anthracene	ND		ug/l	5.0	--	1
Benzo(ghi)perylene	ND		ug/l	5.0	--	1
Fluorene	ND		ug/l	5.0	--	1
Phenanthrene	ND		ug/l	5.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	5.0	--	1
Pyrene	ND		ug/l	5.0	--	1
Aniline	ND		ug/l	20	--	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	7.0	--	1
Dibenzofuran	ND		ug/l	5.0	--	1
2-Methylnaphthalene	ND		ug/l	5.0	--	1
n-Nitrosodimethylamine	ND		ug/l	50	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	5.0	--	1
2-Chlorophenol	ND		ug/l	6.0	--	1
2,4-Dichlorophenol	ND		ug/l	10	--	1
2,4-Dimethylphenol	ND		ug/l	10	--	1
2-Nitrophenol	ND		ug/l	20	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	30	--	1
4,6-Dinitro-o-cresol	ND		ug/l	20	--	1
Phenol	ND		ug/l	7.0	--	1
2-Methylphenol	ND		ug/l	6.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	6.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	10	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		21-120
Phenol-d6	22		10-120
Nitrobenzene-d5	44		23-120
2-Fluorobiphenyl	61		15-120
2,4,6-Tribromophenol	62		10-120
4-Terphenyl-d14	97		41-149

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104882
Project Number:	CJI-1747	Report Date:	04/29/11

SAMPLE RESULTS

Lab ID:	L1104882-06	Date Collected:	04/12/11 11:32
Client ID:	MW-12S	Date Received:	04/13/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/16/11 05:50
Analytical Date:	04/20/11 13:10		
Analyst:	HL		

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	24		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	85		10-120
4-Terphenyl-d14	93		41-149

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1104882
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-07
Client ID: MW-12DO
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water
Analytical Method: 1,8270C
Analytical Date: 04/28/11 09:47
Analyst: JB

Date Collected: 04/12/11 12:16
Date Received: 04/13/11
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/16/11 05:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	5.0	--	1
Benzidine	ND		ug/l	50	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	5.0	--	1
2-Chloronaphthalene	ND		ug/l	6.0	--	1
1,2-Dichlorobenzene	ND		ug/l	5.0	--	1
1,3-Dichlorobenzene	ND		ug/l	5.0	--	1
1,4-Dichlorobenzene	ND		ug/l	5.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	50	--	1
2,4-Dinitrotoluene	ND		ug/l	6.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	5.0	--	1
Fluoranthene	ND		ug/l	5.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	5.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	5.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	5.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	30	--	1
Hexachloroethane	ND		ug/l	5.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	5.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	5.0	--	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	5.0	--	1

Project Name: ROSE HILL LANDFILL
Lab Number: L1104882
Project Number: CJI-1747
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-07
Client ID: MW-12DO
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/12/11 12:16
Date Received: 04/13/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	5.0	--	1
Anthracene	ND		ug/l	5.0	--	1
Benzo(ghi)perylene	ND		ug/l	5.0	--	1
Fluorene	ND		ug/l	5.0	--	1
Phenanthrene	ND		ug/l	5.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	5.0	--	1
Pyrene	ND		ug/l	5.0	--	1
Aniline	ND		ug/l	20	--	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	7.0	--	1
Dibenzofuran	ND		ug/l	5.0	--	1
2-Methylnaphthalene	ND		ug/l	5.0	--	1
n-Nitrosodimethylamine	ND		ug/l	50	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	5.0	--	1
2-Chlorophenol	ND		ug/l	6.0	--	1
2,4-Dichlorophenol	ND		ug/l	10	--	1
2,4-Dimethylphenol	ND		ug/l	10	--	1
2-Nitrophenol	ND		ug/l	20	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	30	--	1
4,6-Dinitro-o-cresol	ND		ug/l	20	--	1
Phenol	ND		ug/l	7.0	--	1
2-Methylphenol	ND		ug/l	6.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	6.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	10	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	1	Q	21-120
Phenol-d6	0	Q	10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	3	Q	10-120
4-Terphenyl-d14	113		41-149

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104882
Project Number:	CJI-1747	Report Date:	04/29/11

SAMPLE RESULTS

Lab ID:	L1104882-07	Date Collected:	04/12/11 12:16
Client ID:	MW-12DO	Date Received:	04/13/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/16/11 05:50
Analytical Date:	04/20/11 13:42		
Analyst:	HL		

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	2	Q	21-120
Phenol-d6	0	Q	10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	5	Q	10-120
4-Terphenyl-d14	98		41-149

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

Lab Number: L1104882
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-07 RE
Client ID: MW-12DO
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water
Analytical Method: 1,8270C
Analytical Date: 04/28/11 11:46
Analyst: JB

Date Collected: 04/12/11 12:16
Date Received: 04/13/11
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/21/11 18:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	5.0	--	1
Benzidine	ND		ug/l	50	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	5.0	--	1
2-Chloronaphthalene	ND		ug/l	6.0	--	1
1,2-Dichlorobenzene	ND		ug/l	5.0	--	1
1,3-Dichlorobenzene	ND		ug/l	5.0	--	1
1,4-Dichlorobenzene	ND		ug/l	5.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	50	--	1
2,4-Dinitrotoluene	ND		ug/l	6.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	5.0	--	1
Fluoranthene	ND		ug/l	5.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	5.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	5.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	5.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	30	--	1
Hexachloroethane	ND		ug/l	5.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	5.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	5.0	--	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	5.0	--	1

Project Name: ROSE HILL LANDFILL
Lab Number: L1104882
Project Number: CJI-1747
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-07 RE
Client ID: MW-12DO
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/12/11 12:16
Date Received: 04/13/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	5.0	--	1
Anthracene	ND		ug/l	5.0	--	1
Benzo(ghi)perylene	ND		ug/l	5.0	--	1
Fluorene	ND		ug/l	5.0	--	1
Phenanthrene	ND		ug/l	5.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	5.0	--	1
Pyrene	ND		ug/l	5.0	--	1
Aniline	ND		ug/l	20	--	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	7.0	--	1
Dibenzofuran	ND		ug/l	5.0	--	1
2-Methylnaphthalene	ND		ug/l	5.0	--	1
n-Nitrosodimethylamine	ND		ug/l	50	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	5.0	--	1
2-Chlorophenol	ND		ug/l	6.0	--	1
2,4-Dichlorophenol	ND		ug/l	10	--	1
2,4-Dimethylphenol	ND		ug/l	10	--	1
2-Nitrophenol	ND		ug/l	20	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	30	--	1
4,6-Dinitro-o-cresol	ND		ug/l	20	--	1
Phenol	ND		ug/l	7.0	--	1
2-Methylphenol	ND		ug/l	6.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	6.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	10	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	12	Q	21-120
Phenol-d6	3	Q	10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	95		15-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	125		41-149

Project Name: ROSE HILL LANDFILL
Lab Number: L1104882
Project Number: CJI-1747
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-07 RE
Client ID: MW-12DO
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water
Analytical Method: 1,8270C-SIM
Analytical Date: 04/22/11 16:16
Analyst: HL

Date Collected: 04/12/11 12:16
Date Received: 04/13/11
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/21/11 21:30

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	14	Q	21-120
Phenol-d6	3	Q	10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	94		15-120
2,4,6-Tribromophenol	115		10-120
4-Terphenyl-d14	142		41-149

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104882
Project Number:	CJI-1747	Report Date:	04/29/11

SAMPLE RESULTS

Lab ID:	L1104882-08	Date Collected:	04/12/11 13:42
Client ID:	MW-13S	Date Received:	04/13/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/16/11 05:45
Analytical Date:	04/28/11 10:11		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	5.0	--	1
Benzidine	ND		ug/l	50	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	5.0	--	1
2-Chloronaphthalene	ND		ug/l	6.0	--	1
1,2-Dichlorobenzene	ND		ug/l	5.0	--	1
1,3-Dichlorobenzene	ND		ug/l	5.0	--	1
1,4-Dichlorobenzene	ND		ug/l	5.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	50	--	1
2,4-Dinitrotoluene	ND		ug/l	6.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	5.0	--	1
Fluoranthene	ND		ug/l	5.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	5.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	5.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	5.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	30	--	1
Hexachloroethane	ND		ug/l	5.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	5.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	5.0	--	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	5.0	--	1

Project Name: ROSE HILL LANDFILL
Lab Number: L1104882
Project Number: CJI-1747
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-08
Client ID: MW-13S
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/12/11 13:42
Date Received: 04/13/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	5.0	--	1
Anthracene	ND		ug/l	5.0	--	1
Benzo(ghi)perylene	ND		ug/l	5.0	--	1
Fluorene	ND		ug/l	5.0	--	1
Phenanthrene	ND		ug/l	5.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	5.0	--	1
Pyrene	ND		ug/l	5.0	--	1
Aniline	ND		ug/l	20	--	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	7.0	--	1
Dibenzofuran	ND		ug/l	5.0	--	1
2-Methylnaphthalene	ND		ug/l	5.0	--	1
n-Nitrosodimethylamine	ND		ug/l	50	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	5.0	--	1
2-Chlorophenol	ND		ug/l	6.0	--	1
2,4-Dichlorophenol	ND		ug/l	10	--	1
2,4-Dimethylphenol	ND		ug/l	10	--	1
2-Nitrophenol	ND		ug/l	20	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	30	--	1
4,6-Dinitro-o-cresol	ND		ug/l	20	--	1
Phenol	ND		ug/l	7.0	--	1
2-Methylphenol	ND		ug/l	6.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	6.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	10	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	49		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	63		10-120
4-Terphenyl-d14	96		41-149

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104882
Project Number:	CJI-1747	Report Date:	04/29/11

SAMPLE RESULTS

Lab ID:	L1104882-08	Date Collected:	04/12/11 13:42
Client ID:	MW-13S	Date Received:	04/13/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/16/11 05:50
Analytical Date:	04/20/11 14:14		
Analyst:	HL		

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	49		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	93		41-149

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

Lab Number: L1104882
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-09
Client ID: FIELD BLANK
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water
Analytical Method: 1,8270C
Analytical Date: 04/28/11 10:34
Analyst: JB

Date Collected: 04/12/11 13:50
Date Received: 04/12/11
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/16/11 05:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	5.0	--	1
Benzidine	ND		ug/l	50	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	5.0	--	1
2-Chloronaphthalene	ND		ug/l	6.0	--	1
1,2-Dichlorobenzene	ND		ug/l	5.0	--	1
1,3-Dichlorobenzene	ND		ug/l	5.0	--	1
1,4-Dichlorobenzene	ND		ug/l	5.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	50	--	1
2,4-Dinitrotoluene	ND		ug/l	6.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	5.0	--	1
Fluoranthene	ND		ug/l	5.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	5.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	5.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	5.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	30	--	1
Hexachloroethane	ND		ug/l	5.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	5.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	5.0	--	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	5.0	--	1

Project Name: ROSE HILL LANDFILL
Lab Number: L1104882
Project Number: CJI-1747
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-09
Date Collected: 04/12/11 13:50
Client ID: FIELD BLANK
Date Received: 04/12/11
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	5.0	--	1
Anthracene	ND		ug/l	5.0	--	1
Benzo(ghi)perylene	ND		ug/l	5.0	--	1
Fluorene	ND		ug/l	5.0	--	1
Phenanthrene	ND		ug/l	5.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	5.0	--	1
Pyrene	ND		ug/l	5.0	--	1
Aniline	ND		ug/l	20	--	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	7.0	--	1
Dibenzofuran	ND		ug/l	5.0	--	1
2-Methylnaphthalene	ND		ug/l	5.0	--	1
n-Nitrosodimethylamine	ND		ug/l	50	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	5.0	--	1
2-Chlorophenol	ND		ug/l	6.0	--	1
2,4-Dichlorophenol	ND		ug/l	10	--	1
2,4-Dimethylphenol	ND		ug/l	10	--	1
2-Nitrophenol	ND		ug/l	20	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	30	--	1
4,6-Dinitro-o-cresol	ND		ug/l	20	--	1
Phenol	ND		ug/l	7.0	--	1
2-Methylphenol	ND		ug/l	6.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	6.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	10	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	48		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	111		41-149

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104882
Project Number:	CJI-1747	Report Date:	04/29/11

SAMPLE RESULTS

Lab ID:	L1104882-09	Date Collected:	04/12/11 13:50
Client ID:	FIELD BLANK	Date Received:	04/12/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	04/16/11 05:50
Analytical Date:	04/20/11 14:47		
Analyst:	HL		

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	33		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	95		10-120
4-Terphenyl-d14	94		41-149

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

Lab Number: L1104882
Report Date: 04/29/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 04/27/11 20:24
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 04/16/11 05:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-09 Batch: WG463359-1					
Acenaphthene	ND		ug/l	5.0	--
Benzidine	ND		ug/l	50	--
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--
Bis(2-chloroethyl)ether	ND		ug/l	5.0	--
2-Chloronaphthalene	ND		ug/l	6.0	--
1,2-Dichlorobenzene	ND		ug/l	5.0	--
1,3-Dichlorobenzene	ND		ug/l	5.0	--
1,4-Dichlorobenzene	ND		ug/l	5.0	--
3,3'-Dichlorobenzidine	ND		ug/l	50	--
2,4-Dinitrotoluene	ND		ug/l	6.0	--
2,6-Dinitrotoluene	ND		ug/l	5.0	--
Azobenzene	ND		ug/l	5.0	--
Fluoranthene	ND		ug/l	5.0	--
4-Chlorophenyl phenyl ether	ND		ug/l	5.0	--
4-Bromophenyl phenyl ether	ND		ug/l	5.0	--
Bis(2-chloroisopropyl)ether	ND		ug/l	5.0	--
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--
Hexachlorocyclopentadiene	ND		ug/l	30	--
Hexachloroethane	ND		ug/l	5.0	--
Isophorone	ND		ug/l	5.0	--
Naphthalene	ND		ug/l	5.0	--
Nitrobenzene	ND		ug/l	5.0	--
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--
Bis(2-Ethylhexyl)phthalate	ND		ug/l	5.0	--
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	5.0	--

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

Lab Number: L1104882
Report Date: 04/29/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 04/27/11 20:24
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 04/16/11 05:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-09 Batch: WG463359-1					
Acenaphthylene	ND		ug/l	5.0	--
Anthracene	ND		ug/l	5.0	--
Benzo(ghi)perylene	ND		ug/l	5.0	--
Fluorene	ND		ug/l	5.0	--
Phenanthrene	ND		ug/l	5.0	--
Dibenzo(a,h)anthracene	ND		ug/l	5.0	--
Pyrene	ND		ug/l	5.0	--
Aniline	ND		ug/l	20	--
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	7.0	--
Dibenzofuran	ND		ug/l	5.0	--
2-Methylnaphthalene	ND		ug/l	5.0	--
n-Nitrosodimethylamine	ND		ug/l	50	--
2,4,6-Trichlorophenol	ND		ug/l	5.0	--
P-Chloro-M-Cresol	ND		ug/l	5.0	--
2-Chlorophenol	ND		ug/l	6.0	--
2,4-Dichlorophenol	ND		ug/l	10	--
2,4-Dimethylphenol	ND		ug/l	10	--
2-Nitrophenol	ND		ug/l	20	--
4-Nitrophenol	ND		ug/l	10	--
2,4-Dinitrophenol	ND		ug/l	30	--
4,6-Dinitro-o-cresol	ND		ug/l	20	--
Phenol	ND		ug/l	7.0	--
2-Methylphenol	ND		ug/l	6.0	--
3-Methylphenol/4-Methylphenol	ND		ug/l	6.0	--
2,4,5-Trichlorophenol	ND		ug/l	5.0	--
Benzyl Alcohol	ND		ug/l	10	--

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

Lab Number: L1104882
Report Date: 04/29/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 04/27/11 20:24
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 04/16/11 05:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-09 Batch: WG463359-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	116		41-149

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

Lab Number: L1104882
Report Date: 04/29/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C-SIM
Analytical Date: 04/20/11 09:23
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 04/16/11 05:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 04-06,08-09 Batch: WG463360-1					
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	51		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	91		10-120
4-Terphenyl-d14	102		41-149

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

Lab Number: L1104882
Report Date: 04/29/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C-SIM
Analytical Date: 04/22/11 13:37
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 04/21/11 11:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 07 Batch: WG464031-1					
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	61		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	101		23-120
2-Fluorobiphenyl	103		15-120
2,4,6-Tribromophenol	132	Q	10-120
4-Terphenyl-d14	132		41-149

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

Lab Number: L1104882
Report Date: 04/29/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 04/18/11 11:34
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 04/16/11 01:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG465330-1					
Acenaphthene	ND		ug/l	5.0	--
Benzidine	ND		ug/l	50	--
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--
Bis(2-chloroethyl)ether	ND		ug/l	5.0	--
2-Chloronaphthalene	ND		ug/l	6.0	--
1,2-Dichlorobenzene	ND		ug/l	5.0	--
1,3-Dichlorobenzene	ND		ug/l	5.0	--
1,4-Dichlorobenzene	ND		ug/l	5.0	--
3,3'-Dichlorobenzidine	ND		ug/l	50	--
2,4-Dinitrotoluene	ND		ug/l	6.0	--
2,6-Dinitrotoluene	ND		ug/l	5.0	--
Azobenzene	ND		ug/l	5.0	--
Fluoranthene	ND		ug/l	5.0	--
4-Chlorophenyl phenyl ether	ND		ug/l	5.0	--
4-Bromophenyl phenyl ether	ND		ug/l	5.0	--
Bis(2-chloroisopropyl)ether	ND		ug/l	5.0	--
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--
Hexachlorocyclopentadiene	ND		ug/l	30	--
Hexachloroethane	ND		ug/l	5.0	--
Isophorone	ND		ug/l	5.0	--
Naphthalene	ND		ug/l	5.0	--
Nitrobenzene	ND		ug/l	5.0	--
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--
Bis(2-Ethylhexyl)phthalate	ND		ug/l	5.0	--
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	5.0	--

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

Lab Number: L1104882
Report Date: 04/29/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 04/18/11 11:34
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 04/16/11 01:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG465330-1					
Acenaphthylene	ND		ug/l	5.0	--
Anthracene	ND		ug/l	5.0	--
Benzo(ghi)perylene	ND		ug/l	5.0	--
Fluorene	ND		ug/l	5.0	--
Phenanthrene	ND		ug/l	5.0	--
Dibenzo(a,h)anthracene	ND		ug/l	5.0	--
Pyrene	ND		ug/l	5.0	--
Aniline	ND		ug/l	20	--
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	7.0	--
Dibenzofuran	ND		ug/l	5.0	--
2-Methylnaphthalene	ND		ug/l	5.0	--
n-Nitrosodimethylamine	ND		ug/l	50	--
2,4,6-Trichlorophenol	ND		ug/l	5.0	--
P-Chloro-M-Cresol	ND		ug/l	5.0	--
2-Chlorophenol	ND		ug/l	6.0	--
2,4-Dichlorophenol	ND		ug/l	10	--
2,4-Dimethylphenol	ND		ug/l	10	--
2-Nitrophenol	ND		ug/l	20	--
4-Nitrophenol	ND		ug/l	10	--
2,4-Dinitrophenol	ND		ug/l	30	--
4,6-Dinitro-o-cresol	ND		ug/l	20	--
Phenol	ND		ug/l	7.0	--
2-Methylphenol	ND		ug/l	6.0	--
3-Methylphenol/4-Methylphenol	ND		ug/l	6.0	--
2,4,5-Trichlorophenol	ND		ug/l	5.0	--
Benzyl Alcohol	ND		ug/l	10	--

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

Lab Number: L1104882
Report Date: 04/29/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 04/18/11 11:34
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 04/16/11 01:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG465330-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	108		10-120
4-Terphenyl-d14	125		41-149

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

Lab Number: L1104882
Report Date: 04/29/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C-SIM
Analytical Date: 04/29/11 09:12
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 04/16/11 01:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03 Batch: WG465331-1					
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	58		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	109		10-120
4-Terphenyl-d14	119		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1104882

Report Date: 04/29/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-09 Batch: WG463359-2 WG463359-3								
Acenaphthene	84		91		37-111	8		30
1,2,4-Trichlorobenzene	55		67		39-98	20		30
1,4-Dichlorobenzene	50		60		36-97	18		30
2,4-Dinitrotoluene	110	Q	113	Q	24-96	3		30
n-Nitrosodi-n-propylamine	87		105		41-116	19		30
Pyrene	106		104		26-127	2		30
P-Chloro-M-Cresol	97		106	Q	23-97	9		30
2-Chlorophenol	71		89		27-123	23		30
4-Nitrophenol	66		64		10-80	3		30
Pentachlorophenol	99		100		9-103	1		30
Phenol	39		46		12-110	16		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	49		59		21-120
Phenol-d6	37		42		10-120
Nitrobenzene-d5	67		84		23-120
2-Fluorobiphenyl	81		91		15-120
2,4,6-Tribromophenol	97		92		10-120
4-Terphenyl-d14	113		103		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1104882

Report Date: 04/29/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 04-06,08-09 Batch: WG463360-2 WG463360-3								
Pentachlorophenol	121	Q	98		9-103	21		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	48		44		21-120
Phenol-d6	35		32		10-120
Nitrobenzene-d5	79		72		23-120
2-Fluorobiphenyl	71		63		15-120
2,4,6-Tribromophenol	87		88		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: L1104882

Report Date: 04/29/11

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: WG464031-3 WG464031-2								
Pentachlorophenol	109	Q	93		9-103	16		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	69		53		21-120
Phenol-d6	46		37		10-120
Nitrobenzene-d5	96		90		23-120
2-Fluorobiphenyl	114		90		15-120
2,4,6-Tribromophenol	141	Q	117		10-120
4-Terphenyl-d14	139		111		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1104882

Report Date: 04/29/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG465330-2 WG465330-3								
Acenaphthene	94		94		37-111	0		30
1,2,4-Trichlorobenzene	60		61		39-98	2		30
1,4-Dichlorobenzene	55		57		36-97	4		30
2,4-Dinitrotoluene	120	Q	118	Q	24-96	2		30
n-Nitrosodi-n-propylamine	88		85		41-116	3		30
Pyrene	117		119		26-127	2		30
P-Chloro-M-Cresol	113	Q	112	Q	23-97	1		30
2-Chlorophenol	85		82		27-123	4		30
4-Nitrophenol	71		66		10-80	7		30
Pentachlorophenol	101		104	Q	9-103	3		30
Phenol	46		43		12-110	7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	61		56		21-120
Phenol-d6	44		40		10-120
Nitrobenzene-d5	82		81		23-120
2-Fluorobiphenyl	89		87		15-120
2,4,6-Tribromophenol	113		114		10-120
4-Terphenyl-d14	118		118		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1104882

Report Date: 04/29/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 Batch: WG465331-2 WG465331-3								
Pentachlorophenol	93		95		9-103	2		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	47		56		21-120
Phenol-d6	34		40		10-120
Nitrobenzene-d5	82		92		23-120
2-Fluorobiphenyl	74		77		15-120
2,4,6-Tribromophenol	112		115		10-120
4-Terphenyl-d14	103		108		41-149

Matrix Spike Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1104882

Report Date: 04/29/11

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): 04-09 QC Batch ID: WG463359-4 WG463359-5 QC Sample: L1104882-06 Client ID: MW-12S												
Acenaphthene	ND	40	37	93		32	80		37-111	14		30
1,2,4-Trichlorobenzene	ND	40	24	60		22	55		39-98	9		30
1,4-Dichlorobenzene	ND	40	20	50		19	48		36-97	5		30
2,4-Dinitrotoluene	ND	40	50	130	Q	45	110	Q	24-96	11		30
n-Nitrosodi-n-propylamine	ND	40	37	93		34	85		41-116	8		30
Pyrene	ND	40	45	110		41	100		26-127	9		30
P-Chloro-M-Cresol	ND	40	27	68		39	98	Q	23-97	36	Q	30
2-Chlorophenol	ND	40	32	80		27	68		27-123	17		30
4-Nitrophenol	ND	40	ND	0	Q	25	63		10-80	NC		30
Pentachlorophenol	ND	40	44	110	Q	39	98		9-103	12		30
Phenol	ND	40	17	43		14	35		12-110	19		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	109		95		10-120
2-Fluorobiphenyl	87		75		15-120
2-Fluorophenol	52		44		21-120
4-Terphenyl-d14	116		104		41-149
Nitrobenzene-d5	75		65		23-120
Phenol-d6	41		33		10-120

Matrix Spike Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1104882

Report Date: 04/29/11

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): 04-06,08-09 QC Batch ID: WG463360-4 WG463360-5 QC Sample: L1104882-06 Client ID: MW-12S												
Pentachlorophenol	ND	40	53	130	Q	51	130	Q	9-103	4		40

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	115		123	Q	10-120
2-Fluorobiphenyl	87		83		15-120
2-Fluorophenol	53		50		21-120
4-Terphenyl-d14	133		122		41-149
Nitrobenzene-d5	89		82		23-120
Phenol-d6	38		35		10-120

METALS

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104882
Project Number:	CJI-1747	Report Date:	04/29/11

SAMPLE RESULTS

Lab ID:	L1104882-01	Date Collected:	04/12/11 08:15
Client ID:	MW-4DO	Date Received:	04/12/11
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	04/13/11 17:00	04/15/11 22:30	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0010	--	1	04/13/11 17:00	04/15/11 22:30	EPA 3005A	1,6020	BM
Arsenic, Total	0.0018		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 22:30	EPA 3005A	1,6020	BM
Barium, Total	0.0245		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 22:30	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 22:30	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 22:30	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 22:30	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 22:30	EPA 3005A	1,6020	BM
Manganese, Total	1.373		mg/l	0.0010	--	1	04/13/11 17:00	04/15/11 22:30	EPA 3005A	1,6020	BM
Sodium, Total	10		mg/l	2.0	--	1	04/13/11 17:00	04/21/11 17:05	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 22:30	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 22:30	EPA 3005A	1,6020	BM
Zinc, Total	0.0111		mg/l	0.0050	--	1	04/13/11 17:00	04/15/11 22:30	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104882
Project Number:	CJI-1747	Report Date:	04/29/11

SAMPLE RESULTS

Lab ID:	L1104882-02	Date Collected:	04/12/11 09:22
Client ID:	MW-4S	Date Received:	04/12/11
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	0.012		mg/l	0.010	--	1	04/13/11 17:00	04/15/11 22:42	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0010	--	1	04/13/11 17:00	04/15/11 22:42	EPA 3005A	1,6020	BM
Arsenic, Total	0.0007		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 22:42	EPA 3005A	1,6020	BM
Barium, Total	0.0150		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 22:42	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 22:42	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 22:42	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 22:42	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 22:42	EPA 3005A	1,6020	BM
Manganese, Total	3.620		mg/l	0.0010	--	1	04/13/11 17:00	04/15/11 22:42	EPA 3005A	1,6020	BM
Sodium, Total	7.8		mg/l	2.0	--	1	04/13/11 17:00	04/21/11 17:08	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 22:42	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 22:42	EPA 3005A	1,6020	BM
Zinc, Total	0.0118		mg/l	0.0050	--	1	04/13/11 17:00	04/15/11 22:42	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104882
Project Number:	CJI-1747	Report Date:	04/29/11

SAMPLE RESULTS

Lab ID:	L1104882-03	Date Collected:	04/12/11 10:15
Client ID:	MW-3BR	Date Received:	04/12/11
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	04/13/11 17:00	04/15/11 22:48	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0010	--	1	04/13/11 17:00	04/15/11 22:48	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 22:48	EPA 3005A	1,6020	BM
Barium, Total	0.0006		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 22:48	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 22:48	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 22:48	EPA 3005A	1,6020	BM
Chromium, Total	0.0007		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 22:48	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 22:48	EPA 3005A	1,6020	BM
Manganese, Total	0.0098		mg/l	0.0010	--	1	04/13/11 17:00	04/15/11 22:48	EPA 3005A	1,6020	BM
Sodium, Total	14		mg/l	2.0	--	1	04/13/11 17:00	04/21/11 17:11	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 22:48	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 22:48	EPA 3005A	1,6020	BM
Zinc, Total	0.0111		mg/l	0.0050	--	1	04/13/11 17:00	04/15/11 22:48	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104882
Project Number:	CJI-1747	Report Date:	04/29/11

SAMPLE RESULTS

Lab ID:	L1104882-04	Date Collected:	04/12/11 10:15
Client ID:	DUP (MW-3BR)	Date Received:	04/12/11
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	04/13/11 17:00	04/15/11 22:55	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0010	--	1	04/13/11 17:00	04/15/11 22:55	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 22:55	EPA 3005A	1,6020	BM
Barium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 22:55	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 22:55	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 22:55	EPA 3005A	1,6020	BM
Chromium, Total	0.0005		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 22:55	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 22:55	EPA 3005A	1,6020	BM
Manganese, Total	0.0074		mg/l	0.0010	--	1	04/13/11 17:00	04/15/11 22:55	EPA 3005A	1,6020	BM
Sodium, Total	14		mg/l	2.0	--	1	04/13/11 17:00	04/21/11 17:31	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 22:55	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 22:55	EPA 3005A	1,6020	BM
Zinc, Total	0.0108		mg/l	0.0050	--	1	04/13/11 17:00	04/15/11 22:55	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104882
Project Number:	CJI-1747	Report Date:	04/29/11

SAMPLE RESULTS

Lab ID:	L1104882-05	Date Collected:	04/12/11 10:51
Client ID:	MW-3S	Date Received:	04/13/11
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	04/13/11 17:00	04/15/11 23:01	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0010	--	1	04/13/11 17:00	04/15/11 23:01	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:01	EPA 3005A	1,6020	BM
Barium, Total	0.0047		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:01	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:01	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:01	EPA 3005A	1,6020	BM
Chromium, Total	0.0006		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:01	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:01	EPA 3005A	1,6020	BM
Manganese, Total	0.2066		mg/l	0.0010	--	1	04/13/11 17:00	04/15/11 23:01	EPA 3005A	1,6020	BM
Sodium, Total	10		mg/l	2.0	--	1	04/13/11 17:00	04/21/11 17:35	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:01	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:01	EPA 3005A	1,6020	BM
Zinc, Total	0.0119		mg/l	0.0050	--	1	04/13/11 17:00	04/15/11 23:01	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104882
Project Number:	CJI-1747	Report Date:	04/29/11

SAMPLE RESULTS

Lab ID:	L1104882-06	Date Collected:	04/12/11 11:32
Client ID:	MW-12S	Date Received:	04/13/11
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	0.044		mg/l	0.010	--	1	04/15/11 12:15	04/19/11 04:22	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0010	--	1	04/15/11 12:15	04/19/11 04:22	EPA 3005A	1,6020	BM
Arsenic, Total	0.0007		mg/l	0.0005	--	1	04/15/11 12:15	04/19/11 04:22	EPA 3005A	1,6020	BM
Barium, Total	0.0163		mg/l	0.0005	--	1	04/15/11 12:15	04/19/11 04:22	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/15/11 12:15	04/19/11 04:22	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	04/15/11 12:15	04/19/11 04:22	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	04/15/11 12:15	04/19/11 04:22	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	04/15/11 12:15	04/19/11 04:22	EPA 3005A	1,6020	BM
Manganese, Total	2.586		mg/l	0.0010	--	1	04/15/11 12:15	04/19/11 04:22	EPA 3005A	1,6020	BM
Sodium, Total	6.6		mg/l	2.0	--	1	04/15/11 12:15	04/20/11 14:19	EPA 3005A	1,6010B	MG
Thallium, Total	ND		mg/l	0.0005	--	1	04/15/11 12:15	04/19/11 04:22	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	04/15/11 12:15	04/19/11 04:22	EPA 3005A	1,6020	BM
Zinc, Total	0.0129		mg/l	0.0050	--	1	04/15/11 12:15	04/19/11 04:22	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104882
Project Number:	CJI-1747	Report Date:	04/29/11

SAMPLE RESULTS

Lab ID:	L1104882-07	Date Collected:	04/12/11 12:16
Client ID:	MW-12DO	Date Received:	04/13/11
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	0.011		mg/l	0.010	--	1	04/15/11 12:15	04/19/11 04:45	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0010	--	1	04/15/11 12:15	04/19/11 04:45	EPA 3005A	1,6020	BM
Arsenic, Total	0.0008		mg/l	0.0005	--	1	04/15/11 12:15	04/19/11 04:45	EPA 3005A	1,6020	BM
Barium, Total	0.0120		mg/l	0.0005	--	1	04/15/11 12:15	04/19/11 04:45	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/15/11 12:15	04/19/11 04:45	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	04/15/11 12:15	04/19/11 04:45	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	04/15/11 12:15	04/19/11 04:45	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	04/15/11 12:15	04/19/11 04:45	EPA 3005A	1,6020	BM
Manganese, Total	1.502		mg/l	0.0010	--	1	04/15/11 12:15	04/19/11 04:45	EPA 3005A	1,6020	BM
Sodium, Total	12		mg/l	2.0	--	1	04/15/11 12:15	04/20/11 14:30	EPA 3005A	1,6010B	MG
Thallium, Total	ND		mg/l	0.0005	--	1	04/15/11 12:15	04/19/11 04:45	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	04/15/11 12:15	04/19/11 04:45	EPA 3005A	1,6020	BM
Zinc, Total	0.0115		mg/l	0.0050	--	1	04/15/11 12:15	04/19/11 04:45	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104882
Project Number:	CJI-1747	Report Date:	04/29/11

SAMPLE RESULTS

Lab ID:	L1104882-08	Date Collected:	04/12/11 13:42
Client ID:	MW-13S	Date Received:	04/13/11
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	0.537		mg/l	0.010	--	1	04/15/11 12:15	04/19/11 04:51	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0010	--	1	04/15/11 12:15	04/19/11 04:51	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/15/11 12:15	04/19/11 04:51	EPA 3005A	1,6020	BM
Barium, Total	0.0057		mg/l	0.0005	--	1	04/15/11 12:15	04/19/11 04:51	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/15/11 12:15	04/19/11 04:51	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	04/15/11 12:15	04/19/11 04:51	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	04/15/11 12:15	04/19/11 04:51	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	04/15/11 12:15	04/19/11 04:51	EPA 3005A	1,6020	BM
Manganese, Total	0.0230		mg/l	0.0010	--	1	04/15/11 12:15	04/19/11 04:51	EPA 3005A	1,6020	BM
Sodium, Total	13		mg/l	2.0	--	1	04/15/11 12:15	04/20/11 14:33	EPA 3005A	1,6010B	MG
Thallium, Total	ND		mg/l	0.0005	--	1	04/15/11 12:15	04/19/11 04:51	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	04/15/11 12:15	04/19/11 04:51	EPA 3005A	1,6020	BM
Zinc, Total	0.0108		mg/l	0.0050	--	1	04/15/11 12:15	04/19/11 04:51	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104882
Project Number:	CJI-1747	Report Date:	04/29/11

SAMPLE RESULTS

Lab ID:	L1104882-09	Date Collected:	04/12/11 13:50
Client ID:	FIELD BLANK	Date Received:	04/12/11
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	04/13/11 17:00	04/15/11 23:07	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0010	--	1	04/13/11 17:00	04/15/11 23:07	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:07	EPA 3005A	1,6020	BM
Barium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:07	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:07	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:07	EPA 3005A	1,6020	BM
Chromium, Total	0.0006		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:07	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:07	EPA 3005A	1,6020	BM
Manganese, Total	ND		mg/l	0.0010	--	1	04/13/11 17:00	04/15/11 23:07	EPA 3005A	1,6020	BM
Sodium, Total	ND		mg/l	2.0	--	1	04/13/11 17:00	04/21/11 17:28	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:07	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:07	EPA 3005A	1,6020	BM
Zinc, Total	0.0112		mg/l	0.0050	--	1	04/13/11 17:00	04/15/11 23:07	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104882
Project Number:	CJI-1747	Report Date:	04/29/11

SAMPLE RESULTS

Lab ID:	L1104882-11	Date Collected:	04/12/11 09:30
Client ID:	SW-09	Date Received:	04/12/11
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	0.109		mg/l	0.010	--	1	04/13/11 17:00	04/15/11 23:13	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:13	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:13	EPA 3005A	1,6020	BM
Chromium, Total	0.0006		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:13	EPA 3005A	1,6020	BM
Copper, Total	0.0015		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:13	EPA 3005A	1,6020	BM
Iron, Total	0.200		mg/l	0.050	--	1	04/13/11 17:00	04/15/11 23:13	EPA 3005A	1,6020	BM
Lead, Total	0.0008		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:13	EPA 3005A	1,6020	BM
Manganese, Total	0.0478		mg/l	0.0010	--	1	04/13/11 17:00	04/15/11 23:13	EPA 3005A	1,6020	BM
Nickel, Total	0.0005		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:13	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:13	EPA 3005A	1,6020	BM
Zinc, Total	0.0170		mg/l	0.0050	--	1	04/13/11 17:00	04/15/11 23:13	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab											
Hardness	12		mg/l	0.66	--	1	04/13/11 17:00	04/21/11 17:38	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.072		mg/l	0.010	--	1	04/14/11 15:30	04/19/11 09:22	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 09:22	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 09:22	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 09:22	EPA 3005A	1,6020	BM
Copper, Dissolved	0.0017		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 09:22	EPA 3005A	1,6020	BM
Iron, Dissolved	0.131		mg/l	0.050	--	1	04/14/11 15:30	04/19/11 09:22	EPA 3005A	1,6020	BM
Lead, Dissolved	0.0005		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 09:22	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.0394		mg/l	0.0010	--	1	04/14/11 15:30	04/19/11 09:22	EPA 3005A	1,6020	BM
Nickel, Dissolved	0.0005		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 09:22	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 09:22	EPA 3005A	1,6020	BM
Zinc, Dissolved	0.0179		mg/l	0.0050	--	1	04/14/11 15:30	04/19/11 09:22	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104882
Project Number:	CJI-1747	Report Date:	04/29/11

SAMPLE RESULTS

Lab ID:	L1104882-12	Date Collected:	04/12/11 09:30
Client ID:	DUP (SW-09)	Date Received:	04/12/11
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	0.118		mg/l	0.010	--	1	04/13/11 17:00	04/15/11 23:19	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:19	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:19	EPA 3005A	1,6020	BM
Chromium, Total	0.0007		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:19	EPA 3005A	1,6020	BM
Copper, Total	0.0018		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:19	EPA 3005A	1,6020	BM
Iron, Total	0.218		mg/l	0.050	--	1	04/13/11 17:00	04/15/11 23:19	EPA 3005A	1,6020	BM
Lead, Total	0.0009		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:19	EPA 3005A	1,6020	BM
Manganese, Total	0.0482		mg/l	0.0010	--	1	04/13/11 17:00	04/15/11 23:19	EPA 3005A	1,6020	BM
Nickel, Total	0.0006		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:19	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:19	EPA 3005A	1,6020	BM
Zinc, Total	0.0191		mg/l	0.0050	--	1	04/13/11 17:00	04/15/11 23:19	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab											
Hardness	12		mg/l	0.66	--	1	04/13/11 17:00	04/21/11 17:41	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.069		mg/l	0.010	--	1	04/14/11 15:30	04/19/11 09:35	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 09:35	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 09:35	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 09:35	EPA 3005A	1,6020	BM
Copper, Dissolved	0.0016		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 09:35	EPA 3005A	1,6020	BM
Iron, Dissolved	0.126		mg/l	0.050	--	1	04/14/11 15:30	04/19/11 09:35	EPA 3005A	1,6020	BM
Lead, Dissolved	ND		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 09:35	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.0392		mg/l	0.0010	--	1	04/14/11 15:30	04/19/11 09:35	EPA 3005A	1,6020	BM
Nickel, Dissolved	ND		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 09:35	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 09:35	EPA 3005A	1,6020	BM
Zinc, Dissolved	0.0260		mg/l	0.0050	--	1	04/14/11 15:30	04/19/11 09:35	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104882
Project Number:	CJI-1747	Report Date:	04/29/11

SAMPLE RESULTS

Lab ID:	L1104882-13	Date Collected:	04/12/11 10:10
Client ID:	SW-17	Date Received:	04/12/11
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	0.101		mg/l	0.010	--	1	04/13/11 17:00	04/15/11 23:25	EPA 3005A	1,6020	BM
Arsenic, Total	0.0005		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:25	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:25	EPA 3005A	1,6020	BM
Chromium, Total	0.0008		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:25	EPA 3005A	1,6020	BM
Copper, Total	0.0011		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:25	EPA 3005A	1,6020	BM
Iron, Total	0.283		mg/l	0.050	--	1	04/13/11 17:00	04/15/11 23:25	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:25	EPA 3005A	1,6020	BM
Manganese, Total	0.0988		mg/l	0.0010	--	1	04/13/11 17:00	04/15/11 23:25	EPA 3005A	1,6020	BM
Nickel, Total	0.0006		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:25	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:25	EPA 3005A	1,6020	BM
Zinc, Total	0.0162		mg/l	0.0050	--	1	04/13/11 17:00	04/15/11 23:25	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab											
Hardness	17		mg/l	0.66	--	1	04/13/11 17:00	04/21/11 17:45	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.072		mg/l	0.010	--	1	04/14/11 15:30	04/19/11 10:11	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 10:11	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 10:11	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 10:11	EPA 3005A	1,6020	BM
Copper, Dissolved	0.0017		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 10:11	EPA 3005A	1,6020	BM
Iron, Dissolved	0.174		mg/l	0.050	--	1	04/14/11 15:30	04/19/11 10:11	EPA 3005A	1,6020	BM
Lead, Dissolved	ND		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 10:11	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.0868		mg/l	0.0010	--	1	04/14/11 15:30	04/19/11 10:11	EPA 3005A	1,6020	BM
Nickel, Dissolved	0.0006		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 10:11	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 10:11	EPA 3005A	1,6020	BM
Zinc, Dissolved	0.0662		mg/l	0.0050	--	1	04/14/11 15:30	04/19/11 10:11	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104882
Project Number:	CJI-1747	Report Date:	04/29/11

SAMPLE RESULTS

Lab ID:	L1104882-14	Date Collected:	04/12/11 12:10
Client ID:	SW-04	Date Received:	04/12/11
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	0.095		mg/l	0.010	--	1	04/13/11 17:00	04/15/11 23:31	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:31	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:31	EPA 3005A	1,6020	BM
Chromium, Total	0.0007		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:31	EPA 3005A	1,6020	BM
Copper, Total	0.0008		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:31	EPA 3005A	1,6020	BM
Iron, Total	0.144		mg/l	0.050	--	1	04/13/11 17:00	04/15/11 23:31	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:31	EPA 3005A	1,6020	BM
Manganese, Total	0.1715		mg/l	0.0010	--	1	04/13/11 17:00	04/15/11 23:31	EPA 3005A	1,6020	BM
Nickel, Total	0.0007		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:31	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:31	EPA 3005A	1,6020	BM
Zinc, Total	0.0182		mg/l	0.0050	--	1	04/13/11 17:00	04/15/11 23:31	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab											
Hardness	17		mg/l	0.66	--	1	04/13/11 17:00	04/21/11 17:48	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.077		mg/l	0.010	--	1	04/14/11 15:30	04/19/11 10:17	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 10:17	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 10:17	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 10:17	EPA 3005A	1,6020	BM
Copper, Dissolved	0.0012		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 10:17	EPA 3005A	1,6020	BM
Iron, Dissolved	0.109		mg/l	0.050	--	1	04/14/11 15:30	04/19/11 10:17	EPA 3005A	1,6020	BM
Lead, Dissolved	ND		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 10:17	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.1540		mg/l	0.0010	--	1	04/14/11 15:30	04/19/11 10:17	EPA 3005A	1,6020	BM
Nickel, Dissolved	0.0006		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 10:17	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 10:17	EPA 3005A	1,6020	BM
Zinc, Dissolved	0.0270		mg/l	0.0050	--	1	04/14/11 15:30	04/19/11 10:17	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104882
Project Number:	CJI-1747	Report Date:	04/29/11

SAMPLE RESULTS

Lab ID:	L1104882-15	Date Collected:	04/12/11 12:50
Client ID:	SW-2	Date Received:	04/12/11
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	0.099		mg/l	0.010	--	1	04/13/11 17:00	04/15/11 23:49	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:49	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:49	EPA 3005A	1,6020	BM
Chromium, Total	0.0005		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:49	EPA 3005A	1,6020	BM
Copper, Total	0.0006		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:49	EPA 3005A	1,6020	BM
Iron, Total	0.112		mg/l	0.050	--	1	04/13/11 17:00	04/15/11 23:49	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:49	EPA 3005A	1,6020	BM
Manganese, Total	0.0237		mg/l	0.0010	--	1	04/13/11 17:00	04/15/11 23:49	EPA 3005A	1,6020	BM
Nickel, Total	0.0006		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:49	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:49	EPA 3005A	1,6020	BM
Zinc, Total	0.0175		mg/l	0.0050	--	1	04/13/11 17:00	04/15/11 23:49	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab											
Hardness	16		mg/l	0.66	--	1	04/13/11 17:00	04/21/11 17:51	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.078		mg/l	0.010	--	1	04/14/11 15:30	04/19/11 10:23	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 10:23	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 10:23	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 10:23	EPA 3005A	1,6020	BM
Copper, Dissolved	0.0014		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 10:23	EPA 3005A	1,6020	BM
Iron, Dissolved	0.086		mg/l	0.050	--	1	04/14/11 15:30	04/19/11 10:23	EPA 3005A	1,6020	BM
Lead, Dissolved	ND		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 10:23	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.0207		mg/l	0.0010	--	1	04/21/11 18:10	04/26/11 17:11	EPA 3005A	1,6020	BM
Nickel, Dissolved	0.0006		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 10:23	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 10:23	EPA 3005A	1,6020	BM
Zinc, Dissolved	0.0199		mg/l	0.0050	--	1	04/14/11 15:30	04/19/11 10:23	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104882
Project Number:	CJI-1747	Report Date:	04/29/11

SAMPLE RESULTS

Lab ID:	L1104882-16	Date Collected:	04/12/11 13:10
Client ID:	SW-1	Date Received:	04/12/11
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	0.093		mg/l	0.010	--	1	04/13/11 17:00	04/15/11 23:55	EPA 3005A	1,6020	BM
Arsenic, Total	0.0010		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:55	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:55	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:55	EPA 3005A	1,6020	BM
Copper, Total	0.0016		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:55	EPA 3005A	1,6020	BM
Iron, Total	0.764		mg/l	0.050	--	1	04/13/11 17:00	04/15/11 23:55	EPA 3005A	1,6020	BM
Lead, Total	0.0299		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:55	EPA 3005A	1,6020	BM
Manganese, Total	0.1406		mg/l	0.0010	--	1	04/13/11 17:00	04/15/11 23:55	EPA 3005A	1,6020	BM
Nickel, Total	0.0008		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:55	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 23:55	EPA 3005A	1,6020	BM
Zinc, Total	0.0208		mg/l	0.0050	--	1	04/13/11 17:00	04/15/11 23:55	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab											
Hardness	19		mg/l	0.66	--	1	04/13/11 17:00	04/21/11 17:55	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.044		mg/l	0.010	--	1	04/14/11 15:30	04/19/11 10:29	EPA 3005A	1,6020	BM
Arsenic, Dissolved	0.0007		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 10:29	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 10:29	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 10:29	EPA 3005A	1,6020	BM
Copper, Dissolved	0.0023		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 10:29	EPA 3005A	1,6020	BM
Iron, Dissolved	0.227		mg/l	0.050	--	1	04/14/11 15:30	04/19/11 10:29	EPA 3005A	1,6020	BM
Lead, Dissolved	0.0060		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 10:29	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.0979		mg/l	0.0010	--	1	04/14/11 15:30	04/19/11 10:29	EPA 3005A	1,6020	BM
Nickel, Dissolved	0.0008		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 10:29	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 10:29	EPA 3005A	1,6020	BM
Zinc, Dissolved	0.1823		mg/l	0.0050	--	1	04/14/11 15:30	04/19/11 10:29	EPA 3005A	1,6020	BM

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

Lab Number: L1104882
Report Date: 04/29/11

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): 01-05,09,11-16 Batch: WG462848-1										
Sodium, Total	ND		mg/l	2.0	--	1	04/13/11 17:00	04/21/11 16:45	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): 01-05,09,11-16 Batch: WG462848-1										
Hardness	ND		mg/l	0.66	--	1	04/13/11 17:00	04/21/11 16:45	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 Metals - Westborough Lab for sample(s): 01-05,09,11-16 Batch: WG462850-1										
Aluminum, Total	ND		mg/l	0.010	--	1	04/13/11 17:00	04/15/11 21:00	1,6020	BM
Antimony, Total	ND		mg/l	0.0010	--	1	04/13/11 17:00	04/15/11 21:00	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 21:00	1,6020	BM
Barium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 21:00	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 21:00	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 21:00	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 21:00	1,6020	BM
Copper, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 21:00	1,6020	BM
Iron, Total	ND		mg/l	0.050	--	1	04/13/11 17:00	04/15/11 21:00	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 21:00	1,6020	BM
Manganese, Total	ND		mg/l	0.0010	--	1	04/13/11 17:00	04/15/11 21:00	1,6020	BM
Nickel, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 21:00	1,6020	BM
Silver, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 21:00	1,6020	BM
Thallium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 21:00	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	04/13/11 17:00	04/15/11 21:00	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	--	1	04/13/11 17:00	04/15/11 21:00	1,6020	BM

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1104882
Report Date: 04/29/11

Method Blank Analysis
Batch Quality Control

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): 11-16 Batch: WG463051-1										
Aluminum, Dissolved	ND		mg/l	0.010	--	1	04/14/11 15:30	04/19/11 06:40	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 06:40	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 06:40	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 06:40	1,6020	BM
Copper, Dissolved	ND		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 06:40	1,6020	BM
Iron, Dissolved	ND		mg/l	0.050	--	1	04/14/11 15:30	04/19/11 06:40	1,6020	BM
Lead, Dissolved	ND		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 06:40	1,6020	BM
Manganese, Dissolved	0.0030		mg/l	0.0010	--	1	04/14/11 15:30	04/19/11 06:40	1,6020	BM
Nickel, Dissolved	ND		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 06:40	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	--	1	04/14/11 15:30	04/19/11 06:40	1,6020	BM
Zinc, Dissolved	ND		mg/l	0.0050	--	1	04/14/11 15:30	04/19/11 06:40	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): 06-08 Batch: WG463295-1										
Sodium, Total	ND		mg/l	2.0	--	1	04/15/11 12:15	04/20/11 14:05	1,6010B	MG

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): 06-08 Batch: WG463298-1										
Aluminum, Total	ND		mg/l	0.010	--	1	04/15/11 12:15	04/19/11 02:33	1,6020	BM
Antimony, Total	ND		mg/l	0.0010	--	1	04/15/11 12:15	04/19/11 02:33	1,6020	BM

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

Lab Number: L1104882
Report Date: 04/29/11

Method Blank Analysis
Batch Quality Control

Arsenic, Total	ND	mg/l	0.0005	--	1	04/15/11 12:15	04/19/11 02:33	1,6020	BM
Barium, Total	ND	mg/l	0.0005	--	1	04/15/11 12:15	04/19/11 02:33	1,6020	BM
Beryllium, Total	ND	mg/l	0.0005	--	1	04/15/11 12:15	04/19/11 02:33	1,6020	BM
Cadmium, Total	ND	mg/l	0.0005	--	1	04/15/11 12:15	04/19/11 02:33	1,6020	BM
Chromium, Total	ND	mg/l	0.0005	--	1	04/15/11 12:15	04/19/11 02:33	1,6020	BM
Lead, Total	ND	mg/l	0.0005	--	1	04/15/11 12:15	04/19/11 02:33	1,6020	BM
Manganese, Total	ND	mg/l	0.0010	--	1	04/15/11 12:15	04/19/11 02:33	1,6020	BM
Thallium, Total	ND	mg/l	0.0005	--	1	04/15/11 12:15	04/19/11 02:33	1,6020	BM
Vanadium, Total	ND	mg/l	0.0005	--	1	04/15/11 12:15	04/19/11 02:33	1,6020	BM
Zinc, Total	ND	mg/l	0.0050	--	1	04/15/11 12:15	04/19/11 02:33	1,6020	BM

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): 15 Batch: WG464038-1										
Manganese, Dissolved	ND		mg/l	0.0010	--	1	04/21/11 18:10	04/26/11 16:29	1,6020	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: L1104882

Report Date: 04/29/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-05,09,11-16 Batch: WG462848-2								
Sodium, Total	100		-		80-120	-		
Total Hardness by SM 2340B - Westborough Lab Associated sample(s): 01-05,09,11-16 Batch: WG462848-2								
Hardness	101		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1104882

Report Date: 04/29/11

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-05,09,11-16 Batch: WG462850-2					
Aluminum, Total	94	-	80-120	-	
Antimony, Total	98	-	80-120	-	
Arsenic, Total	103	-	80-120	-	
Barium, Total	102	-	80-120	-	
Beryllium, Total	104	-	80-120	-	
Cadmium, Total	109	-	80-120	-	
Chromium, Total	98	-	80-120	-	
Copper, Total	105	-	80-120	-	
Iron, Total	104	-	80-120	-	
Lead, Total	104	-	80-120	-	
Manganese, Total	103	-	80-120	-	
Nickel, Total	105	-	80-120	-	
Silver, Total	98	-	80-120	-	
Thallium, Total	93	-	80-120	-	
Vanadium, Total	101	-	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: L1104882

Report Date: 04/29/11

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 11-16 Batch: WG463051-2					
Aluminum, Dissolved	90	-	80-120	-	
Arsenic, Dissolved	102	-	80-120	-	
Cadmium, Dissolved	108	-	80-120	-	
Chromium, Dissolved	98	-	80-120	-	
Copper, Dissolved	107	-	80-120	-	
Iron, Dissolved	105	-	80-120	-	
Lead, Dissolved	104	-	80-120	-	
Manganese, Dissolved	106	-	80-120	-	
Nickel, Dissolved	107	-	80-120	-	
Silver, Dissolved	96	-	80-120	-	
Zinc, Dissolved	103	-	80-120	-	
Total Metals - Westborough Lab Associated sample(s): 06-08 Batch: WG463295-2					
Sodium, Total	120	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1104882

Report Date: 04/29/11

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 06-08 Batch: WG463298-2					
Aluminum, Total	94	-	80-120	-	
Antimony, Total	98	-	80-120	-	
Arsenic, Total	104	-	80-120	-	
Barium, Total	106	-	80-120	-	
Beryllium, Total	99	-	80-120	-	
Cadmium, Total	109	-	80-120	-	
Chromium, Total	98	-	80-120	-	
Lead, Total	105	-	80-120	-	
Manganese, Total	105	-	80-120	-	
Thallium, Total	92	-	80-120	-	
Vanadium, Total	100	-	80-120	-	
Zinc, Total	103	-	80-120	-	
Dissolved Metals - Westborough Lab Associated sample(s): 15 Batch: WG464038-2					
Manganese, Dissolved	101	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1104882
Report Date: 04/29/11

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): 01-05,09,11-16 QC Batch ID: WG462848-4 QC Sample: L1104920-03 Client ID: MS Sample												
Sodium, Total	12	10	22	100		-	-		75-125	-		20
Total Hardness by SM 2340B - Westborough Lab Associated sample(s): 01-05,09,11-16 QC Batch ID: WG462848-4 QC Sample: L1104920-03 Client ID: MS Sample												
Hardness	26	66.2	92	100		-	-		75-125	-		20
Total Metals - Westborough Lab Associated sample(s): 01-05,09,11-16 QC Batch ID: WG462850-4 QC Sample: L1104920-03 Client ID: MS Sample												
Aluminum, Total	ND	2	1.89	94		-	-		80-120	-		20
Antimony, Total	ND	0.5	0.4784	96		-	-		80-120	-		20
Arsenic, Total	ND	0.12	0.1224	102		-	-		80-120	-		20
Barium, Total	0.00890	2	2.021	101		-	-		80-120	-		20
Beryllium, Total	ND	0.05	0.0506	101		-	-		80-120	-		20
Cadmium, Total	ND	0.051	0.0542	106		-	-		80-120	-		20
Chromium, Total	ND	0.2	0.1908	95		-	-		80-120	-		20
Copper, Total	0.0042	0.25	0.2664	105		-	-		80-120	-		20
Iron, Total	0.350	1	1.49	114		-	-		80-120	-		20
Lead, Total	ND	0.51	0.5376	105		-	-		80-120	-		20
Manganese, Total	0.0026	0.5	0.5068	101		-	-		80-120	-		20
Nickel, Total	0.0008	0.5	0.5172	103		-	-		80-120	-		20
Silver, Total	ND	0.05	0.0483	97		-	-		80-120	-		20
Thallium, Total	ND	0.12	0.1116	93		-	-		80-120	-		20
Vanadium, Total	ND	0.5	0.4924	98		-	-		80-120	-		20
Zinc, Total	0.0258	0.5	0.5420	103		-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1104882
Report Date: 04/29/11

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): 11-16 QC Batch ID: WG463051-4 QC Sample: L1104882-12 Client ID: DUP (SW-09)									
Aluminum, Dissolved	0.069	2	1.85	89	-	-	80-120	-	20
Arsenic, Dissolved	ND	0.12	0.1194	100	-	-	80-120	-	20
Cadmium, Dissolved	ND	0.051	0.0532	104	-	-	80-120	-	20
Chromium, Dissolved	ND	0.2	0.1887	94	-	-	80-120	-	20
Copper, Dissolved	0.0016	0.25	0.2587	103	-	-	80-120	-	20
Iron, Dissolved	0.126	1	1.13	100	-	-	80-120	-	20
Lead, Dissolved	ND	0.51	0.5240	103	-	-	80-120	-	20
Manganese, Dissolved	0.0392	0.5	0.5500	102	-	-	80-120	-	20
Nickel, Dissolved	ND	0.5	0.5096	102	-	-	80-120	-	20
Silver, Dissolved	ND	0.05	0.0471	94	-	-	80-120	-	20
Zinc, Dissolved	0.0260	0.5	0.5304	101	-	-	80-120	-	20
Total Metals - Westborough Lab Associated sample(s): 06-08 QC Batch ID: WG463295-3 WG463295-4 QC Sample: L1104882-06 Client ID: MW-12S									
Sodium, Total	6.6	10	18	114	17	104	75-125	6	20

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1104882
Report Date: 04/29/11

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): 06-08 QC Batch ID: WG463298-3 WG463298-4 QC Sample: L1104882-06 Client ID: MW-12S									
Aluminum, Total	0.044	2	1.86	91	1.88	92	80-120	1	20
Antimony, Total	ND	0.5	0.4884	98	0.4924	98	80-120	1	20
Arsenic, Total	0.0007	0.12	0.1242	103	0.1269	105	80-120	2	20
Barium, Total	0.0163	2	2.082	103	2.078	103	80-120	0	20
Beryllium, Total	ND	0.05	0.0454	91	0.0473	95	80-120	4	20
Cadmium, Total	ND	0.051	0.0545	107	0.0552	108	80-120	1	20
Chromium, Total	ND	0.2	0.1943	97	0.1990	100	80-120	2	20
Lead, Total	ND	0.51	0.5276	103	0.5460	107	80-120	3	20
Manganese, Total	2.586	0.5	3.052	93	3.111	105	80-120	2	20
Thallium, Total	ND	0.12	0.1078	90	0.1113	93	80-120	3	20
Vanadium, Total	ND	0.5	0.4964	99	0.5148	103	80-120	4	20
Zinc, Total	0.0129	0.5	0.5184	101	0.5256	102	80-120	1	20
Dissolved Metals - Westborough Lab Associated sample(s): 15 QC Batch ID: WG464038-4 QC Sample: L1104270-59 Client ID: MS Sample									
Manganese, Dissolved	0.2206	0.5	0.7572	107	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

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

Lab Number: L1104882
Report Date: 04/29/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-05,09,11-16 QC Batch ID: WG462848-3 QC Sample: L1104920-03 Client ID: DUP Sample						
Sodium, Total	12	12	mg/l	0		20
Total Metals - Westborough Lab Associated sample(s): 01-05,09,11-16 QC Batch ID: WG462850-3 QC Sample: L1104920-03 Client ID: DUP Sample						
Antimony, Total	ND	ND	mg/l	NC		20
Beryllium, Total	ND	ND	mg/l	NC		20
Thallium, Total	ND	ND	mg/l	NC		20
Dissolved Metals - Westborough Lab Associated sample(s): 11-16 QC Batch ID: WG463051-3 QC Sample: L1104882-12 Client ID: DUP (SW-09)						
Aluminum, Dissolved	0.069	0.070	mg/l	0		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	0.0016	0.0016	mg/l	4		20
Iron, Dissolved	0.126	0.127	mg/l	1		20
Lead, Dissolved	ND	ND	mg/l	NC		20
Manganese, Dissolved	0.0392	0.0399	mg/l	2		20
Nickel, Dissolved	ND	ND	mg/l	NC		20
Silver, Dissolved	ND	ND	mg/l	NC		20
Zinc, Dissolved	0.0260	0.0252	mg/l	3		20
Dissolved Metals - Westborough Lab Associated sample(s): 15 QC Batch ID: WG464038-3 QC Sample: L1104270-59 Client ID: DUP Sample						
Manganese, Dissolved	0.2206	0.2181	mg/l	1		20

INORGANICS
&
MISCELLANEOUS

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

Lab Number: L1104882
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-11
Client ID: SW-09
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 04/12/11 09:30
Date Received: 04/12/11
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	04/14/11 12:00	04/15/11 13:46	1,9010B/9012A	JO
Nitrogen, Ammonia	0.104		mg/l	0.075	--	1	04/13/11 16:00	04/14/11 21:22	30,4500NH3-BH	AT
Nitrogen, Nitrate	ND		mg/l	0.10	--	1	-	04/12/11 22:26	30,4500NO3-F	TH
Phosphorus, Total	0.035		mg/l	0.010	--	1	04/19/11 11:00	04/19/11 16:16	30,4500P-E	SD
Sulfide	ND		mg/l	0.10	--	1	04/18/11 17:00	04/18/11 21:21	1,9030B	AT
Total Organic Carbon	4.0		mg/l	0.50	--	1	-	04/18/11 14:01	1,9060	DW

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

Lab Number: L1104882
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-12
Client ID: DUP (SW-09)
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 04/12/11 09:30
Date Received: 04/12/11
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	04/14/11 12:00	04/15/11 13:47	1,9010B/9012A	JO
Nitrogen, Ammonia	0.089		mg/l	0.075	--	1	04/13/11 16:00	04/14/11 21:02	30,4500NH3-BH	AT
Nitrogen, Nitrate	0.18		mg/l	0.10	--	1	-	04/12/11 22:33	30,4500NO3-F	TH
Phosphorus, Total	0.010		mg/l	0.010	--	1	04/19/11 11:00	04/19/11 16:16	30,4500P-E	SD
Sulfide	ND		mg/l	0.10	--	1	04/18/11 17:00	04/18/11 21:21	1,9030B	AT
Total Organic Carbon	4.1		mg/l	0.50	--	1	-	04/18/11 14:01	1,9060	DW

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

Lab Number: L1104882
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-13
Client ID: SW-17
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 04/12/11 10:10
Date Received: 04/12/11
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	04/14/11 12:00	04/15/11 13:47	1,9010B/9012A	JO
Nitrogen, Ammonia	ND		mg/l	0.075	--	1	04/13/11 16:00	04/14/11 21:04	30,4500NH3-BH	AT
Nitrogen, Nitrate	0.66		mg/l	0.10	--	1	-	04/12/11 22:34	30,4500NO3-F	TH
Phosphorus, Total	0.010		mg/l	0.010	--	1	04/19/11 11:00	04/19/11 16:16	30,4500P-E	SD
Sulfide	ND		mg/l	0.10	--	1	04/18/11 17:00	04/18/11 21:22	1,9030B	AT
Total Organic Carbon	5.2		mg/l	0.50	--	1	-	04/18/11 14:01	1,9060	DW

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

Lab Number: L1104882
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-14
Client ID: SW-04
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 04/12/11 12:10
Date Received: 04/12/11
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	04/14/11 12:00	04/15/11 13:48	1,9010B/9012A	JO
Nitrogen, Ammonia	0.122		mg/l	0.075	--	1	04/13/11 16:00	04/14/11 21:04	30,4500NH3-BH	AT
Nitrogen, Nitrate	0.89		mg/l	0.10	--	1	-	04/12/11 22:35	30,4500NO3-F	TH
Phosphorus, Total	0.021		mg/l	0.010	--	1	04/19/11 11:00	04/19/11 16:17	30,4500P-E	SD
Sulfide	ND		mg/l	0.10	--	1	04/18/11 17:00	04/18/11 21:23	1,9030B	AT
Total Organic Carbon	4.7		mg/l	0.50	--	1	-	04/18/11 14:01	1,9060	DW

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

Lab Number: L1104882
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-15
Client ID: SW-2
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 04/12/11 12:50
Date Received: 04/12/11
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	04/14/11 12:00	04/15/11 13:49	1,9010B/9012A	JO
Nitrogen, Ammonia	ND		mg/l	0.075	--	1	04/13/11 16:00	04/14/11 21:05	30,4500NH3-BH	AT
Nitrogen, Nitrate	0.63		mg/l	0.10	--	1	-	04/12/11 22:35	30,4500NO3-F	TH
Phosphorus, Total	0.013		mg/l	0.010	--	1	04/19/11 11:00	04/19/11 16:17	30,4500P-E	SD
Sulfide	ND		mg/l	0.10	--	1	04/18/11 17:00	04/18/11 21:23	1,9030B	AT
Total Organic Carbon	5.2		mg/l	0.50	--	1	-	04/18/11 14:01	1,9060	DW

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

Lab Number: L1104882
Report Date: 04/29/11

SAMPLE RESULTS

Lab ID: L1104882-16
Client ID: SW-1
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 04/12/11 13:10
Date Received: 04/12/11
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	04/14/11 12:00	04/15/11 13:50	1,9010B/9012A	JO
Nitrogen, Ammonia	ND		mg/l	0.075	--	1	04/13/11 16:00	04/14/11 21:06	30,4500NH3-BH	AT
Nitrogen, Nitrate	0.10		mg/l	0.10	--	1	-	04/12/11 22:36	30,4500NO3-F	TH
Phosphorus, Total	0.050		mg/l	0.010	--	1	04/19/11 11:00	04/19/11 16:17	30,4500P-E	SD
Sulfide	ND		mg/l	0.10	--	1	04/18/11 17:00	04/18/11 21:23	1,9030B	AT
Total Organic Carbon	6.2		mg/l	0.50	--	1	-	04/18/11 14:01	1,9060	DW

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

Lab Number: L1104882
Report Date: 04/29/11

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): 11-16 Batch: WG462665-2										
Nitrogen, Nitrate	ND		mg/l	0.10	--	1	-	04/13/11 00:16	30,4500NO3-F	TH
General Chemistry - Westborough Lab for sample(s): 11-16 Batch: WG462806-1										
Nitrogen, Ammonia	ND		mg/l	0.075	--	1	04/13/11 16:00	04/14/11 20:50	30,4500NH3-BH	AT
General Chemistry - Westborough Lab for sample(s): 11-16 Batch: WG462939-3										
Cyanide, Total	ND		mg/l	0.005	--	1	04/14/11 12:00	04/15/11 13:37	1,9010B/9012A	JO
General Chemistry - Westborough Lab for sample(s): 11-16 Batch: WG463542-1										
Sulfide	ND		mg/l	0.10	--	1	04/18/11 17:00	04/18/11 21:20	1,9030B	AT
General Chemistry - Westborough Lab for sample(s): 11-16 Batch: WG463545-1										
Total Organic Carbon	ND		mg/l	0.50	--	1	-	04/18/11 14:01	1,9060	DW
General Chemistry - Westborough Lab for sample(s): 11-16 Batch: WG463694-1										
Phosphorus, Total	ND		mg/l	0.010	--	1	04/19/11 11:00	04/19/11 16:14	30,4500P-E	SD

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1104882

Report Date: 04/29/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 11-16 Batch: WG462665-1								
Nitrogen, Nitrate	100		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 11-16 Batch: WG462806-2								
Nitrogen, Ammonia	104		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 11-16 Batch: WG462939-1 WG462939-2								
Cyanide, Total	93		92		80-120	1		
General Chemistry - Westborough Lab Associated sample(s): 11-16 Batch: WG463542-2								
Sulfide	85		-		75-125	-		
General Chemistry - Westborough Lab Associated sample(s): 11-16 Batch: WG463545-2								
Total Organic Carbon	110		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 11-16 Batch: WG463694-2								
Phosphorus, Total	97		-		85-115	-		

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1104882
Report Date: 04/29/11

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): 11-16 QC Batch ID: WG462665-3 QC Sample: L1104882-11 Client ID: SW-09												
Nitrogen, Nitrate	ND	4	4.2	105		-	-		83-113	-		17
General Chemistry - Westborough Lab Associated sample(s): 11-16 QC Batch ID: WG462806-3 QC Sample: L1104882-11 Client ID: SW-09												
Nitrogen, Ammonia	0.104	4	4.07	99		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 11-16 QC Batch ID: WG462939-4 WG462939-5 QC Sample: L1104831-13 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.191	96		0.194	97		80-120	2		30
General Chemistry - Westborough Lab Associated sample(s): 11-16 QC Batch ID: WG463542-3 WG463542-4 QC Sample: L1105044-03 Client ID: MS Sample												
Sulfide	ND	0.26	0.21	81		0.21	81		70-130	0		20
General Chemistry - Westborough Lab Associated sample(s): 11-16 QC Batch ID: WG463545-3 QC Sample: L1104831-13 Client ID: MS Sample												
Total Organic Carbon	3.5	4	7.9	110		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 11-16 QC Batch ID: WG463694-3 QC Sample: L1104852-13 Client ID: MS Sample												
Phosphorus, Total	4.86	6.25	4.65	0	Q	-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

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

Lab Number: L1104882
Report Date: 04/29/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 11-16 QC Batch ID: WG462665-4 QC Sample: L1104882-11 Client ID: SW-09						
Nitrogen, Nitrate	ND	ND	mg/l	NC		17
General Chemistry - Westborough Lab Associated sample(s): 11-16 QC Batch ID: WG462806-4 QC Sample: L1104882-12 Client ID: DUP (SW-09)						
Nitrogen, Ammonia	0.089	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 11-16 QC Batch ID: WG463545-4 QC Sample: L1104882-11 Client ID: SW-09						
Total Organic Carbon	4.0	4.1	mg/l	2		20
General Chemistry - Westborough Lab Associated sample(s): 11-16 QC Batch ID: WG463694-4 QC Sample: L1104852-13 Client ID: DUP Sample						
Phosphorus, Total	4.86	4.82	mg/l	1		20

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

Lab Number: L1104882
Report Date: 04/29/11

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(*)
L1104882-01A	Vial HCl preserved	A	N/A	2	Y	Absent	8260(14)
L1104882-01B	Vial HCl preserved	A	N/A	2	Y	Absent	8260(14)
L1104882-01C	Plastic 250ml HNO3 preserved	A	<2	2	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)
L1104882-01D	Amber 1000ml unpreserved	A	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104882-01E	Amber 1000ml unpreserved	A	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104882-02A	Vial HCl preserved	A	N/A	2	Y	Absent	8260(14)
L1104882-02B	Vial HCl preserved	A	N/A	2	Y	Absent	8260(14)
L1104882-02C	Plastic 250ml HNO3 preserved	A	<2	2	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)
L1104882-02D	Amber 1000ml unpreserved	A	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104882-02E	Amber 1000ml unpreserved	A	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104882-03A	Vial HCl preserved	B	N/A	2.8	Y	Absent	8260(14)
L1104882-03B	Vial HCl preserved	B	N/A	2.8	Y	Absent	8260(14)
L1104882-03C	Plastic 250ml HNO3 preserved	B	<2	2.8	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)
L1104882-03D	Amber 1000ml unpreserved	B	7	2.8	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104882-03E	Amber 1000ml unpreserved	B	7	2.8	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: L1104882
Report Date: 04/29/11

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1104882-04A	Vial HCl preserved	B	N/A	2.8	Y	Absent	8260(14)
L1104882-04B	Vial HCl preserved	B	N/A	2.8	Y	Absent	8260(14)
L1104882-04C	Plastic 250ml HNO3 preserved	B	<2	2.8	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)
L1104882-04D	Amber 1000ml unpreserved	B	7	2.8	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104882-04E	Amber 1000ml unpreserved	B	7	2.8	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104882-05A	Vial HCl preserved	B	N/A	2.8	Y	Absent	8260(14)
L1104882-05B	Vial HCl preserved	B	N/A	2.8	Y	Absent	8260(14)
L1104882-05C	Plastic 250ml HNO3 preserved	B	<2	2.8	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)
L1104882-05D	Amber 1000ml unpreserved	B	7	2.8	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104882-05E	Amber 1000ml unpreserved	B	7	2.8	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104882-06A	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1104882-06B	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1104882-06C	Plastic 250ml HNO3 preserved	C	<2	2	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)
L1104882-06D	Amber 1000ml unpreserved	C	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104882-06E	Amber 1000ml unpreserved	C	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104882-06F	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1104882-06G	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1104882-06H	Plastic 250ml HNO3 preserved	C	<2	2	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)
L1104882-06I	Amber 1000ml unpreserved	C	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104882-06J	Amber 1000ml unpreserved	C	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104882-06K	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1104882-06L	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)

*Values in parentheses indicate holding time in days

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

Lab Number: L1104882
Report Date: 04/29/11

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1104882-06M	Plastic 250ml HNO3 preserved	C	<2	2	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)
L1104882-06N	Amber 1000ml unpreserved	C	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104882-06O	Amber 1000ml unpreserved	C	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104882-07A	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1104882-07B	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1104882-07C	Plastic 250ml HNO3 preserved	C	<2	2	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)
L1104882-07D	Amber 1000ml unpreserved	C	8	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104882-07E	Amber 1000ml unpreserved	C	8	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104882-08A	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1104882-08B	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1104882-08C	Plastic 250ml HNO3 preserved	C	<2	2	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)
L1104882-08D	Amber 1000ml unpreserved	C	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104882-08E	Amber 1000ml unpreserved	C	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104882-09A	Vial HCl preserved	A	N/A	2	Y	Absent	8260(14)
L1104882-09B	Vial HCl preserved	A	N/A	2	Y	Absent	8260(14)
L1104882-09C	Plastic 250ml HNO3 preserved	A	<2	2	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)
L1104882-09D	Amber 1000ml unpreserved	A	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104882-09E	Amber 1000ml unpreserved	A	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1104882-10A	Vial HCl preserved	A	N/A	2	Y	Absent	8260(14)
L1104882-10B	Vial HCl preserved	A	N/A	2	Y	Absent	8260(14)
L1104882-10C	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1104882-11A	Vial H2SO4 preserved	A	N/A	2	Y	Absent	TOC-9060(28)
L1104882-11B	Vial H2SO4 preserved	A	N/A	2	Y	Absent	TOC-9060(28)

*Values in parentheses indicate holding time in days

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

Lab Number: L1104882
Report Date: 04/29/11

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1104882-11C	Plastic 250ml HNO3 preserved	A	<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)
L1104882-11D	Plastic 250ml HNO3 preserved	A	<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)
L1104882-11E	Plastic 250ml NaOH preserved	A	>12	2	Y	Absent	TCN-9010(14)
L1104882-11F	Plastic 250ml Zn Acetate/NaOH pr	A	>12	2	Y	Absent	SULFIDE-9030(7)
L1104882-11G	Plastic 250ml Zn Acetate/NaOH pr	A	>12	2	Y	Absent	SULFIDE-9030(7)
L1104882-11H	Plastic 500ml H2SO4 preserved	A	<2	2	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1104882-11I	Plastic 250ml unpreserved	A	7	2	Y	Absent	NO3-4500(2)
L1104882-11J	Plastic 500ml unpreserved	A	7	2	Y	Absent	-
L1104882-11X	Plastic 250ml HNO3 preserved spl	A	<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)
L1104882-12A	Vial H2SO4 preserved	A	N/A	2	Y	Absent	TOC-9060(28)
L1104882-12B	Vial H2SO4 preserved	A	N/A	2	Y	Absent	TOC-9060(28)
L1104882-12C	Plastic 250ml HNO3 preserved	A	<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)
L1104882-12D	Plastic 250ml HNO3 preserved	A	<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)
L1104882-12E	Plastic 250ml NaOH preserved	A	>12	2	Y	Absent	TCN-9010(14)
L1104882-12F	Plastic 250ml Zn Acetate/NaOH pr	A	>12	2	Y	Absent	SULFIDE-9030(7)
L1104882-12G	Plastic 250ml Zn Acetate/NaOH pr	A	>12	2	Y	Absent	SULFIDE-9030(7)
L1104882-12H	Plastic 500ml H2SO4 preserved	A	<2	2	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1104882-12I	Plastic 250ml unpreserved	A	7	2	Y	Absent	NO3-4500(2)
L1104882-12J	Plastic 500ml unpreserved	A	7	2	Y	Absent	-

*Values in parentheses indicate holding time in days

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

Lab Number: L1104882
Report Date: 04/29/11

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1104882-12X	Plastic 250ml HNO3 preserved spl	A	<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)
L1104882-13A	Vial H2SO4 preserved	B	N/A	2.8	Y	Absent	TOC-9060(28)
L1104882-13B	Vial H2SO4 preserved	B	N/A	2.8	Y	Absent	TOC-9060(28)
L1104882-13C	Plastic 250ml HNO3 preserved	B	<2	2.8	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)
L1104882-13D	Plastic 250ml HNO3 preserved	B	<2	2.8	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)
L1104882-13E	Plastic 250ml NaOH preserved	B	>12	2.8	Y	Absent	TCN-9010(14)
L1104882-13F	Plastic 250ml Zn Acetate/NaOH pr	B	>12	2.8	Y	Absent	SULFIDE-9030(7)
L1104882-13G	Plastic 250ml Zn Acetate/NaOH pr	B	>12	2.8	Y	Absent	SULFIDE-9030(7)
L1104882-13H	Plastic 500ml H2SO4 preserved	B	<2	2.8	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1104882-13I	Plastic 250ml unpreserved	B	7	2.8	Y	Absent	NO3-4500(2)
L1104882-13J	Plastic 500ml unpreserved	B	7	2.8	Y	Absent	-
L1104882-13X	Plastic 250ml HNO3 preserved spl	B	<2	2.8	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)
L1104882-14A	Vial H2SO4 preserved	A	N/A	2	Y	Absent	TOC-9060(28)
L1104882-14B	Vial H2SO4 preserved	A	N/A	2	Y	Absent	TOC-9060(28)
L1104882-14C	Plastic 250ml HNO3 preserved	A	<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)
L1104882-14D	Plastic 250ml HNO3 preserved	A	<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)
L1104882-14E	Plastic 250ml NaOH preserved	A	>12	2	Y	Absent	TCN-9010(14)

*Values in parentheses indicate holding time in days

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

Lab Number: L1104882
Report Date: 04/29/11

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1104882-14F	Plastic 250ml Zn Acetate/NaOH pr	A	>12	2	Y	Absent	SULFIDE-9030(7)
L1104882-14G	Plastic 250ml Zn Acetate/NaOH pr	A	>12	2	Y	Absent	SULFIDE-9030(7)
L1104882-14H	Plastic 500ml H2SO4 preserved	A	<2	2	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1104882-14I	Plastic 250ml unpreserved	A	7	2	Y	Absent	NO3-4500(2)
L1104882-14J	Plastic 500ml unpreserved	A	7	2	Y	Absent	-
L1104882-14X	Plastic 250ml HNO3 preserved spl	A	<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)
L1104882-15A	Vial H2SO4 preserved	A	N/A	2	Y	Absent	TOC-9060(28)
L1104882-15B	Vial H2SO4 preserved	A	N/A	2	Y	Absent	TOC-9060(28)
L1104882-15C	Plastic 250ml HNO3 preserved	A	<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)
L1104882-15D	Plastic 250ml HNO3 preserved	A	<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)
L1104882-15E	Plastic 250ml NaOH preserved	A	>12	2	Y	Absent	TCN-9010(14)
L1104882-15F	Plastic 250ml Zn Acetate/NaOH pr	A	>12	2	Y	Absent	SULFIDE-9030(7)
L1104882-15G	Plastic 250ml Zn Acetate/NaOH pr	A	>12	2	Y	Absent	SULFIDE-9030(7)
L1104882-15H	Plastic 500ml H2SO4 preserved	A	<2	2	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1104882-15I	Plastic 250ml unpreserved	A	7	2	Y	Absent	NO3-4500(2)
L1104882-15J	Plastic 500ml unpreserved	A	7	2	Y	Absent	-
L1104882-15X	Plastic 250ml HNO3 preserved spl	A	<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)
L1104882-16A	Vial H2SO4 preserved	B	N/A	2.8	Y	Absent	TOC-9060(28)
L1104882-16B	Vial H2SO4 preserved	B	N/A	2.8	Y	Absent	TOC-9060(28)
L1104882-16C	Plastic 250ml HNO3 preserved	B	<2	2.8	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: L1104882
Report Date: 04/29/11

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1104882-16D	Plastic 250ml HNO3 preserved	B	<2	2.8	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)
L1104882-16E	Plastic 250ml NaOH preserved	B	>12	2.8	Y	Absent	TCN-9010(14)
L1104882-16F	Plastic 250ml Zn Acetate/NaOH pr	B	>12	2.8	Y	Absent	SULFIDE-9030(7)
L1104882-16G	Plastic 250ml Zn Acetate/NaOH pr	B	>12	2.8	Y	Absent	SULFIDE-9030(7)
L1104882-16H	Plastic 500ml H2SO4 preserved	B	<2	2.8	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1104882-16I	Plastic 250ml unpreserved	B	7	2.8	Y	Absent	NO3-4500(2)
L1104882-16J	Plastic 500ml unpreserved	B	7	2.8	Y	Absent	-
L1104882-16X	Plastic 250ml HNO3 preserved spl	B	<2	2.8	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:	L1104882
Project Number:	CJI-1747	Report Date:	04/29/11

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.
- 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.

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.
- 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.
- 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. 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

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1104882
Project Number:	CJI-1747	Report Date:	04/29/11

Data Qualifiers

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:	L1104882
Project Number:	CJI-1747	Report Date:	04/29/11

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 February 23, 2011 - 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 ñColilert (SM9223 P/A), E. Coli. ñColilert (S M9223 P/A), HPC ñPour Plate (SM9215B), Fecal Coliform ñ 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 ñMF mEndo (SM9222B), Total Coliform ñ MTF (SM9221B), HPC ñPour Plate (SM9215B), Fecal Coliform ñMF m-FC (SM9222D), Feca l Coliform ñA-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, Nitroaro matics & 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, 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, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

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, Aldrin, Dieldrin, DDD, DDE, DDT, 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, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, 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, 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, 3580A, 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, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270C-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 7196A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 8270C-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.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. NELAP Accredited.
Drinking Water (Organic Parameters: EPA 524.2)

Non-Potable Water (Inorganic Parameters: EPA 1312. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B,

3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 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, 376.2, 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 S2ØD, 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.)

Department of Defense 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.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: 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. EPA 350.1 for Ammonia 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: 4/12/11

ALPHA Job #: L1104882

Project Information

Project Name: Rose Hill Landfill

Project Location: South Kingstown, RI

Project #: CJI-1747

Project Manager: Chris Feeney

ALPHA Quote #:

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

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/21/11 Time:

Other Project Specific Requirements/Comments/Detection Limits:

Report Information

☐ FAX ☐ EMAIL

☒ AOEx ☐ Add'l Deliverables

Data 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	VOC-8260	SVOCs-8270	Total Metals										Sample Specific Comments	TOTAL # BOTTLES
4882-1	MW-4DO	4/12/11	8:50	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		5
-2	MW-4S	4/12/11	9:22	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-3	MW-3BR	4/12/11	10:15	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-4	DUP (MW-3BR)	4/12/11	10:15	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-5	MW-3S	4/12/11	10:51	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-6	MW-12S	4/12/11	11:32	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-7	MS (MW-12S)	4/12/11	11:32	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-8	MSD (MW-12S)	4/12/11	11:32	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-9	MW-12DO	4/12/11	12:16	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-10	MW-13S	4/12/11	1:42	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
	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
[signature]	4/12/11 3:30	[signature]	4/12/11 1610
[signature]	4/12/11 1800	[signature]	4/12/11 1802

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:04291118:45

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: 4/12/11 | ALPHA Job #: L1104882

Project Information

Project Name: Rose Hill Landfill
Project Location: South Kingstown, RI
Project #: CJI-1747
Project Manager: Chris Feeney
ALPHA Quote #:

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

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)
Due Date: 4/21/11 Time:

Other Project Specific Requirements/Comments/Detection Limits:

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

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
482.9	Field Blank	4/12/11	1:50	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		5
.10	Trip Blank					☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		1
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		

Container Type	V	A	P	-	-	-	-	-	-	-	-	-
Preservative	B	A	C	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
	4/12/11 3:30		4/12/11 1610
	4/12/11 1800		4/12/11 1802

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:04291118:45

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: 4/12/11

ALPHA Job #: L1104882

Project Information

Project Name: Rose Hill Landfill

Project Location: South Kingstown, RI

Project #: CJI-1747

Project Manager: Chris Feeney

ALPHA Quote #:

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

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/21/11 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	Sulfide	NH3, TPhos	TCN	TOC	NO3	Dissolved Metals	Total Metals	Hardness					Sample Specific Comments	TOTAL # BOTTLES
480.11	SW-09	4/12/11	9:30	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		10
.12	DUP (SW-09)	4/12/11	9:30	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		
.13	SW-17	4/12/11	10:10	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		
.14	SW-04	4/12/11	12:10	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		
.15	SW-2	4/12/11	12:50	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		
.16	SW-1	4/12/11	1:10	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
[signature]	4/12/11 3:22	[signature]	4/12/11 1610
[signature]	4/12/11 1800	[signature]	4/12/11 1800

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:04291118:45

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: 4/12/11 ALPHA Job #: L1104882

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: 4/21/11 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
1	~~MW-4DO~~	4/12/11	8:50	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		5
2	~~MW-4S~~	4/12/11	9:22	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
3	~~MW-3BR~~	4/12/11	10:15	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
4	~~DUP (MW-3BR)~~	4/12/11	10:15	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
5	~~MW-3S~~	4/12/11	10:51	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
6	MW-12S	4/12/11	11:32	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
7	MS (MW-12S)	4/12/11	11:32	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
8	MSD (MW-12S)	4/12/11	11:32	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
9	MW-12DO	4/12/11	12:16	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
10	MW-13S	4/12/11	1:42	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
					Container Type	V	A	P	-	-	-	-	-	-	-	-	-		
					Preservative	B	A	C	-	-	-	-	-	-	-	-	-		

Relinquished By:	Date/Time	Received By:	Date/Time
[signature] (LB)	4/12/11 3:30	[signature] (LB)	4/12/11 1810
	~~4/12/11 1800~~		~~4/12/11 1800~~
	4/13/11 1800		4/13/11 1800

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:04291118:45

ANALYTICAL REPORT

Lab Number:	L1105175
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:	04/25/11

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-MA030), NY (11627), CT (PH-0141), NH (2206), NJ (MA015), RI (LAO00299), ME (MA0030), PA (Registration #68-02089), LA NELAC (03090), FL NELAC (E87814), 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: L1105175
Report Date: 04/25/11

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1105175-01	GP-18	SOUTH KINGSTOWN, RI	04/14/11 14:06
L1105175-02	GP-16	SOUTH KINGSTOWN, RI	04/14/11 14:05
L1105175-03	GP-11	SOUTH KINGSTOWN, RI	04/14/11 14:09
L1105175-04	DUP (GP-11)	SOUTH KINGSTOWN, RI	04/14/11 14:09
L1105175-05	FIELD BLANK	SOUTH KINGSTOWN, RI	04/14/11 14:01
L1105175-06	GP-21	SOUTH KINGSTOWN, RI	04/14/11 14:00

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1105175
Project Number:	CJI-1747	Report Date:	04/25/11

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. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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.

For additional information, please contact Client Services at 800-624-9220.

Volatile Organics in Air

The canister certification results are provided as an addendum.

L1105175-05 The RPD of the pre- and post-flow controller calibration check (29% RPD) was outside acceptable limits (< or = 20% RPD).

L1105175-06 has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample. The results for Propylene should be considered estimated due to co-elution with a non-target peak.

The WG464407-3 LCS recoveries for 1,2-Dichloroethane (68%) and cis-1,3-Dichloropropene (134%) are outside the 70%-130% acceptance limit. The LCS was within overall method allowances, therefore the

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1105175
Project Number:	CJI-1747	Report Date:	04/25/11

Case Narrative (continued)

analysis proceeded.

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: 04/25/11

AIR

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

Lab Number: L1105175
Report Date: 04/25/11

SAMPLE RESULTS

Lab ID: L1105175-01
Client ID: GP-18
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/23/11 18:27
Analyst: AR

Date Collected: 04/14/11 14:06
Date Received: 04/14/11
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 (Low Level) - Mansfield Lab								
Propylene	1.47	0.500	--	2.53	0.860	--		1
Dichlorodifluoromethane	0.434	0.200	--	2.14	0.988	--		1
Chloromethane	0.714	0.200	--	1.47	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	0.776	--		1
Chloroethane	ND	0.200	--	ND	0.527	--		1
Trichlorofluoromethane	0.207	0.200	--	1.16	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	ND	0.200	--	ND	0.622	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.720	--		1
2-Butanone	4.31	0.200	--	12.7	0.589	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Chloroform	ND	0.200	--	ND	0.976	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.704	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.638	--		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: L1105175
Report Date: 04/25/11

SAMPLE RESULTS

Lab ID: L1105175-01
Client ID: GP-18
Sample Location: SOUTH KINGSTOWN, RI

Date Collected: 04/14/11 14:06
Date Received: 04/14/11
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 (Low Level) - Mansfield Lab								
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	0.907	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.211	0.200	--	0.794	0.753	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.920	--		1
Ethylbenzene	ND	0.200	--	ND	0.868	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Styrene	ND	0.200	--	ND	0.851	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.868	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.982	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.982	--		1
Benzyl chloride	ND	0.200	--	ND	1.03	--		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:	L1105175
Project Number:	CJI-1747	Report Date:	04/25/11

SAMPLE RESULTS

Lab ID:	L1105175-01	Date Collected:	04/14/11 14:06
Client ID:	GP-18	Date Received:	04/14/11
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 (Low Level) - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	109		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	75		60-140

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1105175
Project Number:	CJI-1747	Report Date:	04/25/11

SAMPLE RESULTS

Lab ID:	L1105175-02	Date Collected:	04/14/11 14:05
Client ID:	GP-16	Date Received:	04/14/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15		
Analytical Date:	04/23/11 19:03		
Analyst:	AR		

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Propylene	9.73	0.500	--	16.7	0.860	--		1
Dichlorodifluoromethane	1.01	0.200	--	4.99	0.988	--		1
Chloromethane	0.888	0.200	--	1.83	0.413	--		1
Freon-114	0.549	0.200	--	3.83	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	0.776	--		1
Chloroethane	ND	0.200	--	ND	0.527	--		1
Trichlorofluoromethane	0.213	0.200	--	1.20	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	1.23	0.200	--	3.84	0.622	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.720	--		1
2-Butanone	42.5	0.200	--	125	0.589	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Chloroform	ND	0.200	--	ND	0.976	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.567	0.200	--	2.00	0.704	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.638	--		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: L1105175
Report Date: 04/25/11

SAMPLE RESULTS

Lab ID: L1105175-02
Client ID: GP-16
Sample Location: SOUTH KINGSTOWN, RI

Date Collected: 04/14/11 14:05
Date Received: 04/14/11
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 (Low Level) - Mansfield Lab								
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	0.907	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.511	0.200	--	1.92	0.753	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.920	--		1
Ethylbenzene	ND	0.200	--	ND	0.868	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Styrene	ND	0.200	--	ND	0.851	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.868	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.982	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.982	--		1
Benzyl chloride	ND	0.200	--	ND	1.03	--		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:	L1105175
Project Number:	CJI-1747	Report Date:	04/25/11

SAMPLE RESULTS

Lab ID:	L1105175-02	Date Collected:	04/14/11 14:05
Client ID:	GP-16	Date Received:	04/14/11
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 (Low Level) - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	110		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	79		60-140

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

Lab Number: L1105175
Report Date: 04/25/11

SAMPLE RESULTS

Lab ID: L1105175-03
Client ID: GP-11
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/23/11 20:16
Analyst: AR

Date Collected: 04/14/11 14:09
Date Received: 04/14/11
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 (Low Level) - Mansfield Lab								
Propylene	11.6	0.500	--	20.0	0.860	--		1
Dichlorodifluoromethane	0.894	0.200	--	4.42	0.988	--		1
Chloromethane	1.60	0.200	--	3.31	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	0.240	0.200	--	0.613	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.776	--		1
Chloroethane	ND	0.200	--	ND	0.527	--		1
Trichlorofluoromethane	0.246	0.200	--	1.38	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	0.880	0.200	--	2.74	0.622	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.720	--		1
2-Butanone	27.8	0.200	--	82.0	0.589	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Chloroform	ND	0.200	--	ND	0.976	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.386	0.200	--	1.36	0.704	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.573	0.200	--	1.83	0.638	--		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: L1105175
Report Date: 04/25/11

SAMPLE RESULTS

Lab ID: L1105175-03
Client ID: GP-11
Sample Location: SOUTH KINGSTOWN, RI

Date Collected: 04/14/11 14:09
Date Received: 04/14/11
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 (Low Level) - Mansfield Lab								
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	0.907	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.318	0.200	--	1.20	0.753	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.920	--		1
Ethylbenzene	ND	0.200	--	ND	0.868	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Styrene	ND	0.200	--	ND	0.851	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.868	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.982	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.982	--		1
Benzyl chloride	ND	0.200	--	ND	1.03	--		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:	L1105175
Project Number:	CJI-1747	Report Date:	04/25/11

SAMPLE RESULTS

Lab ID:	L1105175-03	Date Collected:	04/14/11 14:09
Client ID:	GP-11	Date Received:	04/14/11
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 (Low Level) - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	129		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	97		60-140

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

Lab Number: L1105175
Report Date: 04/25/11

SAMPLE RESULTS

Lab ID: L1105175-04
Client ID: DUP (GP-11)
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/23/11 20:52
Analyst: AR

Date Collected: 04/14/11 14:09
Date Received: 04/14/11
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 (Low Level) - Mansfield Lab								
Propylene	10.7	0.500	--	18.5	0.860	--		1
Dichlorodifluoromethane	0.776	0.200	--	3.83	0.988	--		1
Chloromethane	1.67	0.200	--	3.44	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	0.261	0.200	--	0.667	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.776	--		1
Chloroethane	ND	0.200	--	ND	0.527	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	0.700	0.200	--	2.18	0.622	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.720	--		1
2-Butanone	27.1	0.200	--	79.9	0.589	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Chloroform	ND	0.200	--	ND	0.976	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.567	0.200	--	2.00	0.704	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.454	0.200	--	1.45	0.638	--		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: L1105175
Report Date: 04/25/11

SAMPLE RESULTS

Lab ID: L1105175-04
Client ID: DUP (GP-11)
Sample Location: SOUTH KINGSTOWN, RI

Date Collected: 04/14/11 14:09
Date Received: 04/14/11
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 (Low Level) - Mansfield Lab								
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	0.907	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.322	0.200	--	1.21	0.753	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.920	--		1
Ethylbenzene	ND	0.200	--	ND	0.868	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Styrene	ND	0.200	--	ND	0.851	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.868	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.982	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.982	--		1
Benzyl chloride	ND	0.200	--	ND	1.03	--		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:	L1105175
Project Number:	CJI-1747	Report Date:	04/25/11

SAMPLE RESULTS

Lab ID:	L1105175-04	Date Collected:	04/14/11 14:09
Client ID:	DUP (GP-11)	Date Received:	04/14/11
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 (Low Level) - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	129		60-140
Bromochloromethane	130		60-140
chlorobenzene-d5	96		60-140

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

Lab Number: L1105175
Report Date: 04/25/11

SAMPLE RESULTS

Lab ID: L1105175-05
Client ID: FIELD BLANK
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/23/11 17:51
Analyst: AR

Date Collected: 04/14/11 14:01
Date Received: 04/14/11
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 (Low Level) - Mansfield Lab								
Propylene	ND	0.500	--	ND	0.860	--		1
Dichlorodifluoromethane	0.456	0.200	--	2.25	0.988	--		1
Chloromethane	0.582	0.200	--	1.20	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	0.776	--		1
Chloroethane	ND	0.200	--	ND	0.527	--		1
Trichlorofluoromethane	0.223	0.200	--	1.25	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	ND	0.200	--	ND	0.622	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.720	--		1
2-Butanone	ND	0.200	--	ND	0.589	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Chloroform	ND	0.200	--	ND	0.976	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.704	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.638	--		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: L1105175
Report Date: 04/25/11

SAMPLE RESULTS

Lab ID: L1105175-05
Client ID: FIELD BLANK
Sample Location: SOUTH KINGSTOWN, RI

Date Collected: 04/14/11 14:01
Date Received: 04/14/11
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 (Low Level) - Mansfield Lab								
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	0.907	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.753	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.920	--		1
Ethylbenzene	ND	0.200	--	ND	0.868	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Styrene	ND	0.200	--	ND	0.851	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.868	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.982	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.982	--		1
Benzyl chloride	ND	0.200	--	ND	1.03	--		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:	L1105175
Project Number:	CJI-1747	Report Date:	04/25/11

SAMPLE RESULTS

Lab ID:	L1105175-05	Date Collected:	04/14/11 14:01
Client ID:	FIELD BLANK	Date Received:	04/14/11
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 (Low Level) - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	112		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	79		60-140

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

Lab Number: L1105175
Report Date: 04/25/11

SAMPLE RESULTS

Lab ID: L1105175-06 D
Client ID: GP-21
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/23/11 21:27
Analyst: AR

Date Collected: 04/14/11 14:00
Date Received: 04/14/11
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 (Low Level) - Mansfield Lab								
Propylene	34.2	1.25	--	58.8	2.15	--		2.5
Dichlorodifluoromethane	0.960	0.500	--	4.74	2.47	--		2.5
Chloromethane	1.84	0.500	--	3.79	1.03	--		2.5
Freon-114	0.828	0.500	--	5.78	3.49	--		2.5
Vinyl chloride	ND	0.500	--	ND	1.28	--		2.5
1,3-Butadiene	ND	0.500	--	ND	1.10	--		2.5
Bromomethane	ND	0.500	--	ND	1.94	--		2.5
Chloroethane	ND	0.500	--	ND	1.32	--		2.5
Trichlorofluoromethane	ND	0.500	--	ND	2.81	--		2.5
1,1-Dichloroethene	ND	0.500	--	ND	1.98	--		2.5
Methylene chloride	ND	2.50	--	ND	8.68	--		2.5
Carbon disulfide	1.84	0.500	--	5.74	1.56	--		2.5
Freon-113	ND	0.500	--	ND	3.83	--		2.5
trans-1,2-Dichloroethene	ND	0.500	--	ND	1.98	--		2.5
1,1-Dichloroethane	ND	0.500	--	ND	2.02	--		2.5
Methyl tert butyl ether	ND	0.500	--	ND	1.80	--		2.5
2-Butanone	60.0	0.500	--	177	1.47	--		2.5
cis-1,2-Dichloroethene	ND	0.500	--	ND	1.98	--		2.5
Chloroform	ND	0.500	--	ND	2.44	--		2.5
1,2-Dichloroethane	ND	0.500	--	ND	2.02	--		2.5
n-Hexane	2.64	0.500	--	9.31	1.76	--		2.5
1,1,1-Trichloroethane	ND	0.500	--	ND	2.72	--		2.5
Benzene	0.530	0.500	--	1.69	1.60	--		2.5
Carbon tetrachloride	ND	0.500	--	ND	3.14	--		2.5
Cyclohexane	0.660	0.500	--	2.27	1.72	--		2.5

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

Lab Number: L1105175
Report Date: 04/25/11

SAMPLE RESULTS

Lab ID: L1105175-06 D
Client ID: GP-21
Sample Location: SOUTH KINGSTOWN, RI

Date Collected: 04/14/11 14:00
Date Received: 04/14/11
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 (Low Level) - Mansfield Lab								
1,2-Dichloropropane	ND	0.500	--	ND	2.31	--		2.5
Trichloroethene	0.968	0.500	--	5.19	2.68	--		2.5
cis-1,3-Dichloropropene	ND	0.500	--	ND	2.27	--		2.5
trans-1,3-Dichloropropene	ND	0.500	--	ND	2.27	--		2.5
1,1,2-Trichloroethane	ND	0.500	--	ND	2.72	--		2.5
Toluene	0.752	0.500	--	2.83	1.88	--		2.5
1,2-Dibromoethane	ND	0.500	--	ND	3.84	--		2.5
Tetrachloroethene	ND	0.500	--	ND	3.39	--		2.5
Chlorobenzene	ND	0.500	--	ND	2.30	--		2.5
Ethylbenzene	ND	0.500	--	ND	2.17	--		2.5
p/m-Xylene	ND	1.00	--	ND	4.34	--		2.5
Styrene	ND	0.500	--	ND	2.13	--		2.5
1,1,2,2-Tetrachloroethane	ND	0.500	--	ND	3.43	--		2.5
o-Xylene	ND	0.500	--	ND	2.17	--		2.5
1,3,5-Trimethybenzene	ND	0.500	--	ND	2.46	--		2.5
1,2,4-Trimethylbenzene	ND	0.500	--	ND	2.46	--		2.5
Benzyl chloride	ND	0.500	--	ND	2.59	--		2.5
1,3-Dichlorobenzene	ND	0.500	--	ND	3.00	--		2.5
1,4-Dichlorobenzene	ND	0.500	--	ND	3.00	--		2.5
1,2-Dichlorobenzene	ND	0.500	--	ND	3.00	--		2.5
1,2,4-Trichlorobenzene	ND	0.500	--	ND	3.71	--		2.5
Hexachlorobutadiene	ND	0.500	--	ND	5.33	--		2.5

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1105175
Project Number:	CJI-1747	Report Date:	04/25/11

SAMPLE RESULTS

Lab ID:	L1105175-06 D	Date Collected:	04/14/11 14:00
Client ID:	GP-21	Date Received:	04/14/11
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 (Low Level) - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	117		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	82		60-140

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

Lab Number: L1105175
Report Date: 04/25/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/23/11 13:09

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01-06 Batch: WG464407-4								
Propylene	ND	0.500	--	ND	0.860	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.988	--		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	0.776	--		1
Chloroethane	ND	0.200	--	ND	0.527	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.37	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.792	--		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	0.622	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.720	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.589	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

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

Lab Number: L1105175
Report Date: 04/25/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/23/11 13:09

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01-06 Batch: WG464407-4								
Chloroform	ND	0.200	--	ND	0.976	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.589	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.704	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.638	--		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	0.720	--		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	0.819	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.819	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.753	--		1
2-Hexanone	ND	0.200	--	ND	0.819	--		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	0.920	--		1
Ethylbenzene	ND	0.200	--	ND	0.868	--		1

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

Lab Number: L1105175
Report Date: 04/25/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/23/11 13:09

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01-06 Batch: WG464407-4								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.06	--		1
Styrene	ND	0.200	--	ND	0.851	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.868	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.982	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.982	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.982	--		1
Benzyl chloride	ND	0.200	--	ND	1.03	--		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: L1105175

Report Date: 04/25/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-06 Batch: WG464407-3								
Chlorodifluoromethane	100		-		70-130	-		
Propylene	109		-		70-130	-		
Propane	108		-		70-130	-		
Dichlorodifluoromethane	99		-		70-130	-		
Chloromethane	117		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	111		-		70-130	-		
Methanol	121		-		70-130	-		
Vinyl chloride	112		-		70-130	-		
1,3-Butadiene	117		-		70-130	-		
Butane	113		-		70-130	-		
Bromomethane	105		-		70-130	-		
Chloroethane	111		-		70-130	-		
Ethyl Alcohol	112		-		70-130	-		
Dichlorofluoromethane	105		-		70-130	-		
Vinyl bromide	109		-		70-130	-		
Acrolein	125		-		70-130	-		
Acetone	123		-		70-130	-		
Acetonitrile	135	Q	-		70-130	-		
Trichlorofluoromethane	103		-		70-130	-		
iso-Propyl Alcohol	108		-		70-130	-		
Acrylonitrile	113		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1105175

Report Date: 04/25/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-06 Batch: WG464407-3								
Pentane	120		-		70-130	-		
Ethyl ether	130		-		70-130	-		
1,1-Dichloroethene	96		-		70-130	-		
tert-Butyl Alcohol	97		-		70-130	-		
Methylene chloride	82		-		70-130	-		
3-Chloropropene	91		-		70-130	-		
Carbon disulfide	114		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	114		-		70-130	-		
trans-1,2-Dichloroethene	118		-		70-130	-		
1,1-Dichloroethane	118		-		70-130	-		
Methyl tert butyl ether	116		-		70-130	-		
Vinyl acetate	135	Q	-		70-130	-		
2-Butanone	83		-		70-130	-		
cis-1,2-Dichloroethene	72		-		70-130	-		
Ethyl Acetate	106		-		70-130	-		
Chloroform	93		-		70-130	-		
Tetrahydrofuran	58	Q	-		70-130	-		
2,2-Dichloropropane	89		-		70-130	-		
1,2-Dichloroethane	68	Q	-		70-130	-		
n-Hexane	113		-		70-130	-		
Isopropyl Ether	123		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1105175

Report Date: 04/25/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-06 Batch: WG464407-3								
Ethyl-Tert-Butyl-Ether	82		-		70-130	-		
1,1,1-Trichloroethane	88		-		70-130	-		
1,1-Dichloropropene	85		-		70-130	-		
Benzene	87		-		70-130	-		
Carbon tetrachloride	99		-		70-130	-		
Cyclohexane	80		-		70-130	-		
Tertiary-Amyl Methyl Ether	95		-		70-130	-		
Dibromomethane	114		-		70-130	-		
1,2-Dichloropropane	124		-		70-130	-		
Bromodichloromethane	118		-		70-130	-		
1,4-Dioxane	133	Q	-		70-130	-		
Trichloroethene	116		-		70-130	-		
2,2,4-Trimethylpentane	120		-		70-130	-		
Heptane	118		-		70-130	-		
2,4,4-Trimethyl-1-Pentene	109		-		70-130	-		
cis-1,3-Dichloropropene	134	Q	-		70-130	-		
4-Methyl-2-pentanone	124		-		70-130	-		
2,4,4-Trimethyl-2-Pentene	116		-		70-130	-		
trans-1,3-Dichloropropene	117		-		70-130	-		
1,1,2-Trichloroethane	123		-		70-130	-		
Toluene	81		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1105175

Report Date: 04/25/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-06 Batch: WG464407-3								
1,3-Dichloropropane	82		-		70-130	-		
2-Hexanone	101		-		70-130	-		
Dibromochloromethane	85		-		70-130	-		
1,2-Dibromoethane	86		-		70-130	-		
Butyl Acetate	98		-		70-130	-		
Octane	81		-		70-130	-		
Tetrachloroethene	80		-		70-130	-		
1,1,1,2-Tetrachloroethane	95		-		70-130	-		
Chlorobenzene	97		-		70-130	-		
Ethylbenzene	96		-		70-130	-		
p/m-Xylene	98		-		70-130	-		
Bromoform	100		-		70-130	-		
Styrene	103		-		70-130	-		
1,1,2,2-Tetrachloroethane	109		-		70-130	-		
o-Xylene	100		-		70-130	-		
1,2,3-Trichloropropane	91		-		70-130	-		
Nonane (C9)	109		-		70-130	-		
Isopropylbenzene	97		-		70-130	-		
Bromobenzene	98		-		70-130	-		
o-Chlorotoluene	97		-		70-130	-		
n-Propylbenzene	99		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: CJI-1747

Lab Number: L1105175

Report Date: 04/25/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-06 Batch: WG464407-3								
p-Chlorotoluene	97		-		70-130	-		
4-Ethyltoluene	100		-		70-130	-		
1,3,5-Trimethylbenzene	96		-		70-130	-		
tert-Butylbenzene	96		-		70-130	-		
1,2,4-Trimethylbenzene	103		-		70-130	-		
Decane (C10)	112		-		70-130	-		
Benzyl chloride	116		-		70-130	-		
1,3-Dichlorobenzene	101		-		70-130	-		
1,4-Dichlorobenzene	102		-		70-130	-		
sec-Butylbenzene	99		-		70-130	-		
p-Isopropyltoluene	94		-		70-130	-		
1,2-Dichlorobenzene	99		-		70-130	-		
n-Butylbenzene	110		-		70-130	-		
1,2-Dibromo-3-chloropropane	110		-		70-130	-		
Undecane	121		-		70-130	-		
Dodecane (C12)	144	Q	-		70-130	-		
1,2,4-Trichlorobenzene	111		-		70-130	-		
Naphthalene	115		-		70-130	-		
1,2,3-Trichlorobenzene	116		-		70-130	-		
Hexachlorobutadiene	104		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

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

Lab Number: L1105175
Report Date: 04/25/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG464407-5 QC Sample: L1105175-02 Client ID: GP-16						
Propylene	9.73	10.6	ppbV	9		25
Dichlorodifluoromethane	1.01	1.08	ppbV	7		25
Chloromethane	0.888	0.957	ppbV	7		25
Freon-114	0.549	0.579	ppbV	5		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	0.213	0.225	ppbV	5		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
Carbon disulfide	1.23	1.23	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	42.5	44.1	ppbV	4		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
Chloroform	ND	0.209	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

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

Lab Number: L1105175
Report Date: 04/25/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG464407-5 QC Sample: L1105175-02 Client ID: GP-16					
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	0.567	0.540	ppbV	5	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	0.511	0.517	ppbV	1	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: L1105175
Report Date: 04/25/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG464407-5 QC Sample: L1105175-02 Client ID: GP-16					
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: L1105175

Project Number: CJI-1747

Report Date: 04/25/11

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Cleaning Batch ID	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Out mL/min	Flow In mL/min	% RSD
L1105175-01	GP-18	0419	#90 SV		-	-	8.7	9.6	10
L1105175-01	GP-18	531	2.7L Can	L1104276	-29.3	-0.2	-	-	-
L1105175-02	GP-16	0079	#90 SV		-	-	8.9	9.6	8
L1105175-02	GP-16	521	2.7L Can	L1104308	-29.3	-1.0	-	-	-
L1105175-03	GP-11	0141	#16 AMB		-	-	8.5	9.3	9
L1105175-03	GP-11	155	2.7L Can	L1104276	-29.3	-2.6	-	-	-
L1105175-04	DUP (GP-11)	0336	#30 SV		-	-	8.8	9.5	8
L1105175-04	DUP (GP-11)	108	2.7L Can	L1104276	-29.3	-1.9	-	-	-
L1105175-05	FIELD BLANK	0403	#90 SV		-	-	8.5	6.4	28
L1105175-05	FIELD BLANK	384	2.7L Can	L1104276	-29.0	-0.8	-	-	-
L1105175-06	GP-21	0365	#16 AMB		-	-	9.0	9.9	10
L1105175-06	GP-21	403	2.7L Can	L1104276	-29.3	-1.1	-	-	-

Air Volatiles Can Certification

Project Name:	BATCH CANISTER CERTIFICATION	Lab Number:	L1104276
Project Number:	CANISTER QC BAT	Report Date:	04/25/11

Air Canister Certification Results

Lab ID:	L1104276-01	Date Collected:	03/31/11 00:00
Client ID:	CAN 174 SHELF 7	Date Received:	03/31/11
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15		
Analytical Date:	04/01/11 20:27		
Analyst:	GT		

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.860	--		1
Propane	ND	0.200	--	ND	0.606	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.988	--		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	0.776	--		1
Chloroethane	ND	0.200	--	ND	0.527	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.841	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.14	--		1
Acetone	ND	1.00	--	ND	2.37	--		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	0.792	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1104276
Report Date: 04/25/11

Air Canister Certification Results

Lab ID: L1104276-01
Client ID: CAN 174 SHELF 7
Sample Location:

Date Collected: 03/31/11 00:00
Date Received: 03/31/11
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 (Low Level) - 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	0.622	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.720	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.589	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.976	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.589	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.923	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.704	--		1
Diisopropyl ether	ND	0.200	--	ND	0.835	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.835	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.907	--		1
Benzene	ND	0.200	--	ND	0.638	--		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	0.835	--		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	0.720	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1104276
Report Date: 04/25/11

Air Canister Certification Results

Lab ID: L1104276-01
Client ID: CAN 174 SHELF 7
Sample Location:

Date Collected: 03/31/11 00:00
Date Received: 03/31/11
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 (Low Level) - 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	0.819	--		1
2,4,4-trimethyl-1-pentene	ND	0.500	--	ND	2.29	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.819	--		1
2,4,4-trimethyl-2-pentene	ND	0.500	--	ND	2.29	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.753	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.923	--		1
2-Hexanone	ND	0.200	--	ND	0.819	--		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	2.37	--		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	0.920	--		1
Ethylbenzene	ND	0.200	--	ND	0.868	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.06	--		1
Styrene	ND	0.200	--	ND	0.851	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.868	--		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	0.982	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1104276
Report Date: 04/25/11

Air Canister Certification Results

Lab ID: L1104276-01
Client ID: CAN 174 SHELF 7
Sample Location:

Date Collected: 03/31/11 00:00
Date Received: 03/31/11
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 (Low Level) - Mansfield Lab								
Bromobenzene	ND	0.200	--	ND	1.28	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.03	--		1
n-Propylbenzene	ND	0.200	--	ND	0.982	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.03	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.982	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.982	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.982	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.03	--		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

Project Name:	BATCH CANISTER CERTIFICATION	Lab Number:	L1104276
Project Number:	CANISTER QC BAT	Report Date:	04/25/11

Air Canister Certification Results

Lab ID:	L1104276-01	Date Collected:	03/31/11 00:00
Client ID:	CAN 174 SHELF 7	Date Received:	03/31/11
Sample Location:		Field Prep:	Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	91		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1104276
Report Date: 04/25/11

Air Canister Certification Results

Lab ID: L1104276-01
Client ID: CAN 174 SHELF 7
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/01/11 20:27
Analyst: GT

Date Collected: 03/31/11 00:00
Date Received: 03/31/11
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	0.403	--		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
Project Number: CANISTER QC BAT

Lab Number: L1104276
Report Date: 04/25/11

Air Canister Certification Results

Lab ID: L1104276-01
Client ID: CAN 174 SHELF 7
Sample Location:

Date Collected: 03/31/11 00:00
Date Received: 03/31/11
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	0.206	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.023	0.020	--	0.10	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:	L1104276
Project Number:	CANISTER QC BAT	Report Date:	04/25/11

Air Canister Certification Results

Lab ID:	L1104276-01	Date Collected:	03/31/11 00:00
Client ID:	CAN 174 SHELF 7	Date Received:	03/31/11
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

Project Name:	BATCH CANISTER CERTIFICATION	Lab Number:	L1104276
Project Number:	CANISTER QC BAT	Report Date:	04/25/11

Air Canister Certification Results

Lab ID:	L1104276-01	Date Collected:	03/31/11 00:00
Client ID:	CAN 174 SHELF 7	Date Received:	03/31/11
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								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	110		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	103		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1104308
Report Date: 04/25/11

Air Canister Certification Results

Lab ID: L1104308-01
Client ID: CAN 261 SHELF 9
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/01/11 19:12
Analyst: GT

Date Collected: 04/01/11 00:00
Date Received: 04/01/11
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 (Low Level) - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.860	--		1
Propane	ND	0.200	--	ND	0.606	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.988	--		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	0.776	--		1
Chloroethane	ND	0.200	--	ND	0.527	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.841	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.14	--		1
Acetone	ND	1.00	--	ND	2.37	--		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	0.792	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1104308
Report Date: 04/25/11

Air Canister Certification Results

Lab ID: L1104308-01
Client ID: CAN 261 SHELF 9
Sample Location:

Date Collected: 04/01/11 00:00
Date Received: 04/01/11
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 (Low Level) - 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	0.622	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.720	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.589	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.976	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.589	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.923	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.704	--		1
Diisopropyl ether	ND	0.200	--	ND	0.835	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.835	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.907	--		1
Benzene	ND	0.200	--	ND	0.638	--		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	0.835	--		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	0.720	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1104308
Report Date: 04/25/11

Air Canister Certification Results

Lab ID: L1104308-01
Client ID: CAN 261 SHELF 9
Sample Location:

Date Collected: 04/01/11 00:00
Date Received: 04/01/11
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 (Low Level) - 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	0.819	--		1
2,4,4-trimethyl-1-pentene	ND	0.500	--	ND	2.29	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.819	--		1
2,4,4-trimethyl-2-pentene	ND	0.500	--	ND	2.29	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.753	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.923	--		1
2-Hexanone	ND	0.200	--	ND	0.819	--		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	2.37	--		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	0.920	--		1
Ethylbenzene	ND	0.200	--	ND	0.868	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.06	--		1
Styrene	ND	0.200	--	ND	0.851	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.868	--		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	0.982	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1104308
Report Date: 04/25/11

Air Canister Certification Results

Lab ID: L1104308-01
Client ID: CAN 261 SHELF 9
Sample Location:

Date Collected: 04/01/11 00:00
Date Received: 04/01/11
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 (Low Level) - Mansfield Lab								
Bromobenzene	ND	0.200	--	ND	1.28	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.03	--		1
n-Propylbenzene	ND	0.200	--	ND	0.982	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.03	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.982	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.982	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.982	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.03	--		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

Project Name:	BATCH CANISTER CERTIFICATION	Lab Number:	L1104308
Project Number:	CANISTER QC BAT	Report Date:	04/25/11

Air Canister Certification Results

Lab ID:	L1104308-01	Date Collected:	04/01/11 00:00
Client ID:	CAN 261 SHELF 9	Date Received:	04/01/11
Sample Location:		Field Prep:	Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	93		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1104308
Report Date: 04/25/11

Air Canister Certification Results

Lab ID: L1104308-01
Client ID: CAN 261 SHELF 9
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/01/11 19:12
Analyst: GT

Date Collected: 04/01/11 00:00
Date Received: 04/01/11
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	0.403	--		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
Project Number: CANISTER QC BAT

Lab Number: L1104308
Report Date: 04/25/11

Air Canister Certification Results

Lab ID: L1104308-01
Client ID: CAN 261 SHELF 9
Sample Location:

Date Collected: 04/01/11 00:00
Date Received: 04/01/11
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	0.206	--		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:	L1104308
Project Number:	CANISTER QC BAT	Report Date:	04/25/11

Air Canister Certification Results

Lab ID:	L1104308-01	Date Collected:	04/01/11 00:00
Client ID:	CAN 261 SHELF 9	Date Received:	04/01/11
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

Project Name:	BATCH CANISTER CERTIFICATION	Lab Number:	L1104308
Project Number:	CANISTER QC BAT	Report Date:	04/25/11

Air Canister Certification Results

Lab ID:	L1104308-01	Date Collected:	04/01/11 00:00
Client ID:	CAN 261 SHELF 9	Date Received:	04/01/11
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								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	111		60-140
bromochloromethane	101		60-140
chlorobenzene-d5	104		60-140

AIR Petro Can Certification

Project Name:	BATCH CANISTER CERTIFICATION	Lab Number:	L1104276
Project Number:	CANISTER QC BAT	Report Date:	04/25/11

AIR CAN CERTIFICATION RESULTS

Lab ID:	L1104276-01	Date Collected:	03/31/11 00:00
Client ID:	CAN 174 SHELF 7	Date Received:	03/31/11
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	04/01/11 17:03		
Analyst:	BS		

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: L1105175
Report Date: 04/25/11

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(*)
L1105175-01A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1105175-02A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1105175-03A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1105175-04A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1105175-05A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1105175-06A	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:	L1105175
Project Number:	CJI-1747	Report Date:	04/25/11

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.
- 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.

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.
- 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.
- 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. 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

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1105175
Project Number:	CJI-1747	Report Date:	04/25/11

Data Qualifiers

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:	L1105175
Project Number:	CJI-1747	Report Date:	04/25/11

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 March 23, 2011 ñMansfield 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

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 9010B, 9014, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 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, 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, 9014, 9040B, 120.1, SM2510B, 4500CN-E, 4500H-B, EPA 376.2, 180.1, 9010B. 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.)

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, 9014, 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, 2510B, EPA 120.1, 180.1, 1631E, 245.7.)

Solid & Chemical Materials (Inorganic Parameters: EPA 9040, 9060, 6020, 7470, 7471, 7474. Organic Parameters: EPA 8081, 8082, 8015 Mod, 8270, 8260.)

U.S. Army Corps of Engineers

Department of Defense 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.)

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, 8015-DRO.

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

PAGE 1 OF 4

ALPHA ANALYTICAL
320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: L1105775

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	Start Time	End Time	Initial Vac	Final Vac	Sample Matrix*	Sampler Initiels	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	4/14/11	9:20	2:06	-29.3	0.0	SV	SH	2.7L	531	0419	☐	☒	☐	☐	☐	☐	☐	
-2	GP-16	4/14/11	9:25	2:05	-29.3	-0.47	SV	SH	2.7L	521	0079	☐	☒	☐	☐	☐	☐	☐	
-3	GP-11	4/14/11	9:57	2:09	-29.3	-2.41	SV	SH	2.7L	155	0141	☐	☒	☐	☐	☐	☐	☐	
-4	DUP (GP-11)	4/14/11	9:57	2:09	-29.3	-1.95	AA	SH	2.7L	108	0336	☐	☒	☐	☐	☐	☐	☐	
-5	Field Blank	4/14/11	9:30	2:01	-29.0	0.0	SV	SH	2.7L	384	0403	☐	☒	☐	☐	☐	☐	☐	
-6	GP-21	4/14/11	9:35	2:00	-29.3	0.13	SV	SH	2.7L	403	0365	☐	☒	☐	☐	☐	☐	☐	
											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]	4/14/11 3:35	P. Gillett	4/14/11 1540
P. Gillett	4/14/11 1615	[illegible]	4/14/11 1615

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:	L1110903
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:	08/05/11

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 NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

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: L1110903
Report Date: 08/05/11

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1110903-01	MW4S	SOUTH KINGSTOWN, RI	07/20/11 07:58
L1110903-02	MW4DO	SOUTH KINGSTOWN, RI	07/20/11 08:32
L1110903-03	MW3BR	SOUTH KINGSTOWN, RI	07/20/11 09:39
L1110903-04	DUPLICATE (MW3BR)	SOUTH KINGSTOWN, RI	07/20/11 09:39
L1110903-05	MW3S	SOUTH KINGSTOWN, RI	07/20/11 10:20
L1110903-06	MW12S	SOUTH KINGSTOWN, RI	07/20/11 11:19
L1110903-07	MW12DO	SOUTH KINGSTOWN, RI	07/20/11 11:52
L1110903-08	RES #7	SOUTH KINGSTOWN, RI	07/20/11 13:04
L1110903-09	RES #12	SOUTH KINGSTOWN, RI	07/20/11 13:45
L1110903-10	FIELD BLANK	SOUTH KINGSTOWN, RI	07/20/11 13:10
L1110903-11	TRIP BLANK	SOUTH KINGSTOWN, RI	07/20/11 00:00
L1110903-12	SW-09	SOUTH KINGSTOWN, RI	07/20/11 08:45
L1110903-13	DUPLICATE (SW-09)	SOUTH KINGSTOWN, RI	07/20/11 08:45
L1110903-14	SW-17	SOUTH KINGSTOWN, RI	07/20/11 10:30
L1110903-15	SW-04	SOUTH KINGSTOWN, RI	07/20/11 12:00
L1110903-16	FIELD BLANK	SOUTH KINGSTOWN, RI	07/20/11 13:10
L1110903-17	SW-06	SOUTH KINGSTOWN, RI	07/20/11 13:34
L1110903-18	SW-02	SOUTH KINGSTOWN, RI	07/20/11 14:00
L1110903-19	SW-01	SOUTH KINGSTOWN, RI	07/20/11 14:14

Project Name: ROSE HILL LANDFILL **Lab Number:** L1110903
Project Number: CJI-1747 **Report Date:** 08/05/11

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. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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.

For additional information, please contact Client Services at 800-624-9220.

Volatile Organics

The WG480503-1/-2 LCS/LCSD recoveries, associated with L1110903-01 through -05, are below the individual acceptance criteria for Chloromethane (60%/57%), but within the overall method allowances.

The WG480503-4/-5 LCS/LCSD recoveries, associated with L1110903-06 through -11, are below the individual acceptance criteria for Chloromethane (36%/40%), but within the overall method allowances.

The WG480503-7/-8 MS/MSD recoveries, performed on L1110903-02, were above the acceptance criteria for 1,1-Dichloroethane (127%/121%), Vinyl chloride (173%/163%) and cis-1,2-Dichloroethene (155%/146%); however, the associated LCS/LCSD recoveries were within criteria.

The WG480503-7/-8 MS/MSD recoveries, performed on L1110903-02, were below the acceptance criteria for Chloromethane (40%/40%).

Project Name: ROSE HILL LANDFILL **Lab Number:** L1110903
Project Number: CJI-1747 **Report Date:** 08/05/11

Case Narrative (continued)

Semivolatile Organics

All samples and the associated WG481041-1 Method Blank were evaluated for the presence of N,N-Dimethylformamide as a TIC and were found to be non-detect.

The surrogate recovery for L1110903-01 is above the individual acceptance criteria for 2,4,6-Tribromophenol (140%), but within the overall method allowances.

The WG481041-2/-3 LCS/LCSD recoveries, associated with L1110903-01 through -10, were above the acceptance criteria for 2,4-Dinitrotoluene (115%/120%), P-Chloro-M-Cresol (98%/100%) and 4-Nitrophenol (LCSD at 97%); however, the associated samples were non-detect for these target compounds. In addition, the associated LCS/LCSD RPD is above the acceptance criteria for 4-Nitrophenol (47%).

The WG481041-2/-3 LCS/LCSD RPD, associated with L1110903-01 through -10, is above the acceptance criteria for Phenol (50%); however, the individual LCS/LCSD recoveries are within method limits.

The surrogate recovery for the WG481041-3 LCSD is above the individual acceptance criteria for 2,4,6-Tribromophenol (125%), but within the overall method allowances.

The WG481041-4/-5 MS/MSD recoveries, performed on L1110903-02, were above the acceptance criteria for 2,4-Dinitrotoluene (110%/98%).

The WG481041-4/-5 MS/MSD RPDs, performed on L1110903-02, are above the acceptance criteria for 4-Nitrophenol (49%) and Phenol (46%); however, the individual MS/MSD recoveries are within method limits.

Semivolatile Organics by SIM

The surrogate recovery for L1110903-06 is above the individual acceptance criteria for 2,4,6-Tribromophenol (122%), but within the overall method allowances.

The WG481040-4/-5 MS/MSD recoveries, performed on L1110903-02, were above the acceptance criteria for Pentachlorophenol (110%/120%); however, the associated LCS/LCSD recoveries were within criteria.

The surrogate recovery for the WG481040-4 MS is above the individual acceptance criteria for 2,4,6-Tribromophenol (146%), but within the overall method allowances.

Project Name: ROSE HILL LANDFILL **Lab Number:** L1110903
Project Number: CJI-1747 **Report Date:** 08/05/11

Case Narrative (continued)

Metals

Note that all instances where Dissolved results are greater than Total results, as well as all Total results on L1110903-10 and -16 (field blanks), were confirmed by screen analysis.

L1110903-01, -02, -06 and -07 have elevated detection limits for Total Manganese due to the dilutions required by the high concentrations of target analytes.

L1110903-12 has an elevated detection limit for Dissolved Zinc due to the dilution required by the high concentrations of target analytes.

L1110903-15 has elevated detection limits for Total and Dissolved Manganese due to the dilutions required by the high concentrations of target analytes.

L1110903-17 has elevated detection limits for Total and Dissolved Zinc due to the dilutions required by the high concentrations of target analytes.

The WG481633-4/-5 MS/MSD recoveries for Total Iron (70%/300%) and Total Manganese (78%/133%), performed on L1110903-02, do not apply because the sample concentrations are greater than four times the spike amount added.

The WG481633-4 MS recovery, performed on L1110903-02, is below the acceptance criteria for Total Thallium (77%). A post digestion spike was performed with an acceptable recovery of 96%.

Hardness

The WG481642-1 Method Blank, associated with L1110903-12 through -15, -17, -18 and -19, has a concentration above the reporting limit. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no qualification of the results was performed.

The WG482868-1 Method Blank, associated with L1110903-16, has a concentration above the reporting limit for Hardness; however, the associated sample concentration is less than 10x the blank concentration; therefore, the result is qualified as "B".

Total Organic Carbon

L1110903-12 through -15 and -17 through -19 have elevated detection limits due to the dilutions required by the sample matrices.

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: 08/05/11

ORGANICS

VOLATILES

Project Name: ROSE HILL LANDFILL **Lab Number:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-01	Date Collected:	07/20/11 07:58
Client ID:	MW4S	Date Received:	07/20/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/21/11 12:29		
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:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-01 Date Collected: 07/20/11 07:58

Client ID: MW4S Date Received: 07/20/11

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:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-01	Date Collected:	07/20/11 07:58
Client ID:	MW4S	Date Received:	07/20/11
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	106		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	96		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-02	Date Collected:	07/20/11 08:32
Client ID:	MW4DO	Date Received:	07/20/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/21/11 13:05		
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	1.6		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	5.8		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:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-02 Date Collected: 07/20/11 08:32

Client ID: MW4DO Date Received: 07/20/11

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	4.4		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:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-02	Date Collected:	07/20/11 08:32
Client ID:	MW4DO	Date Received:	07/20/11
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	108		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	96		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-03	Date Collected:	07/20/11 09:39
Client ID:	MW3BR	Date Received:	07/20/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/21/11 13:41		
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	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:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-03 Date Collected: 07/20/11 09:39

Client ID: MW3BR Date Received: 07/20/11

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:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-03	Date Collected:	07/20/11 09:39
Client ID:	MW3BR	Date Received:	07/20/11
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	106		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	96		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-04	Date Collected:	07/20/11 09:39
Client ID:	DUPLICATE (MW3BR)	Date Received:	07/20/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/21/11 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:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-04 Date Collected: 07/20/11 09:39

Client ID: DUPLICATE (MW3BR) Date Received: 07/20/11

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:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-04	Date Collected:	07/20/11 09:39
Client ID:	DUPLICATE (MW3BR)	Date Received:	07/20/11
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	109		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	96		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-05	Date Collected:	07/20/11 10:20
Client ID:	MW3S	Date Received:	07/20/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/21/11 15:08		
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:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-05 Date Collected: 07/20/11 10:20

Client ID: MW3S Date Received: 07/20/11

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:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-05	Date Collected:	07/20/11 10:20
Client ID:	MW3S	Date Received:	07/20/11
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	108		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	96		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-06	Date Collected:	07/20/11 11:19
Client ID:	MW12S	Date Received:	07/20/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/23/11 12:21		
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	1.5		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:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-06 Date Collected: 07/20/11 11:19

Client ID: MW12S Date Received: 07/20/11

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:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-06	Date Collected:	07/20/11 11:19
Client ID:	MW12S	Date Received:	07/20/11
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	103		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	99		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-07	Date Collected:	07/20/11 11:52
Client ID:	MW12DO	Date Received:	07/20/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/23/11 12:56		
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:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-07 Date Collected: 07/20/11 11:52

Client ID: MW12DO Date Received: 07/20/11

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:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-07	Date Collected:	07/20/11 11:52
Client ID:	MW12DO	Date Received:	07/20/11
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	106		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	100		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-08	Date Collected:	07/20/11 13:04
Client ID:	RES #7	Date Received:	07/20/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/23/11 13:30		
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:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-08 Date Collected: 07/20/11 13:04

Client ID: RES #7 Date Received: 07/20/11

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	1.8		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:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-08	Date Collected:	07/20/11 13:04
Client ID:	RES #7	Date Received:	07/20/11
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	105		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	99		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-09	Date Collected:	07/20/11 13:45
Client ID:	RES #12	Date Received:	07/20/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/23/11 14:05		
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	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:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-09 Date Collected: 07/20/11 13:45

Client ID: RES #12 Date Received: 07/20/11

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:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-09	Date Collected:	07/20/11 13:45
Client ID:	RES #12	Date Received:	07/20/11
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	107		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	100		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-10	Date Collected:	07/20/11 13:10
Client ID:	FIELD BLANK	Date Received:	07/20/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/23/11 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:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-10 Date Collected: 07/20/11 13:10

Client ID: FIELD BLANK Date Received: 07/20/11

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:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-10	Date Collected:	07/20/11 13:10
Client ID:	FIELD BLANK	Date Received:	07/20/11
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	105		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	99		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-11	Date Collected:	07/20/11 00:00
Client ID:	TRIP BLANK	Date Received:	07/20/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/23/11 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:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-11 Date Collected: 07/20/11 00:00

Client ID: TRIP BLANK Date Received: 07/20/11

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:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-11	Date Collected:	07/20/11 00:00
Client ID:	TRIP BLANK	Date Received:	07/20/11
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	106		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	98		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 07/21/11 08:59
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG480503-3					
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:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 07/21/11 08:59
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG480503-3					
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:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 07/21/11 08:59
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG480503-3					
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	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	98		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 07/23/11 11:47
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-11 Batch: WG480503-6					
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:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 07/23/11 11:47
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-11 Batch: WG480503-6					
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:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 07/23/11 11:47
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-11 Batch: WG480503-6					
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	106		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1110903
Report Date: 08/05/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG480503-1 WG480503-2								
Methylene chloride	89		87		74-121	2		20
1,1-Dichloroethane	99		97		73-119	2		20
Chloroform	99		97		75-125	2		20
Carbon tetrachloride	68		72		63-132	6		20
1,2-Dichloropropane	98		96		70-120	2		20
Dibromochloromethane	80		82		63-119	2		20
1,1,2-Trichloroethane	100		98		70-125	2		20
Tetrachloroethene	100		97		70-130	3		20
Chlorobenzene	97		95		75-130	2		25
Trichlorofluoromethane	102		100		62-150	2		20
1,2-Dichloroethane	101		100		71-125	1		20
1,1,1-Trichloroethane	85		88		67-123	3		20
Bromodichloromethane	89		90		67-121	1		20
trans-1,3-Dichloropropene	88		88		75-125	0		20
cis-1,3-Dichloropropene	86		87		75-125	1		20
1,1-Dichloropropene	98		97		72-118	1		20
Bromoform	69		73		54-136	6		20
1,1,2,2-Tetrachloroethane	99		99		67-124	0		20
Benzene	98		97		76-127	1		25
Toluene	96		94		76-125	2		25
Ethylbenzene	102		100		79-118	2		20

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1110903
Report Date: 08/05/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG480503-1 WG480503-2								
Chloromethane	**60**	Q	**57**	Q	64-130	5		20
Bromomethane	70		77		39-139	10		20
Vinyl chloride	89		88		55-140	1		20
Chloroethane	93		91		55-138	2		20
1,1-Dichloroethene	96		94		61-145	2		25
trans-1,2-Dichloroethene	100		96		75-125	4		20
Trichloroethene	98		97		71-120	1		25
1,2-Dichlorobenzene	101		100		75-125	1		20
1,3-Dichlorobenzene	103		100		75-125	3		20
1,4-Dichlorobenzene	102		100		75-125	2		20
Methyl tert butyl ether	89		88		63-112	1		20
p/m-Xylene	101		99		75-125	2		20
o-Xylene	103		100		75-125	3		20
cis-1,2-Dichloroethene	100		97		75-125	3		20
Dibromomethane	102		101		76-126	1		20
1,2,3-Trichloropropane	98		100		64-127	2		20
Styrene	104		101		70-122	3		20
Dichlorodifluoromethane	94		91		36-147	3		20
Acetone	95		95		58-148	0		20
Carbon disulfide	92		85		51-121	8		20
2-Butanone	108		107		63-138	1		20

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1110903
Report Date: 08/05/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG480503-1 WG480503-2								
4-Methyl-2-pentanone	99		95		59-126	4		20
2-Hexanone	108		107		57-128	1		20
Bromochloromethane	104		103		74-123	1		20
Tetrahydrofuran	91		95		58-123	4		20
2,2-Dichloropropane	77		80		63-133	4		20
1,2-Dibromoethane	98		98		70-119	0		20
1,3-Dichloropropane	100		99		71-122	1		20
1,1,1,2-Tetrachloroethane	86		88		64-125	2		20
Bromobenzene	100		98		75-125	2		20
n-Butylbenzene	106		96		53-136	10		20
sec-Butylbenzene	104		100		70-124	4		20
tert-Butylbenzene	102		98		70-122	4		20
o-Chlorotoluene	101		99		75-125	2		20
p-Chlorotoluene	101		99		75-125	2		20
1,2-Dibromo-3-chloropropane	101		96		41-144	5		20
Hexachlorobutadiene	99		94		63-123	5		20
Isopropylbenzene	101		100		73-122	1		20
p-Isopropyltoluene	107		102		73-127	5		20
Naphthalene	113		111		75-125	2		20
n-Propylbenzene	104		101		69-127	3		20
1,2,3-Trichlorobenzene	106		103		75-125	3		20

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1110903
Report Date: 08/05/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG480503-1 WG480503-2								
1,2,4-Trichlorobenzene	108		102		75-125	6		20
1,3,5-Trimethylbenzene	102		100		64-121	2		20
1,2,4-Trimethylbenzene	106		101		75-121	5		20
Ethyl ether	94		88		59-134	7		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		101		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	96		97		70-130
Dibromofluoromethane	98		100		70-130

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1110903
Report Date: 08/05/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-11 Batch: WG480503-4 WG480503-5								
Methylene chloride	90		89		74-121	1		20
1,1-Dichloroethane	100		100		73-119	0		20
Chloroform	102		101		75-125	1		20
Carbon tetrachloride	73		75		63-132	3		20
1,2-Dichloropropane	99		98		70-120	1		20
Dibromochloromethane	81		82		63-119	1		20
1,1,2-Trichloroethane	97		97		70-125	0		20
Tetrachloroethene	99		96		70-130	3		20
Chlorobenzene	96		94		75-130	2		25
Trichlorofluoromethane	107		104		62-150	3		20
1,2-Dichloroethane	105		104		71-125	1		20
1,1,1-Trichloroethane	90		92		67-123	2		20
Bromodichloromethane	92		93		67-121	1		20
trans-1,3-Dichloropropene	87		87		75-125	0		20
cis-1,3-Dichloropropene	87		87		75-125	0		20
1,1-Dichloropropene	99		98		72-118	1		20
Bromoform	72		75		54-136	4		20
1,1,2,2-Tetrachloroethane	95		97		67-124	2		20
Benzene	99		98		76-127	1		25
Toluene	95		94		76-125	1		25
Ethylbenzene	101		98		79-118	3		20

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1110903
Report Date: 08/05/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-11 Batch: WG480503-4 WG480503-5								
Chloromethane	**36**	Q	**40**	Q	64-130	11		20
Bromomethane	59		67		39-139	13		20
Vinyl chloride	85		84		55-140	1		20
Chloroethane	94		92		55-138	2		20
1,1-Dichloroethene	97		95		61-145	2		25
trans-1,2-Dichloroethene	99		97		75-125	2		20
Trichloroethene	102		98		71-120	4		25
1,2-Dichlorobenzene	100		100		75-125	0		20
1,3-Dichlorobenzene	102		100		75-125	2		20
1,4-Dichlorobenzene	101		99		75-125	2		20
Methyl tert butyl ether	90		91		63-112	1		20
p/m-Xylene	100		99		75-125	1		20
o-Xylene	102		101		75-125	1		20
cis-1,2-Dichloroethene	97		97		75-125	0		20
Dibromomethane	105		104		76-126	1		20
1,2,3-Trichloropropane	97		99		64-127	2		20
Styrene	102		102		70-122	0		20
Dichlorodifluoromethane	81		77		36-147	5		20
Acetone	92		90		58-148	2		20
Carbon disulfide	88		81		51-121	8		20
2-Butanone	103		95		63-138	8		20

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1110903
Report Date: 08/05/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-11 Batch: WG480503-4 WG480503-5								
4-Methyl-2-pentanone	97		99		59-126	2		20
2-Hexanone	103		105		57-128	2		20
Bromochloromethane	108		106		74-123	2		20
Tetrahydrofuran	92		94		58-123	2		20
2,2-Dichloropropane	83		85		63-133	2		20
1,2-Dibromoethane	97		97		70-119	0		20
1,3-Dichloropropane	99		98		71-122	1		20
1,1,1,2-Tetrachloroethane	88		88		64-125	0		20
Bromobenzene	101		99		75-125	2		20
n-Butylbenzene	92		85		53-136	8		20
sec-Butylbenzene	98		93		70-124	5		20
tert-Butylbenzene	98		95		70-122	3		20
o-Chlorotoluene	101		99		75-125	2		20
p-Chlorotoluene	101		99		75-125	2		20
1,2-Dibromo-3-chloropropane	96		91		41-144	5		20
Hexachlorobutadiene	95		89		63-123	7		20
Isopropylbenzene	102		99		73-122	3		20
p-Isopropyltoluene	99		93		73-127	6		20
Naphthalene	100		101		75-125	1		20
n-Propylbenzene	101		98		69-127	3		20
1,2,3-Trichlorobenzene	92		90		75-125	2		20

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1110903
Report Date: 08/05/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-11 Batch: WG480503-4 WG480503-5								
1,2,4-Trichlorobenzene	98		95		75-125	3		20
1,3,5-Trimethylbenzene	100		97		64-121	3		20
1,2,4-Trimethylbenzene	98		95		75-121	3		20
Ethyl ether	100		99		59-134	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		104		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	97		100		70-130
Dibromofluoromethane	99		101		70-130

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1110903
Report Date: 08/05/11

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): 01-11 QC Batch ID: WG480503-7 WG480503-8 QC Sample: L1110903-02 Client ID: MW4DO												
Methylene chloride	ND	10	9.7	97		9.3	93		74-121	4		20
1,1-Dichloroethane	1.6	10	13	**127**	Q	12	**121**	Q	73-119	8		20
Chloroform	ND	10	11	110		10	105		75-125	10		20
Carbon tetrachloride	ND	10	7.9	79		7.7	77		63-132	3		20
1,2-Dichloropropane	ND	10	11	107		10	103		70-1320	10		20
Dibromochloromethane	ND	10	8.4	84		8.4	84		63-119	0		20
1,1,2-Trichloroethane	ND	10	10	100		9.8	98		70-125	2		20
Tetrachloroethene	ND	10	9.5	95		9.0	90		70-130	5		20
Chlorobenzene	ND	10	9.7	97		9.2	92		75-130	5		25
Trichlorofluoromethane	ND	10	11	114		11	108		61-150	0		20
1,2-Dichloroethane	ND	10	11	114		11	112		71-125	0		20
1,1,1-Trichloroethane	ND	10	9.9	99		9.5	95		67-123	4		20
Bromodichloromethane	ND	10	9.9	99		9.7	97		67-121	2		20
trans-1,3-Dichloropropene	ND	10	8.3	83		8.3	83		75-125	0		20
cis-1,3-Dichloropropene	ND	10	8.7	87		8.5	85		75-125	2		20
1,1-Dichloropropene	ND	10	10	104		9.8	98		72-118	2		20
Bromoform	ND	10	7.2	72		7.4	74		54-136	3		20
1,1,2,2-Tetrachloroethane	ND	10	9.7	97		9.4	94		67-124	3		20
Benzene	ND	10	11	111		10	104		76-127	10		25
Toluene	ND	10	9.5	95		9.0	90		76-125	5		25
Ethylbenzene	ND	10	9.7	97		9.2	92		79-118	5		20

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1110903
Report Date: 08/05/11

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): 01-11 QC Batch ID: WG480503-7 WG480503-8 QC Sample: L1110903-02 Client ID: MW4DO												
Chloromethane	ND	10	4.0	**40**	Q	4.0	**40**	Q	64-130	0		20
Bromomethane	ND	10	4.8	48		5.8	58		39-139	19		20
Vinyl chloride	5.8	10	17	**173**	Q	16	**163**	Q	55-140	6		20
Chloroethane	ND	10	14	136		12	119		55-138	15		20
1,1-Dichloroethene	ND	10	10	103		9.8	98		61-145	2		25
trans-1,2-Dichloroethene	ND	10	10	106		10	101		75-125	0		20
Trichloroethene	ND	10	10	103		9.8	98		71-120	2		25
1,2-Dichlorobenzene	ND	10	9.5	95		9.0	91		75-125	5		20
1,3-Dichlorobenzene	ND	10	9.5	95		8.9	89		75-125	7		20
1,4-Dichlorobenzene	ND	10	9.4	94		8.9	89		75-125	5		20
Methyl tert butyl ether	ND	10	9.6	96		9.4	94		63-112	2		20
p/m-Xylene	ND	20	19	96		18	92		75-125	5		20
o-Xylene	ND	20	19	97		18	92		75-125	5		20
cis-1,2-Dichloroethene	4.4	10	15	**155**	Q	14	**146**	Q	75-125	7		20
Dibromomethane	ND	10	11	113		11	110		76-126	0		20
1,2,3-Trichloropropane	ND	10	9.9	99		9.9	99		64-127	0		20
Styrene	ND	20	19	97		18	93		70-122	5		20
Dichlorodifluoromethane	ND	10	8.2	82		7.6	76		36-147	8		20
Acetone	ND	10	11	107		11	112		58-148	0		20
Carbon disulfide	ND	10	9.1	91		8.5	85		51-121	7		20
2-Butanone	ND	10	11	112		11	110		63-138	0		20

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1110903
Report Date: 08/05/11

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): 01-11 QC Batch ID: WG480503-7 WG480503-8 QC Sample: L1110903-02 Client ID: MW4DO												
4-Methyl-2-pentanone	ND	10	10	100		9.9	100		59-126	1		20
2-Hexanone	ND	10	11	106		10	105		57-128	10		20
Bromochloromethane	ND	10	12	116		11	111		74-123	9		20
Tetrahydrofuran	ND	10	12	117		11	112		58-123	9		20
2,2-Dichloropropane	ND	10	6.6	66		6.4	64		63-133	3		20
1,2-Dibromoethane	ND	10	10	101		9.7	97		70-119	3		20
1,3-Dichloropropane	ND	10	10	103		9.9	99		71-122	1		20
1,1,1,2-Tetrachloroethane	ND	10	8.9	89		8.7	87		64-125	2		20
Bromobenzene	ND	10	9.6	96		9.2	92		75-125	4		20
n-Butylbenzene	ND	10	7.8	79		7.4	74		53-136	5		20
sec-Butylbenzene	ND	10	8.8	88		8.2	82		70-124	7		20
tert-Butylbenzene	ND	10	9.1	91		8.4	84		70-122	8		20
o-Chlorotoluene	ND	10	9.5	95		8.8	88		75-125	8		20
p-Chlorotoluene	ND	10	9.4	94		8.8	88		75-125	7		20
1,2-Dibromo-3-chloropropane	ND	10	8.1	81		7.7	77		41-144	5		20
Hexachlorobutadiene	ND	10	7.9	79		7.5	75		63-123	5		20
Isopropylbenzene	ND	10	9.6	97		9.0	90		73-122	6		20
p-Isopropyltoluene	ND	10	8.8	88		8.2	82		73-127	7		20
Naphthalene	ND	10	9.4	94		9.5	95		75-125	1		20
n-Propylbenzene	ND	10	9.3	93		8.7	87		69-127	7		20
1,2,3-Trichlorobenzene	ND	10	8.2	82		8.2	82		75-125	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1110903
Report Date: 08/05/11

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): 01-11 QC Batch ID: WG480503-7 WG480503-8 QC Sample: L1110903-02 Client ID: MW4DO												
1,2,4-Trichlorobenzene	ND	10	8.5	85		8.4	84		75-125	1		20
1,3,5-Trimethylbenzene	ND	10	9.2	92		8.8	88		64-121	4		20
1,2,4-Trimethylbenzene	ND	10	8.9	89		8.5	85		75-121	5		20
Ethyl ether	ND	10	11	115		11	113		59-134	0		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		108		70-130
4-Bromofluorobenzene	98		97		70-130
Dibromofluoromethane	103		103		70-130
Toluene-d8	95		95		70-130

SEMIVOLATILES

Project Name: ROSE HILL LANDFILL **Lab Number:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-01	Date Collected:	07/20/11 07:58
Client ID:	MW4S	Date Received:	07/20/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/26/11 06:25
Analytical Date:	07/29/11 22:59		
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:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-01 Date Collected: 07/20/11 07:58

Client ID: MW4S Date Received: 07/20/11

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	48		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	**140**	Q	10-120
4-Terphenyl-d14	111		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-01	Date Collected:	07/20/11 07:58
Client ID:	MW4S	Date Received:	07/20/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/26/11 06:21
Analytical Date:	07/28/11 19:12		
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	33		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	91		10-120
4-Terphenyl-d14	95		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-02	Date Collected:	07/20/11 08:32
Client ID:	MW4DO	Date Received:	07/20/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/26/11 06:25
Analytical Date:	07/29/11 23:25		
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:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-02 Date Collected: 07/20/11 08:32

Client ID: MW4DO Date Received: 07/20/11

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	25		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	90		10-120
4-Terphenyl-d14	85		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-02	Date Collected:	07/20/11 08:32
Client ID:	MW4DO	Date Received:	07/20/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/26/11 06:21
Analytical Date:	07/28/11 20:20		
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	73		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	103		10-120
4-Terphenyl-d14	86		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-03	Date Collected:	07/20/11 09:39
Client ID:	MW3BR	Date Received:	07/20/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/26/11 06:25
Analytical Date:	07/29/11 23:50		
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:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-03 Date Collected: 07/20/11 09:39

Client ID: MW3BR Date Received: 07/20/11

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	22		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	93		10-120
4-Terphenyl-d14	95		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-03	Date Collected:	07/20/11 09:39
Client ID:	MW3BR	Date Received:	07/20/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/26/11 06:21
Analytical Date:	07/28/11 20:48		
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	27		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	111		10-120
4-Terphenyl-d14	97		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-04	Date Collected:	07/20/11 09:39
Client ID:	DUPLICATE (MW3BR)	Date Received:	07/20/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/26/11 06:25
Analytical Date:	07/30/11 00:16		
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:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-04 Date Collected: 07/20/11 09:39

Client ID: DUPLICATE (MW3BR) Date Received: 07/20/11

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	25		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	83		10-120
4-Terphenyl-d14	79		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-04	Date Collected:	07/20/11 09:39
Client ID:	DUPLICATE (MW3BR)	Date Received:	07/20/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/26/11 06:21
Analytical Date:	07/29/11 11:49		
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	52		23-120
2-Fluorobiphenyl	52		15-120
2,4,6-Tribromophenol	57		10-120
4-Terphenyl-d14	63		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-05	Date Collected:	07/20/11 10:20
Client ID:	MW3S	Date Received:	07/20/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/26/11 06:25
Analytical Date:	07/30/11 00:42		
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:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-05 Date Collected: 07/20/11 10:20

Client ID: MW3S Date Received: 07/20/11

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	28		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	87		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-05	Date Collected:	07/20/11 10:20
Client ID:	MW3S	Date Received:	07/20/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/26/11 06:21
Analytical Date:	07/28/11 21:44		
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	34		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	103		10-120
4-Terphenyl-d14	93		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-06	Date Collected:	07/20/11 11:19
Client ID:	MW12S	Date Received:	07/20/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/26/11 06:25
Analytical Date:	07/30/11 01:08		
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:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-06 Date Collected: 07/20/11 11:19

Client ID: MW12S Date Received: 07/20/11

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	30		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	110		10-120
4-Terphenyl-d14	91		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-06	Date Collected:	07/20/11 11:19
Client ID:	MW12S	Date Received:	07/20/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/26/11 06:21
Analytical Date:	07/28/11 22:12		
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	48		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	**122**	Q	10-120
4-Terphenyl-d14	94		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-07	Date Collected:	07/20/11 11:52
Client ID:	MW12DO	Date Received:	07/20/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/26/11 06:25
Analytical Date:	07/30/11 01:33		
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:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-07 Date Collected: 07/20/11 11:52

Client ID: MW12DO Date Received: 07/20/11

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	44		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	104		10-120
4-Terphenyl-d14	104		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-07	Date Collected:	07/20/11 11:52
Client ID:	MW12DO	Date Received:	07/20/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/26/11 06:21
Analytical Date:	07/28/11 22:39		
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	27		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	60		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	85		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-08	Date Collected:	07/20/11 13:04
Client ID:	RES #7	Date Received:	07/20/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/26/11 06:25
Analytical Date:	07/30/11 01:59		
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:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-08 Date Collected: 07/20/11 13:04

Client ID: RES #7 Date Received: 07/20/11

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	42		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	103		10-120
4-Terphenyl-d14	98		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-08	Date Collected:	07/20/11 13:04
Client ID:	RES #7	Date Received:	07/20/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/26/11 06:21
Analytical Date:	07/28/11 23:07		
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	27		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	58		15-120
2,4,6-Tribromophenol	90		10-120
4-Terphenyl-d14	82		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-09	Date Collected:	07/20/11 13:45
Client ID:	RES #12	Date Received:	07/20/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/26/11 06:25
Analytical Date:	07/30/11 02:25		
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:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-09 Date Collected: 07/20/11 13:45

Client ID: RES #12 Date Received: 07/20/11

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	25		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	99		10-120
4-Terphenyl-d14	91		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-09	Date Collected:	07/20/11 13:45
Client ID:	RES #12	Date Received:	07/20/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/26/11 06:21
Analytical Date:	07/28/11 23:35		
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	41		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	106		10-120
4-Terphenyl-d14	85		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-10	Date Collected:	07/20/11 13:10
Client ID:	FIELD BLANK	Date Received:	07/20/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/26/11 06:25
Analytical Date:	07/30/11 02:50		
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:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-10 Date Collected: 07/20/11 13:10

Client ID: FIELD BLANK Date Received: 07/20/11

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	44		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	104		10-120
4-Terphenyl-d14	111		41-149

Project Name: ROSE HILL LANDFILL **Lab Number:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-10	Date Collected:	07/20/11 13:10
Client ID:	FIELD BLANK	Date Received:	07/20/11
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/26/11 06:21
Analytical Date:	07/29/11 00:03		
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	45		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	94		10-120
4-Terphenyl-d14	99		41-149

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

Lab Number: L1110903
Report Date: 08/05/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C-SIM
Analytical Date: 07/28/11 09:26
Analyst: AS

Extraction Method: EPA 3510C
Extraction Date: 07/26/11 06:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-10 Batch: WG481040-1					
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	40		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	61		15-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	89		41-149

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

Lab Number: L1110903
Report Date: 08/05/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 07/29/11 19:33
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 07/26/11 06:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG481041-1					
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: L1110903
Report Date: 08/05/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 07/29/11 19:33
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 07/26/11 06:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG481041-1					
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: L1110903
Report Date: 08/05/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 07/29/11 19:33
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 07/26/11 06:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG481041-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	87		10-120
4-Terphenyl-d14	105		41-149

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1110903
Report Date: 08/05/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-10 Batch: WG481040-2 WG481040-3								
Pentachlorophenol	82		77		9-103	6		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	55		53		21-120
Phenol-d6	40		38		10-120
Nitrobenzene-d5	92		88		23-120
2-Fluorobiphenyl	73		69		15-120
2,4,6-Tribromophenol	101		98		10-120
4-Terphenyl-d14	95		99		41-149

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1110903
Report Date: 08/05/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG481041-2 WG481041-3								
Acenaphthene	88		84		37-111	5		30
1,2,4-Trichlorobenzene	78		74		39-98	5		30
1,4-Dichlorobenzene	73		72		36-97	1		30
2,4-Dinitrotoluene	**115**	Q	**120**	Q	24-96	4		30
n-Nitrosodi-n-propylamine	80		77		41-116	4		30
Pyrene	88		102		26-127	15		30
P-Chloro-M-Cresol	**98**	Q	**100**	Q	23-97	2		30
2-Chlorophenol	78		85		27-123	9		30
4-Nitrophenol	60		**97**	Q	10-80	**47**	Q	30
Pentachlorophenol	79		87		9-103	10		30
Phenol	33		55		12-110	**50**	Q	30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	45		75		21-120
Phenol-d6	32		61		10-120
Nitrobenzene-d5	79		89		23-120
2-Fluorobiphenyl	79		84		15-120
2,4,6-Tribromophenol	108		125	Q	10-120
4-Terphenyl-d14	95		111		41-149

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1110903
Report Date: 08/05/11

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): 01-10 QC Batch ID: WG481040-4 WG481040-5 QC Sample: L1110903-02 Client ID: MW4DO												
Pentachlorophenol	ND	40	45	**110**	Q	46	**120**	Q	9-103	2		40

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	**146**	Q	106		10-120
2-Fluorobiphenyl	102		85		15-120
2-Fluorophenol	63		57		21-120
4-Terphenyl-d14	127		105		41-149
Nitrobenzene-d5	105		90		23-120
Phenol-d6	44		40		10-120

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1110903
Report Date: 08/05/11

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG481041-4 WG481041-5 QC Sample: L1110903-02
Client ID: MW4DO

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Acenaphthene	ND	40	29	73		30	75		37-111	3		30
1,2,4-Trichlorobenzene	ND	40	25	63		28	70		39-98	11		30
1,4-Dichlorobenzene	ND	40	23	58		24	60		36-97	4		30
2,4-Dinitrotoluene	ND	40	42	**110**	Q	39	**98**	Q	24-96	7		30
n-Nitrosodi-n-propylamine	ND	40	25	63		25	63		41-116	0		30
Pyrene	ND	40	34	85		33	83		26-127	3		30
P-Chloro-M-Cresol	ND	40	33	83		34	85		23-97	3		30
2-Chlorophenol	ND	40	22	55		27	68		27-123	20		30
4-Nitrophenol	ND	40	14	35		23	58		10-80	**49**	Q	30
Pentachlorophenol	ND	40	28	70		31	78		9-103	10		30
Phenol	ND	40	8.1	20		13	33		12-110	**46**	Q	30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	104		103		10-120
2-Fluorobiphenyl	73		78		15-120
2-Fluorophenol	42		43		21-120
4-Terphenyl-d14	87		91		41-149
Nitrobenzene-d5	66		71		23-120
Phenol-d6	29		32		10-120

METALS

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1110903
Project Number:	CJI-1747	**Report Date:**	08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-01	Date Collected:	07/20/11 07:58
Client ID:	MW4S	Date Received:	07/20/11
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	07/28/11 11:00	07/29/11 21:40	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0010	--	1	07/28/11 11:00	07/29/11 21:40	EPA 3005A	1,6020	BM
Arsenic, Total	0.0007		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 21:40	EPA 3005A	1,6020	BM
Barium, Total	0.0144		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 21:40	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 21:40	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 21:40	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 21:40	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 21:40	EPA 3005A	1,6020	BM
Manganese, Total	3.749		mg/l	0.0100	--	10	07/28/11 11:00	07/29/11 20:28	EPA 3005A	1,6020	BM
Sodium, Total	8.6		mg/l	2.0	--	1	07/28/11 11:00	08/01/11 10:15	EPA 3005A	1,6010B	MG
Thallium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 21:40	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 21:40	EPA 3005A	1,6020	BM
Zinc, Total	0.0135		mg/l	0.0050	--	1	07/28/11 11:00	07/29/11 21:40	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1110903
Project Number:	CJI-1747	**Report Date:**	08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-02	Date Collected:	07/20/11 08:32
Client ID:	MW4DO	Date Received:	07/20/11
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	07/28/11 11:00	07/29/11 21:52	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0010	--	1	07/28/11 11:00	07/29/11 21:52	EPA 3005A	1,6020	BM
Arsenic, Total	0.0009		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 21:52	EPA 3005A	1,6020	BM
Barium, Total	0.0292		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 21:52	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 21:52	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 21:52	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 21:52	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 21:52	EPA 3005A	1,6020	BM
Manganese, Total	2.197		mg/l	0.0100	--	10	07/28/11 11:00	07/29/11 20:40	EPA 3005A	1,6020	BM
Sodium, Total	13		mg/l	2.0	--	1	07/28/11 11:00	08/01/11 10:06	EPA 3005A	1,6010B	MG
Thallium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 21:52	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 21:52	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	--	1	07/28/11 11:00	07/29/11 21:52	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL
Lab Number: L1110903
Project Number: CJI-1747
Report Date: 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-03
Client ID: MW3BR
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/20/11 09:39
Date Received: 07/20/11
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	07/28/11 11:00	07/29/11 22:17	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0010	--	1	07/28/11 11:00	07/29/11 22:17	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:17	EPA 3005A	1,6020	BM
Barium, Total	0.0007		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:17	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:17	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:17	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:17	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:17	EPA 3005A	1,6020	BM
Manganese, Total	0.2803		mg/l	0.0010	--	1	07/28/11 11:00	07/29/11 22:17	EPA 3005A	1,6020	BM
Sodium, Total	16		mg/l	2.0	--	1	07/28/11 11:00	08/01/11 10:18	EPA 3005A	1,6010B	MG
Thallium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:17	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:17	EPA 3005A	1,6020	BM
Zinc, Total	0.0173		mg/l	0.0050	--	1	07/28/11 11:00	07/29/11 22:17	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1110903
Project Number:	CJI-1747	**Report Date:**	08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-04	Date Collected:	07/20/11 09:39
Client ID:	DUPLICATE (MW3BR)	Date Received:	07/20/11
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	07/28/11 11:00	07/29/11 22:23	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0010	--	1	07/28/11 11:00	07/29/11 22:23	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:23	EPA 3005A	1,6020	BM
Barium, Total	0.0008		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:23	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:23	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:23	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:23	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:23	EPA 3005A	1,6020	BM
Manganese, Total	0.2940		mg/l	0.0010	--	1	07/28/11 11:00	07/29/11 22:23	EPA 3005A	1,6020	BM
Sodium, Total	17		mg/l	2.0	--	1	07/28/11 11:00	08/01/11 10:20	EPA 3005A	1,6010B	MG
Thallium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:23	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:23	EPA 3005A	1,6020	BM
Zinc, Total	0.0150		mg/l	0.0050	--	1	07/28/11 11:00	07/29/11 22:23	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1110903
Project Number:	CJI-1747	**Report Date:**	08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-05	Date Collected:	07/20/11 10:20
Client ID:	MW3S	Date Received:	07/20/11
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	07/28/11 11:00	07/29/11 22:41	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0010	--	1	07/28/11 11:00	07/29/11 22:41	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:41	EPA 3005A	1,6020	BM
Barium, Total	0.0026		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:41	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:41	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:41	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:41	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:41	EPA 3005A	1,6020	BM
Manganese, Total	0.0203		mg/l	0.0010	--	1	07/28/11 11:00	07/29/11 22:41	EPA 3005A	1,6020	BM
Sodium, Total	11		mg/l	2.0	--	1	07/28/11 11:00	08/01/11 10:23	EPA 3005A	1,6010B	MG
Thallium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:41	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:41	EPA 3005A	1,6020	BM
Zinc, Total	0.0143		mg/l	0.0050	--	1	07/28/11 11:00	07/29/11 22:41	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL
Lab Number: L1110903
Project Number: CJI-1747
Report Date: 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-06
Client ID: MW12S
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/20/11 11:19
Date Received: 07/20/11
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	0.048		mg/l	0.010	--	1	07/28/11 11:00	07/29/11 22:47	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0010	--	1	07/28/11 11:00	07/29/11 22:47	EPA 3005A	1,6020	BM
Arsenic, Total	0.0016		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:47	EPA 3005A	1,6020	BM
Barium, Total	0.0185		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:47	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:47	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:47	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:47	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:47	EPA 3005A	1,6020	BM
Manganese, Total	2.626		mg/l	0.0100	--	10	07/28/11 11:00	07/29/11 21:04	EPA 3005A	1,6020	BM
Sodium, Total	7.2		mg/l	2.0	--	1	07/28/11 11:00	08/01/11 10:25	EPA 3005A	1,6010B	MG
Thallium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:47	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:47	EPA 3005A	1,6020	BM
Zinc, Total	0.0148		mg/l	0.0050	--	1	07/28/11 11:00	07/29/11 22:47	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL
Lab Number: L1110903
Project Number: CJI-1747
Report Date: 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-07
Client ID: MW12DO
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/20/11 11:52
Date Received: 07/20/11
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	0.021		mg/l	0.010	--	1	07/28/11 11:00	07/29/11 22:53	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0010	--	1	07/28/11 11:00	07/29/11 22:53	EPA 3005A	1,6020	BM
Arsenic, Total	0.0010		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:53	EPA 3005A	1,6020	BM
Barium, Total	0.0030		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:53	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:53	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:53	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:53	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:53	EPA 3005A	1,6020	BM
Manganese, Total	3.601		mg/l	0.0100	--	10	07/28/11 11:00	07/29/11 21:10	EPA 3005A	1,6020	BM
Sodium, Total	10		mg/l	2.0	--	1	07/28/11 11:00	08/01/11 10:33	EPA 3005A	1,6010B	MG
Thallium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:53	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:53	EPA 3005A	1,6020	BM
Zinc, Total	0.0113		mg/l	0.0050	--	1	07/28/11 11:00	07/29/11 22:53	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1110903
Project Number:	CJI-1747	**Report Date:**	08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-08	Date Collected:	07/20/11 13:04
Client ID:	RES #7	Date Received:	07/20/11
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	07/28/11 11:00	07/29/11 22:59	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0010	--	1	07/28/11 11:00	07/29/11 22:59	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:59	EPA 3005A	1,6020	BM
Barium, Total	0.0014		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:59	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:59	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:59	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:59	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:59	EPA 3005A	1,6020	BM
Manganese, Total	0.0027		mg/l	0.0010	--	1	07/28/11 11:00	07/29/11 22:59	EPA 3005A	1,6020	BM
Sodium, Total	32		mg/l	2.0	--	1	07/28/11 11:00	08/01/11 10:35	EPA 3005A	1,6010B	MG
Thallium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:59	EPA 3005A	1,6020	BM
Vanadium, Total	0.0006		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 22:59	EPA 3005A	1,6020	BM
Zinc, Total	0.0116		mg/l	0.0050	--	1	07/28/11 11:00	07/29/11 22:59	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL
Lab Number: L1110903
Project Number: CJI-1747
Report Date: 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-09
Client ID: RES #12
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/20/11 13:45
Date Received: 07/20/11
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	07/28/11 11:00	07/29/11 23:05	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0010	--	1	07/28/11 11:00	07/29/11 23:05	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:05	EPA 3005A	1,6020	BM
Barium, Total	0.0010		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:05	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:05	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:05	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:05	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:05	EPA 3005A	1,6020	BM
Manganese, Total	0.0012		mg/l	0.0010	--	1	07/28/11 11:00	07/29/11 23:05	EPA 3005A	1,6020	BM
Sodium, Total	9.8		mg/l	2.0	--	1	07/28/11 11:00	08/01/11 10:38	EPA 3005A	1,6010B	MG
Thallium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:05	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:05	EPA 3005A	1,6020	BM
Zinc, Total	0.0131		mg/l	0.0050	--	1	07/28/11 11:00	07/29/11 23:05	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1110903
Project Number:	CJI-1747	**Report Date:**	08/05/11

SAMPLE RESULTS

Lab ID:	L1110903-10	Date Collected:	07/20/11 13:10
Client ID:	FIELD BLANK	Date Received:	07/20/11
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	07/28/11 11:00	07/29/11 20:15	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0010	--	1	07/28/11 11:00	07/29/11 20:15	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 20:15	EPA 3005A	1,6020	BM
Barium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 20:15	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 20:15	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 20:15	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 20:15	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 20:15	EPA 3005A	1,6020	BM
Manganese, Total	0.0022		mg/l	0.0010	--	1	07/28/11 11:00	07/29/11 20:15	EPA 3005A	1,6020	BM
Sodium, Total	ND		mg/l	2.0	--	1	07/28/11 11:00	08/01/11 10:40	EPA 3005A	1,6010B	MG
Thallium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 20:15	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 20:15	EPA 3005A	1,6020	BM
Zinc, Total	0.0202		mg/l	0.0050	--	1	07/28/11 11:00	07/29/11 20:15	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL
Lab Number: L1110903
Project Number: CJI-1747
Report Date: 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-12
Client ID: SW-09
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/20/11 08:45
Date Received: 07/20/11
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	07/28/11 11:00	07/29/11 23:11	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:11	EPA 3005A	1,6020	BM
Cadmium, Total	0.0014		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:11	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:11	EPA 3005A	1,6020	BM
Copper, Total	0.0021		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:11	EPA 3005A	1,6020	BM
Iron, Total	0.794		mg/l	0.050	--	1	07/28/11 11:00	07/29/11 23:11	EPA 3005A	1,6020	BM
Lead, Total	0.0012		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:11	EPA 3005A	1,6020	BM
Manganese, Total	0.0772		mg/l	0.0010	--	1	07/28/11 11:00	07/29/11 23:11	EPA 3005A	1,6020	BM
Nickel, Total	0.0010		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:11	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:11	EPA 3005A	1,6020	BM
Zinc, Total	0.0941		mg/l	0.0050	--	1	07/28/11 11:00	07/29/11 23:11	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab											
Hardness	13		mg/l	0.66	--	1	07/28/11 11:00	08/01/11 10:42	EPA 3005A	1,6010B	MG
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.080		mg/l	0.010	--	1	07/27/11 15:45	07/28/11 20:37	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 20:37	EPA 3005A	1,6020	BM
Cadmium, Dissolved	0.0015		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 20:37	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 20:37	EPA 3005A	1,6020	BM
Copper, Dissolved	0.0032		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 20:37	EPA 3005A	1,6020	BM
Iron, Dissolved	0.621		mg/l	0.050	--	1	07/27/11 15:45	07/28/11 20:37	EPA 3005A	1,6020	BM
Lead, Dissolved	0.0010		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 20:37	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.0722		mg/l	0.0010	--	1	07/27/11 15:45	07/28/11 20:37	EPA 3005A	1,6020	BM
Nickel, Dissolved	0.0012		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 20:37	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 20:37	EPA 3005A	1,6020	BM
Zinc, Dissolved	0.6994		mg/l	0.0500	--	10	07/27/11 15:45	07/28/11 19:49	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL
Lab Number: L1110903
Project Number: CJI-1747
Report Date: 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-13
Client ID: DUPLICATE (SW-09)
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/20/11 08:45
Date Received: 07/20/11
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	0.084		mg/l	0.010	--	1	07/28/11 11:00	07/29/11 23:17	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:17	EPA 3005A	1,6020	BM
Cadmium, Total	0.0013		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:17	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:17	EPA 3005A	1,6020	BM
Copper, Total	0.0025		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:17	EPA 3005A	1,6020	BM
Iron, Total	0.796		mg/l	0.050	--	1	07/28/11 11:00	07/29/11 23:17	EPA 3005A	1,6020	BM
Lead, Total	0.0012		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:17	EPA 3005A	1,6020	BM
Manganese, Total	0.0777		mg/l	0.0010	--	1	07/28/11 11:00	07/29/11 23:17	EPA 3005A	1,6020	BM
Nickel, Total	0.0011		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:17	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:17	EPA 3005A	1,6020	BM
Zinc, Total	0.1051		mg/l	0.0050	--	1	07/28/11 11:00	07/29/11 23:17	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab											
Hardness	13		mg/l	0.66	--	1	07/28/11 11:00	08/01/11 10:45	EPA 3005A	1,6010B	MG
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.078		mg/l	0.010	--	1	07/27/11 15:45	07/28/11 21:13	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:13	EPA 3005A	1,6020	BM
Cadmium, Dissolved	0.0015		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:13	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:13	EPA 3005A	1,6020	BM
Copper, Dissolved	0.0030		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:13	EPA 3005A	1,6020	BM
Iron, Dissolved	0.628		mg/l	0.050	--	1	07/27/11 15:45	07/28/11 21:13	EPA 3005A	1,6020	BM
Lead, Dissolved	0.0010		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:13	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.0733		mg/l	0.0010	--	1	07/27/11 15:45	07/28/11 21:13	EPA 3005A	1,6020	BM
Nickel, Dissolved	0.0012		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:13	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:13	EPA 3005A	1,6020	BM
Zinc, Dissolved	0.1303		mg/l	0.0050	--	1	07/27/11 15:45	07/28/11 21:13	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL
Lab Number: L1110903
Project Number: CJI-1747
Report Date: 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-14
Client ID: SW-17
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/20/11 10:30
Date Received: 07/20/11
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	0.194		mg/l	0.010	--	1	07/28/11 11:00	07/29/11 23:23	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:23	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:23	EPA 3005A	1,6020	BM
Chromium, Total	0.0005		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:23	EPA 3005A	1,6020	BM
Copper, Total	0.0027		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:23	EPA 3005A	1,6020	BM
Iron, Total	2.30		mg/l	0.050	--	1	07/28/11 11:00	07/29/11 23:23	EPA 3005A	1,6020	BM
Lead, Total	0.0013		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:23	EPA 3005A	1,6020	BM
Manganese, Total	0.3953		mg/l	0.0010	--	1	07/28/11 11:00	07/29/11 23:23	EPA 3005A	1,6020	BM
Nickel, Total	0.0015		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:23	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:23	EPA 3005A	1,6020	BM
Zinc, Total	0.1335		mg/l	0.0050	--	1	07/28/11 11:00	07/29/11 23:23	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab											
Hardness	26		mg/l	0.66	--	1	07/28/11 11:00	08/01/11 10:47	EPA 3005A	1,6010B	MG
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.021		mg/l	0.010	--	1	07/27/11 15:45	07/28/11 21:19	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:19	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:19	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:19	EPA 3005A	1,6020	BM
Copper, Dissolved	0.0016		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:19	EPA 3005A	1,6020	BM
Iron, Dissolved	0.232		mg/l	0.050	--	1	07/27/11 15:45	07/28/11 21:19	EPA 3005A	1,6020	BM
Lead, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:19	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.1673		mg/l	0.0010	--	1	07/27/11 15:45	07/28/11 21:19	EPA 3005A	1,6020	BM
Nickel, Dissolved	0.0011		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:19	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:19	EPA 3005A	1,6020	BM
Zinc, Dissolved	0.0921		mg/l	0.0050	--	1	07/27/11 15:45	07/28/11 21:19	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1110903
Report Date: 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-15
Client ID: SW-04
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/20/11 12:00
Date Received: 07/20/11
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	0.040		mg/l	0.010	--	1	07/28/11 11:00	07/29/11 23:29	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:29	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:29	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:29	EPA 3005A	1,6020	BM
Copper, Total	0.0008		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:29	EPA 3005A	1,6020	BM
Iron, Total	0.410		mg/l	0.050	--	1	07/28/11 11:00	07/29/11 23:29	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:29	EPA 3005A	1,6020	BM
Manganese, Total	0.6103		mg/l	0.0100	--	10	07/28/11 11:00	07/29/11 21:28	EPA 3005A	1,6020	BM
Nickel, Total	0.0007		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:29	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:29	EPA 3005A	1,6020	BM
Zinc, Total	0.0388		mg/l	0.0050	--	1	07/28/11 11:00	07/29/11 23:29	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab											
Hardness	24		mg/l	0.66	--	1	07/28/11 11:00	08/01/11 10:50	EPA 3005A	1,6010B	MG
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.027		mg/l	0.010	--	1	07/27/11 15:45	07/28/11 21:26	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:26	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:26	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:26	EPA 3005A	1,6020	BM
Copper, Dissolved	0.0011		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:26	EPA 3005A	1,6020	BM
Iron, Dissolved	0.185		mg/l	0.050	--	1	07/27/11 15:45	07/28/11 21:26	EPA 3005A	1,6020	BM
Lead, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:26	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.5350		mg/l	0.0100	--	10	07/27/11 15:45	07/28/11 20:19	EPA 3005A	1,6020	BM
Nickel, Dissolved	0.0009		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:26	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:26	EPA 3005A	1,6020	BM
Zinc, Dissolved	0.0503		mg/l	0.0050	--	1	07/27/11 15:45	07/28/11 21:26	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1110903
Report Date: 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-16
Client ID: FIELD BLANK
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/20/11 13:10
Date Received: 07/20/11
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	07/28/11 11:00	07/29/11 20:21	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 20:21	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 20:21	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 20:21	EPA 3005A	1,6020	BM
Copper, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 20:21	EPA 3005A	1,6020	BM
Iron, Total	ND		mg/l	0.050	--	1	07/28/11 11:00	07/29/11 20:21	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 20:21	EPA 3005A	1,6020	BM
Manganese, Total	ND		mg/l	0.0010	--	1	07/28/11 11:00	07/29/11 20:21	EPA 3005A	1,6020	BM
Nickel, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 20:21	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 20:21	EPA 3005A	1,6020	BM
Zinc, Total	0.0161		mg/l	0.0050	--	1	07/28/11 11:00	07/29/11 20:21	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab											
Hardness	0.77	B	mg/l	0.66	--	1	08/04/11 10:51	08/05/11 09:09	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	ND		mg/l	0.010	--	1	07/27/11 15:45	07/28/11 19:24	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 19:24	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 19:24	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 19:24	EPA 3005A	1,6020	BM
Copper, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 19:24	EPA 3005A	1,6020	BM
Iron, Dissolved	ND		mg/l	0.050	--	1	07/27/11 15:45	07/28/11 19:24	EPA 3005A	1,6020	BM
Lead, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 19:24	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.0025		mg/l	0.0010	--	1	07/27/11 15:45	07/28/11 19:24	EPA 3005A	1,6020	BM
Nickel, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 19:24	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 19:24	EPA 3005A	1,6020	BM
Zinc, Dissolved	0.0193		mg/l	0.0050	--	1	07/27/11 15:45	07/28/11 19:24	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1110903
Report Date: 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-17
Client ID: SW-06
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/20/11 13:34
Date Received: 07/20/11
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	0.050		mg/l	0.010	--	1	07/28/11 11:00	07/29/11 23:35	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:35	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:35	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:35	EPA 3005A	1,6020	BM
Copper, Total	0.0019		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:35	EPA 3005A	1,6020	BM
Iron, Total	0.921		mg/l	0.050	--	1	07/28/11 11:00	07/29/11 23:35	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:35	EPA 3005A	1,6020	BM
Manganese, Total	0.2319		mg/l	0.0010	--	1	07/28/11 11:00	07/29/11 23:35	EPA 3005A	1,6020	BM
Nickel, Total	0.0008		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:35	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:35	EPA 3005A	1,6020	BM
Zinc, Total	1.292		mg/l	0.0500	--	10	07/28/11 11:00	07/29/11 21:34	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab											
Hardness	26		mg/l	0.66	--	1	07/28/11 11:00	08/01/11 10:55	EPA 3005A	1,6010B	MG
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.036		mg/l	0.010	--	1	07/27/11 15:45	07/28/11 21:32	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:32	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:32	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:32	EPA 3005A	1,6020	BM
Copper, Dissolved	0.0017		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:32	EPA 3005A	1,6020	BM
Iron, Dissolved	0.466		mg/l	0.050	--	1	07/27/11 15:45	07/28/11 21:32	EPA 3005A	1,6020	BM
Lead, Dissolved	0.0005		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:32	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.2340		mg/l	0.0010	--	1	07/27/11 15:45	07/28/11 21:32	EPA 3005A	1,6020	BM
Nickel, Dissolved	0.0008		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:32	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:32	EPA 3005A	1,6020	BM
Zinc, Dissolved	1.319		mg/l	0.0500	--	10	07/27/11 15:45	07/28/11 20:25	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1110903
Report Date: 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-18
Client ID: SW-02
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/20/11 14:00
Date Received: 07/20/11
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	0.132		mg/l	0.010	--	1	07/28/11 11:00	07/29/11 23:53	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:53	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:53	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:53	EPA 3005A	1,6020	BM
Copper, Total	0.0010		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:53	EPA 3005A	1,6020	BM
Iron, Total	0.224		mg/l	0.050	--	1	07/28/11 11:00	07/29/11 23:53	EPA 3005A	1,6020	BM
Lead, Total	0.0006		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:53	EPA 3005A	1,6020	BM
Manganese, Total	0.0514		mg/l	0.0010	--	1	07/28/11 11:00	07/29/11 23:53	EPA 3005A	1,6020	BM
Nickel, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:53	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:53	EPA 3005A	1,6020	BM
Zinc, Total	0.0473		mg/l	0.0050	--	1	07/28/11 11:00	07/29/11 23:53	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab											
Hardness	24		mg/l	0.66	--	1	07/28/11 11:00	08/01/11 11:05	EPA 3005A	1,6010B	MG
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.030		mg/l	0.010	--	1	07/27/11 15:45	07/28/11 21:38	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:38	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:38	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:38	EPA 3005A	1,6020	BM
Copper, Dissolved	0.0017		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:38	EPA 3005A	1,6020	BM
Iron, Dissolved	0.126		mg/l	0.050	--	1	07/27/11 15:45	07/28/11 21:38	EPA 3005A	1,6020	BM
Lead, Dissolved	0.0011		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:38	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.0350		mg/l	0.0010	--	1	07/27/11 15:45	07/28/11 21:38	EPA 3005A	1,6020	BM
Nickel, Dissolved	0.0006		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:38	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:38	EPA 3005A	1,6020	BM
Zinc, Dissolved	0.1612		mg/l	0.0050	--	1	07/27/11 15:45	07/28/11 21:38	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL
Lab Number: L1110903
Project Number: CJI-1747
Report Date: 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-19
Client ID: SW-01
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/20/11 14:14
Date Received: 07/20/11
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	0.279		mg/l	0.010	--	1	07/28/11 11:00	07/29/11 23:59	EPA 3005A	1,6020	BM
Arsenic, Total	0.0019		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:59	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:59	EPA 3005A	1,6020	BM
Chromium, Total	0.0006		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:59	EPA 3005A	1,6020	BM
Copper, Total	0.0374		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:59	EPA 3005A	1,6020	BM
Iron, Total	4.59		mg/l	0.050	--	1	07/28/11 11:00	07/29/11 23:59	EPA 3005A	1,6020	BM
Lead, Total	0.0669		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:59	EPA 3005A	1,6020	BM
Manganese, Total	0.2426		mg/l	0.0010	--	1	07/28/11 11:00	07/29/11 23:59	EPA 3005A	1,6020	BM
Nickel, Total	0.0017		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:59	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 23:59	EPA 3005A	1,6020	BM
Zinc, Total	0.3484		mg/l	0.0050	--	1	07/28/11 11:00	07/29/11 23:59	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab											
Hardness	16		mg/l	0.66	--	1	07/28/11 11:00	08/01/11 11:08	EPA 3005A	1,6010B	MG
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.028		mg/l	0.010	--	1	07/27/11 15:45	07/28/11 21:44	EPA 3005A	1,6020	BM
Arsenic, Dissolved	0.0010		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:44	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:44	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:44	EPA 3005A	1,6020	BM
Copper, Dissolved	0.0042		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:44	EPA 3005A	1,6020	BM
Iron, Dissolved	1.73		mg/l	0.050	--	1	07/27/11 15:45	07/28/11 21:44	EPA 3005A	1,6020	BM
Lead, Dissolved	0.0130		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:44	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.0478		mg/l	0.0010	--	1	07/27/11 15:45	07/28/11 21:44	EPA 3005A	1,6020	BM
Nickel, Dissolved	0.0009		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:44	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 21:44	EPA 3005A	1,6020	BM
Zinc, Dissolved	0.1598		mg/l	0.0050	--	1	07/27/11 15:45	07/28/11 21:44	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL **Lab Number:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

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): 12-19 Batch: WG481449-1										
Aluminum, Dissolved	ND		mg/l	0.010	--	1	07/27/11 15:45	07/28/11 19:00	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 19:00	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 19:00	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 19:00	1,6020	BM
Copper, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 19:00	1,6020	BM
Iron, Dissolved	ND		mg/l	0.050	--	1	07/27/11 15:45	07/28/11 19:00	1,6020	BM
Lead, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 19:00	1,6020	BM
Manganese, Dissolved	ND		mg/l	0.0010	--	1	07/27/11 15:45	07/28/11 19:00	1,6020	BM
Nickel, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 19:00	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	--	1	07/27/11 15:45	07/28/11 19:00	1,6020	BM
Zinc, Dissolved	ND		mg/l	0.0050	--	1	07/27/11 15:45	07/28/11 19:00	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): 01-10,12-19 Batch: WG481633-1										
Aluminum, Total	ND		mg/l	0.010	--	1	07/28/11 11:00	07/29/11 16:25	1,6020	BM
Antimony, Total	ND		mg/l	0.0010	--	1	07/28/11 11:00	07/29/11 16:25	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 16:25	1,6020	BM
Barium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 16:25	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 16:25	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 16:25	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 16:25	1,6020	BM
Copper, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 16:25	1,6020	BM
Iron, Total	ND		mg/l	0.050	--	1	07/28/11 11:00	07/29/11 16:25	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 16:25	1,6020	BM
Manganese, Total	ND		mg/l	0.0010	--	1	07/28/11 11:00	07/29/11 16:25	1,6020	BM
Nickel, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 16:25	1,6020	BM
Silver, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 16:25	1,6020	BM
Thallium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 16:25	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	07/28/11 11:00	07/29/11 16:25	1,6020	BM

Project Name: ROSE HILL LANDFILL **Lab Number:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

Method Blank Analysis
Batch Quality Control

Zinc, Total	ND	mg/l	0.0050	--	1	07/28/11 11:00	07/29/11 16:25	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): 01-10,12-15,17-19 Batch: WG481642-1										
Sodium, Total	ND		mg/l	2.0	--	1	07/28/11 11:00	08/01/11 09:52	1,6010B	MG

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): 01-10,12-15,17-19 Batch: WG481642-1										
Hardness	0.96		mg/l	0.66	--	1	07/28/11 11:00	08/01/11 09:52	1,6010B	MG

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): 16 Batch: WG482868-1										
Hardness	0.76		mg/l	0.66	--	1	08/04/11 10:51	08/05/11 09:03	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: L1110903
Report Date: 08/05/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 12-19 Batch: WG481449-2								
Aluminum, Dissolved	100		-		80-120	-		
Arsenic, Dissolved	113		-		80-120	-		
Cadmium, Dissolved	114		-		80-120	-		
Chromium, Dissolved	101		-		80-120	-		
Copper, Dissolved	106		-		80-120	-		
Iron, Dissolved	101		-		80-120	-		
Lead, Dissolved	104		-		80-120	-		
Manganese, Dissolved	105		-		80-120	-		
Nickel, Dissolved	105		-		80-120	-		
Silver, Dissolved	102		-		80-120	-		
Zinc, Dissolved	108		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1110903
Report Date: 08/05/11

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-10,12-19 Batch: WG481633-2					
Aluminum, Total	96	-	80-120	-	
Antimony, Total	86	-	80-120	-	
Arsenic, Total	110	-	80-120	-	
Barium, Total	92	-	80-120	-	
Beryllium, Total	99	-	80-120	-	
Cadmium, Total	108	-	80-120	-	
Chromium, Total	97	-	80-120	-	
Copper, Total	100	-	80-120	-	
Iron, Total	102	-	80-120	-	
Lead, Total	100	-	80-120	-	
Manganese, Total	98	-	80-120	-	
Nickel, Total	100	-	80-120	-	
Silver, Total	94	-	80-120	-	
Thallium, Total	93	-	80-120	-	
Vanadium, Total	93	-	80-120	-	
Zinc, Total	103	-	80-120	-	
Total Metals - Westborough Lab Associated sample(s): 01-10,12-15,17-19 Batch: WG481642-2					
Sodium, Total	110	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1110903
Report Date: 08/05/11

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Hardness by SM 2340B - Westborough Lab Associated sample(s): 01-10,12-15,17-19 Batch: WG481642-2					
Hardness	101	-	80-120	-	
Total Hardness by SM 2340B - Westborough Lab Associated sample(s): 16 Batch: WG482868-2					
Hardness	98	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1110903
Report Date: 08/05/11

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): 12-19 QC Batch ID: WG481449-4 QC Sample: L1110903-12 Client ID: SW-09												
Aluminum, Dissolved	0.080	2	1.92	92		-	-		80-120	-		20
Arsenic, Dissolved	ND	0.12	0.1318	110		-	-		80-120	-		20
Cadmium, Dissolved	0.0015	0.051	0.0570	109		-	-		80-120	-		20
Chromium, Dissolved	ND	0.2	0.1921	96		-	-		80-120	-		20
Copper, Dissolved	0.0032	0.25	0.2555	101		-	-		80-120	-		20
Iron, Dissolved	0.621	1	1.56	94		-	-		80-120	-		20
Lead, Dissolved	0.0010	0.51	0.5121	100		-	-		80-120	-		20
Manganese, Dissolved	0.0722	0.5	0.5703	100		-	-		80-120	-		20
Nickel, Dissolved	0.0012	0.5	0.4998	100		-	-		80-120	-		20
Silver, Dissolved	ND	0.05	0.0487	97		-	-		80-120	-		20
Zinc, Dissolved	0.6994	0.5	1.235	107		-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1110903
Report Date: 08/05/11

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): 01-10,12-19 QC Batch ID: WG481633-4 WG481633-5 QC Sample: L1110903-02 Client ID: MW4DO										
Aluminum, Total	ND	2	1.80	90		1.92	96	80-120	6	20
Antimony, Total	ND	0.5	0.4813	96		0.5029	100	80-120	4	20
Arsenic, Total	0.0009	0.12	0.1266	105		0.1309	108	80-120	3	20
Barium, Total	0.0292	2	1.807	89		1.908	94	80-120	5	20
Beryllium, Total	ND	0.05	0.0451	90		0.0472	94	80-120	5	20
Cadmium, Total	ND	0.051	0.0516	101		0.0536	105	80-120	4	20
Chromium, Total	ND	0.2	0.1800	90		0.1945	97	80-120	8	20
Copper, Total	ND	0.25	0.2375	95		0.2544	102	80-120	7	20
Iron, Total	30.5	1	29.4	**70**		31.7	**300**	80-120	8	20
Lead, Total	ND	0.51	0.4893	96		0.5296	104	80-120	8	20
Manganese, Total	2.197	0.5	2.586	**78**		2.864	**133**	80-120	10	20
Nickel, Total	ND	0.5	0.4701	94		0.5007	100	80-120	6	20
Silver, Total	ND	0.05	0.0447	89		0.0474	95	80-120	6	20
Thallium, Total	ND	0.12	0.0929	**77**	Q	0.1000	83	80-120	7	20
Vanadium, Total	ND	0.5	0.4446	89		0.4739	95	80-120	6	20
Zinc, Total	ND	0.5	0.4893	98		0.5170	103	80-120	6	20
Total Metals - Westborough Lab Associated sample(s): 01-10,12-15,17-19 QC Batch ID: WG481642-4 WG481642-5 QC Sample: L1110903-02 Client ID: MW4DO										
Sodium, Total	13	10	23	100		24	110	75-125	4	20

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1110903
Report Date: 08/05/11

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Hardness by SM 2340B - Westborough Lab Associated sample(s): 01-10,12-15,17-19 QC Batch ID: WG481642-4 WG481642-5 QC Sample: L1110903-02 Client ID: MW4DO									
Hardness	38	66.2	100	94	110	109	75-125	10	20
Total Hardness by SM 2340B - Westborough Lab Associated sample(s): 16 QC Batch ID: WG482868-4 QC Sample: L1111698-01 Client ID: MS Sample									
Hardness	95	66.2	160	98	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

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

Lab Number: L1110903
Report Date: 08/05/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 12-19 QC Batch ID: WG481449-3 QC Sample: L1110903-12 Client ID: SW-09						
Zinc, Dissolved	0.6994	0.6999	mg/l	0		20
Dissolved Metals - Westborough Lab Associated sample(s): 12-19 QC Batch ID: WG481449-3 QC Sample: L1110903-12 Client ID: SW-09						
Aluminum, Dissolved	0.080	0.076	mg/l	4		20
Arsenic, Dissolved	ND	ND	mg/l	NC		20
Cadmium, Dissolved	0.0015	0.0015	mg/l	1		20
Chromium, Dissolved	ND	ND	mg/l	NC		20
Copper, Dissolved	0.0032	0.0033	mg/l	5		20
Iron, Dissolved	0.621	0.628	mg/l	1		20
Lead, Dissolved	0.0010	0.0010	mg/l	0		20
Manganese, Dissolved	0.0722	0.0737	mg/l	2		20
Nickel, Dissolved	0.0012	0.0013	mg/l	9		20
Silver, Dissolved	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

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

Lab Number: L1110903
Report Date: 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-12
Client ID: SW-09
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/20/11 08:45
Date Received: 07/20/11
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	07/22/11 18:30	07/25/11 15:03	1,9010B/9012A	JO
Nitrogen, Ammonia	0.354		mg/l	0.075	--	1	07/22/11 10:30	07/26/11 14:29	30,4500NH3-BH	JO
Nitrogen, Nitrate	1.7		mg/l	0.10	--	1	-	07/21/11 00:16	30,4500NO3-F	TH
Phosphorus, Total	0.024		mg/l	0.010	--	1	07/26/11 11:00	07/26/11 14:50	30,4500P-E	SD
Sulfide	ND		mg/l	0.10	--	1	07/22/11 17:15	07/22/11 21:57	1,9030B	AT
Total Organic Carbon	6.3		mg/l	1.0	--	2	-	07/28/11 07:28	1,9060	DW

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

Lab Number: L1110903
Report Date: 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-13
Client ID: DUPLICATE (SW-09)
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/20/11 08:45
Date Received: 07/20/11
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	07/22/11 18:30	07/25/11 15:04	1,9010B/9012A	JO
Nitrogen, Ammonia	0.125		mg/l	0.075	--	1	07/22/11 10:30	07/26/11 14:30	30,4500NH3-BH	JO
Nitrogen, Nitrate	0.48		mg/l	0.10	--	1	-	07/21/11 00:16	30,4500NO3-F	TH
Phosphorus, Total	0.018		mg/l	0.010	--	1	07/26/11 11:00	07/26/11 14:50	30,4500P-E	SD
Sulfide	ND		mg/l	0.10	--	1	07/22/11 17:15	07/22/11 21:58	1,9030B	AT
Total Organic Carbon	6.4		mg/l	1.0	--	2	-	07/28/11 07:28	1,9060	DW

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

Lab Number: L1110903
Report Date: 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-14
Client ID: SW-17
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/20/11 10:30
Date Received: 07/20/11
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	07/22/11 18:30	07/25/11 15:05	1,9010B/9012A	JO
Nitrogen, Ammonia	0.159		mg/l	0.075	--	1	07/22/11 10:30	07/26/11 15:33	30,4500NH3-BH	JO
Nitrogen, Nitrate	0.92		mg/l	0.10	--	1	-	07/21/11 00:17	30,4500NO3-F	TH
Phosphorus, Total	0.039		mg/l	0.010	--	1	07/26/11 11:00	07/26/11 14:50	30,4500P-E	SD
Sulfide	ND		mg/l	0.10	--	1	07/22/11 17:15	07/22/11 21:58	1,9030B	AT
Total Organic Carbon	4.2		mg/l	1.0	--	2	-	07/28/11 07:28	1,9060	DW

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

Lab Number: L1110903
Report Date: 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-15
Client ID: SW-04
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/20/11 12:00
Date Received: 07/20/11
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	07/22/11 18:30	07/25/11 15:05	1,9010B/9012A	JO
Nitrogen, Ammonia	0.259		mg/l	0.075	--	1	07/22/11 10:30	07/26/11 15:34	30,4500NH3-BH	JO
Nitrogen, Nitrate	0.91		mg/l	0.10	--	1	-	07/21/11 00:18	30,4500NO3-F	TH
Phosphorus, Total	0.031		mg/l	0.010	--	1	07/26/11 11:00	07/26/11 14:50	30,4500P-E	SD
Sulfide	ND		mg/l	0.10	--	1	07/22/11 17:15	07/22/11 21:58	1,9030B	AT
Total Organic Carbon	3.8		mg/l	1.0	--	2	-	07/28/11 07:28	1,9060	DW

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

Lab Number: L1110903
Report Date: 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-16
Client ID: FIELD BLANK
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/20/11 13:10
Date Received: 07/20/11
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	07/22/11 18:30	07/25/11 15:06	1,9010B/9012A	JO
Nitrogen, Ammonia	ND		mg/l	0.075	--	1	07/22/11 10:30	07/26/11 15:35	30,4500NH3-BH	JO
Nitrogen, Nitrate	ND		mg/l	0.10	--	1	-	07/21/11 00:18	30,4500NO3-F	TH
Phosphorus, Total	ND		mg/l	0.010	--	1	07/26/11 11:00	07/26/11 14:50	30,4500P-E	SD
Sulfide	ND		mg/l	0.10	--	1	07/22/11 17:15	07/22/11 21:59	1,9030B	AT
Total Organic Carbon	ND		mg/l	0.50	--	1	-	07/28/11 07:28	1,9060	DW

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

Lab Number: L1110903
Report Date: 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-17
Client ID: SW-06
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/20/11 13:34
Date Received: 07/20/11
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	07/27/11 12:00	07/27/11 18:29	1,9010B/9012A	JO
Nitrogen, Ammonia	0.449		mg/l	0.075	--	1	07/22/11 10:30	07/26/11 15:36	30,4500NH3-BH	JO
Nitrogen, Nitrate	0.97		mg/l	0.10	--	1	-	07/21/11 00:19	30,4500NO3-F	TH
Phosphorus, Total	0.014		mg/l	0.010	--	1	07/26/11 11:00	07/26/11 14:50	30,4500P-E	SD
Sulfide	ND		mg/l	0.10	--	1	07/22/11 17:15	07/22/11 21:59	1,9030B	AT
Total Organic Carbon	4.5		mg/l	1.0	--	2	-	07/28/11 07:28	1,9060	DW

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

Lab Number: L1110903
Report Date: 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-18
Client ID: SW-02
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/20/11 14:00
Date Received: 07/20/11
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	07/22/11 18:30	07/25/11 15:08	1,9010B/9012A	JO
Nitrogen, Ammonia	ND		mg/l	0.075	--	1	07/22/11 10:30	07/26/11 15:36	30,4500NH3-BH	JO
Nitrogen, Nitrate	1.0		mg/l	0.10	--	1	-	07/21/11 00:20	30,4500NO3-F	TH
Phosphorus, Total	0.060		mg/l	0.010	--	1	07/26/11 11:00	07/26/11 14:50	30,4500P-E	SD
Sulfide	ND		mg/l	0.10	--	1	07/22/11 17:15	07/22/11 21:59	1,9030B	AT
Total Organic Carbon	3.5		mg/l	1.0	--	2	-	07/28/11 07:28	1,9060	DW

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

Lab Number: L1110903
Report Date: 08/05/11

SAMPLE RESULTS

Lab ID: L1110903-19
Client ID: SW-01
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/20/11 14:14
Date Received: 07/20/11
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	07/22/11 18:30	07/25/11 15:09	1,9010B/9012A	JO
Nitrogen, Ammonia	ND		mg/l	0.075	--	1	07/22/11 10:30	07/26/11 15:37	30,4500NH3-BH	JO
Nitrogen, Nitrate	0.12		mg/l	0.10	--	1	-	07/21/11 01:05	30,4500NO3-F	TH
Phosphorus, Total	0.096		mg/l	0.010	--	1	07/26/11 11:00	07/26/11 14:50	30,4500P-E	SD
Sulfide	ND		mg/l	0.10	--	1	07/22/11 17:15	07/22/11 21:59	1,9030B	AT
Total Organic Carbon	8.8		mg/l	1.0	--	2	-	07/28/11 07:28	1,9060	DW

Project Name: ROSE HILL LANDFILL **Lab Number:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

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): 12-19 Batch: WG480179-2										
Nitrogen, Nitrate	ND		mg/l	0.10	--	1	-	07/20/11 23:49	30,4500NO3-F	TH
General Chemistry - Westborough Lab for sample(s): 12-19 Batch: WG480531-1										
Nitrogen, Ammonia	ND		mg/l	0.075	--	1	07/22/11 10:30	07/26/11 14:12	30,4500NH3-BH	JO
General Chemistry - Westborough Lab for sample(s): 12-16,18-19 Batch: WG480671-1										
Cyanide, Total	ND		mg/l	0.005	--	1	07/22/11 18:30	07/25/11 14:55	1,9010B/9012A	JO
General Chemistry - Westborough Lab for sample(s): 12-19 Batch: WG480689-1										
Sulfide	ND		mg/l	0.10	--	1	07/22/11 17:15	07/22/11 21:55	1,9030B	AT
General Chemistry - Westborough Lab for sample(s): 12-19 Batch: WG481161-1										
Phosphorus, Total	ND		mg/l	0.010	--	1	07/26/11 11:00	07/26/11 14:50	30,4500P-E	SD
General Chemistry - Westborough Lab for sample(s): 17 Batch: WG481575-3										
Cyanide, Total	ND		mg/l	0.005	--	1	07/27/11 12:00	07/27/11 18:14	1,9010B/9012A	JO
General Chemistry - Westborough Lab for sample(s): 12-19 Batch: WG481629-1										
Total Organic Carbon	ND		mg/l	0.50	--	1	-	07/28/11 07:28	1,9060	DW

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1110903
Report Date: 08/05/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 12-19 Batch: WG480179-1								
Nitrogen, Nitrate	102		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 12-19 Batch: WG480531-2								
Nitrogen, Ammonia	103		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 12-16,18-19 Batch: WG480671-2 WG480671-3								
Cyanide, Total	98		91		80-120	7		
General Chemistry - Westborough Lab Associated sample(s): 12-19 Batch: WG480689-2								
Sulfide	100		-		75-125	-		
General Chemistry - Westborough Lab Associated sample(s): 12-19 Batch: WG481161-2								
Phosphorus, Total	100		-		85-115	-		
General Chemistry - Westborough Lab Associated sample(s): 17 Batch: WG481575-1 WG481575-2								
Cyanide, Total	98		103		80-120	5		
General Chemistry - Westborough Lab Associated sample(s): 12-19 Batch: WG481629-2								
Total Organic Carbon	94		-		90-110	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1110903
Report Date: 08/05/11

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): 12-19 QC Batch ID: WG480179-3 QC Sample: L1110880-01 Client ID: MS Sample												
Nitrogen, Nitrate	ND	40	40	100		-	-		83-113	-		17
General Chemistry - Westborough Lab Associated sample(s): 12-19 QC Batch ID: WG480531-4 QC Sample: L1110903-14 Client ID: SW-17												
Nitrogen, Ammonia	0.159	4	3.60	85		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 12-16,18-19 QC Batch ID: WG480671-4 WG480671-5 QC Sample: L1110806-16 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.191	96		0.207	104		80-120	8		30
General Chemistry - Westborough Lab Associated sample(s): 12-19 QC Batch ID: WG480689-3 QC Sample: L1110806-16 Client ID: MS Sample												
Sulfide	ND	0.26	0.24	92		-	-		70-130	-		20
General Chemistry - Westborough Lab Associated sample(s): 12-19 QC Batch ID: WG481161-3 QC Sample: L1110646-05 Client ID: MS Sample												
Phosphorus, Total	ND	0.5	0.532	106		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 17 QC Batch ID: WG481575-4 WG481575-5 QC Sample: L1110903-17 Client ID: SW-06												
Cyanide, Total	ND	0.2	0.233	116		0.237	118		80-120	2		30
General Chemistry - Westborough Lab Associated sample(s): 12-19 QC Batch ID: WG481629-3 QC Sample: L1110903-14 Client ID: SW-17												
Total Organic Carbon	4.2	8	13	110		-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

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

Lab Number: L1110903
Report Date: 08/05/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 12-19 QC Batch ID: WG480179-4 QC Sample: L1110880-01 Client ID: DUP Sample						
Nitrogen, Nitrate	ND	ND	mg/l	NC		17
General Chemistry - Westborough Lab Associated sample(s): 12-19 QC Batch ID: WG480531-3 QC Sample: L1110935-04 Client ID: DUP Sample						
Nitrogen, Ammonia	225	228	mg/l	2		20
General Chemistry - Westborough Lab Associated sample(s): 12-19 QC Batch ID: WG480689-4 QC Sample: L1110806-16 Client ID: DUP Sample						
Sulfide	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 12-19 QC Batch ID: WG481161-4 QC Sample: L1110646-05 Client ID: DUP Sample						
Phosphorus, Total	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 12-19 QC Batch ID: WG481629-4 QC Sample: L1110903-13 Client ID: DUPLICATE (SW-09)						
Total Organic Carbon	6.4	6.5	mg/l	2		20

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

Lab Number: L1110903
Report Date: 08/05/11

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(*)
L1110903-01A	Vial HCl preserved	A	N/A	3.1	Y	Absent	8260(14)
L1110903-01B	Vial HCl preserved	A	N/A	3.1	Y	Absent	8260(14)
L1110903-01C	Amber 1000ml unpreserved	A	7	3.1	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1110903-01D	Amber 1000ml unpreserved	A	7	3.1	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1110903-01E	Plastic 500ml HNO3 preserved	A	<2	3.1	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)
L1110903-02A	Vial HCl preserved	A	N/A	3.1	Y	Absent	8260(14)
L1110903-02B	Vial HCl preserved	A	N/A	3.1	Y	Absent	8260(14)
L1110903-02C	Amber 1000ml unpreserved	A	7	3.1	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1110903-02D	Amber 1000ml unpreserved	A	7	3.1	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1110903-02E	Plastic 500ml HNO3 preserved	A	<2	3.1	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)
L1110903-02F	Vial HCl preserved	A	NA	3.1	Y	Absent	8260(14)
L1110903-02G	Vial HCl preserved	A	NA	3.1	Y	Absent	8260(14)
L1110903-02H	Amber 1000ml unpreserved	A	NA	3.1	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1110903-02I	Amber 1000ml unpreserved	A	NA	3.1	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1110903-02J	Plastic 500ml HNO3 preserved	A	NA	3.1	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: L1110903
Report Date: 08/05/11

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1110903-02K	Vial HCl preserved	A	NA	3.1	Y	Absent	8260(14)
L1110903-02L	Vial HCl preserved	A	NA	3.1	Y	Absent	8260(14)
L1110903-02M	Amber 1000ml unpreserved	A	NA	3.1	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1110903-02N	Amber 1000ml unpreserved	A	NA	3.1	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1110903-02O	Plastic 500ml HNO3 preserved	A	NA	3.1	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)
L1110903-03A	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1110903-03B	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1110903-03C	Amber 1000ml unpreserved	C	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1110903-03D	Amber 1000ml unpreserved	C	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1110903-03E	Plastic 500ml HNO3 preserved	C	<2	2	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)
L1110903-04A	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1110903-04B	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1110903-04C	Amber 1000ml unpreserved	C	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1110903-04D	Amber 1000ml unpreserved	C	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1110903-04E	Plastic 500ml HNO3 preserved	C	<2	2	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)
L1110903-05A	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1110903-05B	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1110903-05C	Amber 1000ml unpreserved	C	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1110903-05D	Amber 1000ml unpreserved	C	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1110903-05E	Plastic 500ml HNO3 preserved	C	<2	2	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)
L1110903-06A	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1110903-06B	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1110903-06C	Amber 1000ml unpreserved	C	7	2	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: L1110903
Report Date: 08/05/11

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1110903-06D	Amber 1000ml unpreserved	C	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1110903-06E	Plastic 500ml HNO3 preserved	C	<2	2	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)
L1110903-07A	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1110903-07B	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1110903-07C	Amber 1000ml unpreserved	C	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1110903-07D	Amber 1000ml unpreserved	C	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1110903-07E	Plastic 500ml HNO3 preserved	C	<2	2	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)
L1110903-08A	Vial HCl preserved	B	N/A	2	Y	Absent	8260(14)
L1110903-08B	Vial HCl preserved	B	N/A	2	Y	Absent	8260(14)
L1110903-08C	Amber 1000ml unpreserved	B	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1110903-08D	Amber 1000ml unpreserved	B	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1110903-08E	Plastic 500ml HNO3 preserved	B	<2	2	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)
L1110903-09A	Vial HCl preserved	B	N/A	2	Y	Absent	8260(14)
L1110903-09B	Vial HCl preserved	B	N/A	2	Y	Absent	8260(14)
L1110903-09C	Amber 1000ml unpreserved	B	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1110903-09D	Amber 1000ml unpreserved	B	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1110903-09E	Plastic 500ml HNO3 preserved	B	<2	2	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)
L1110903-10A	Vial HCl preserved	B	N/A	2	Y	Absent	8260(14)
L1110903-10B	Vial HCl preserved	B	N/A	2	Y	Absent	8260(14)
L1110903-10C	Amber 1000ml unpreserved	B	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1110903-10D	Amber 1000ml unpreserved	B	7	2	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: L1110903
Report Date: 08/05/11

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1110903-10E	Plastic 500ml HNO3 preserved	B	<2	2	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)
L1110903-11A	Vial HCl preserved	A	N/A	3.1	Y	Absent	8260(14)
L1110903-11B	Vial HCl preserved	A	N/A	3.1	Y	Absent	8260(14)
L1110903-12A	Vial H2SO4 preserved	A	N/A	3.1	Y	Absent	TOC-9060(28)
L1110903-12B	Vial H2SO4 preserved	A	N/A	3.1	Y	Absent	TOC-9060(28)
L1110903-12C	Plastic 500ml unpreserved	A	7	3.1	Y	Absent	-
L1110903-12D	Plastic 500ml H2SO4 preserved	A	<2	3.1	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1110903-12E	Plastic 250ml unpreserved	A	7	3.1	Y	Absent	NO3-4500(2)
L1110903-12F	Plastic 250ml NaOH preserved	A	>12	3.1	Y	Absent	TCN-9010(14)
L1110903-12G	Plastic 250ml Zn Acetate/NaOH pr	A	>12	3.1	Y	Absent	SULFIDE-9030(7)
L1110903-12H	Plastic 250ml Zn Acetate/NaOH pr	A	>12	3.1	Y	Absent	SULFIDE-9030(7)
L1110903-12I	Plastic 250ml HNO3 preserved	A	<2	3.1	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)
L1110903-12J	Plastic 250ml HNO3 preserved	A	<2	3.1	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)
L1110903-12X	Plastic 500ml HNO3 preserved spl	A	<2	3.1	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)
L1110903-13A	Vial H2SO4 preserved	A	N/A	3.1	Y	Absent	TOC-9060(28)
L1110903-13B	Vial H2SO4 preserved	A	N/A	3.1	Y	Absent	TOC-9060(28)
L1110903-13C	Plastic 500ml unpreserved	A	7	3.1	Y	Absent	-
L1110903-13D	Plastic 500ml H2SO4 preserved	A	<2	3.1	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1110903-13E	Plastic 250ml unpreserved	A	7	3.1	Y	Absent	NO3-4500(2)
L1110903-13F	Plastic 250ml NaOH preserved	A	>12	3.1	Y	Absent	TCN-9010(14)
L1110903-13G	Plastic 250ml Zn Acetate/NaOH pr	A	>12	3.1	Y	Absent	SULFIDE-9030(7)
L1110903-13H	Plastic 250ml Zn Acetate/NaOH pr	A	>12	3.1	Y	Absent	SULFIDE-9030(7)

*Values in parentheses indicate holding time in days

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

Lab Number: L1110903
Report Date: 08/05/11

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1110903-13I	Plastic 250ml HNO3 preserved	A	<2	3.1	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)
L1110903-13J	Plastic 250ml HNO3 preserved	A	<2	3.1	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)
L1110903-13X	Plastic 500ml HNO3 preserved spl	A	<2	3.1	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)
L1110903-14A	Vial H2SO4 preserved	C	N/A	2	Y	Absent	TOC-9060(28)
L1110903-14B	Vial H2SO4 preserved	C	N/A	2	Y	Absent	TOC-9060(28)
L1110903-14C	Plastic 500ml unpreserved	C	7	2	Y	Absent	-
L1110903-14D	Plastic 500ml H2SO4 preserved	C	<2	2	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1110903-14E	Plastic 250ml unpreserved	C	7	2	Y	Absent	NO3-4500(2)
L1110903-14F	Plastic 250ml NaOH preserved	C	>12	2	Y	Absent	TCN-9010(14)
L1110903-14G	Plastic 250ml Zn Acetate/NaOH pr	C	>12	2	Y	Absent	SULFIDE-9030(7)
L1110903-14H	Plastic 250ml Zn Acetate/NaOH pr	C	>12	2	Y	Absent	SULFIDE-9030(7)
L1110903-14I	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)
L1110903-14J	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)
L1110903-14X	Plastic 500ml 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)
L1110903-15A	Vial H2SO4 preserved	C	N/A	2	Y	Absent	TOC-9060(28)
L1110903-15B	Vial H2SO4 preserved	C	N/A	2	Y	Absent	TOC-9060(28)
L1110903-15C	Plastic 500ml unpreserved	C	7	2	Y	Absent	-

*Values in parentheses indicate holding time in days

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

Lab Number: L1110903
Report Date: 08/05/11

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1110903-15D	Plastic 500ml H2SO4 preserved	C	<2	2	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1110903-15E	Plastic 250ml unpreserved	C	7	2	Y	Absent	NO3-4500(2)
L1110903-15F	Plastic 250ml NaOH preserved	C	>12	2	Y	Absent	TCN-9010(14)
L1110903-15G	Plastic 250ml Zn Acetate/NaOH pr	C	>12	2	Y	Absent	SULFIDE-9030(7)
L1110903-15H	Plastic 250ml Zn Acetate/NaOH pr	C	>12	2	Y	Absent	SULFIDE-9030(7)
L1110903-15I	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)
L1110903-15J	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)
L1110903-15X	Plastic 500ml 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)
L1110903-16A	Vial H2SO4 preserved	B	N/A	2	Y	Absent	TOC-9060(28)
L1110903-16B	Vial H2SO4 preserved	B	N/A	2	Y	Absent	TOC-9060(28)
L1110903-16C	Plastic 500ml unpreserved	B	7	2	Y	Absent	-
L1110903-16D	Plastic 500ml H2SO4 preserved	B	<2	2	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1110903-16E	Plastic 250ml unpreserved	B	7	2	Y	Absent	NO3-4500(2)
L1110903-16F	Plastic 250ml NaOH preserved	B	>12	2	Y	Absent	TCN-9010(14)
L1110903-16G	Plastic 250ml Zn Acetate/NaOH pr	B	>12	2	Y	Absent	SULFIDE-9030(7)
L1110903-16H	Plastic 250ml Zn Acetate/NaOH pr	B	>12	2	Y	Absent	SULFIDE-9030(7)
L1110903-16I	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(180)
L1110903-16J	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(180)

*Values in parentheses indicate holding time in days

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

Lab Number: L1110903
Report Date: 08/05/11

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1110903-16X	Plastic 500ml 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)
L1110903-17A	Vial H2SO4 preserved	B	N/A	2	Y	Absent	TOC-9060(28)
L1110903-17B	Vial H2SO4 preserved	B	N/A	2	Y	Absent	TOC-9060(28)
L1110903-17C	Plastic 500ml unpreserved	B	7	2	Y	Absent	-
L1110903-17D	Plastic 500ml H2SO4 preserved	B	<2	2	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1110903-17E	Plastic 250ml unpreserved	B	7	2	Y	Absent	NO3-4500(2)
L1110903-17F	Plastic 250ml NaOH preserved	B	>12	2	Y	Absent	TCN-9010(14)
L1110903-17G	Plastic 250ml Zn Acetate/NaOH pr	B	>12	2	Y	Absent	SULFIDE-9030(7)
L1110903-17H	Plastic 250ml Zn Acetate/NaOH pr	B	>12	2	Y	Absent	SULFIDE-9030(7)
L1110903-17I	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(180)
L1110903-17J	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(180)
L1110903-17X	Plastic 500ml 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)
L1110903-18A	Vial H2SO4 preserved	B	N/A	2	Y	Absent	TOC-9060(28)
L1110903-18B	Vial H2SO4 preserved	B	N/A	2	Y	Absent	TOC-9060(28)
L1110903-18C	Plastic 500ml unpreserved	B	7	2	Y	Absent	-
L1110903-18D	Plastic 500ml H2SO4 preserved	B	<2	2	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1110903-18E	Plastic 250ml unpreserved	B	7	2	Y	Absent	NO3-4500(2)
L1110903-18F	Plastic 250ml NaOH preserved	B	>12	2	Y	Absent	TCN-9010(14)
L1110903-18G	Plastic 250ml Zn Acetate/NaOH pr	B	>12	2	Y	Absent	SULFIDE-9030(7)
L1110903-18H	Plastic 250ml Zn Acetate/NaOH pr	B	>12	2	Y	Absent	SULFIDE-9030(7)
L1110903-18I	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(180)

*Values in parentheses indicate holding time in days

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

Lab Number: L1110903
Report Date: 08/05/11

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1110903-18J	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(180)
L1110903-18X	Plastic 500ml 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)
L1110903-19A	Vial H2SO4 preserved	B	N/A	2	Y	Absent	TOC-9060(28)
L1110903-19B	Vial H2SO4 preserved	B	N/A	2	Y	Absent	TOC-9060(28)
L1110903-19C	Plastic 500ml unpreserved	B	7	2	Y	Absent	-
L1110903-19D	Plastic 500ml H2SO4 preserved	B	<2	2	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1110903-19E	Plastic 250ml unpreserved	B	7	2	Y	Absent	NO3-4500(2)
L1110903-19F	Plastic 250ml NaOH preserved	B	>12	2	Y	Absent	TCN-9010(14)
L1110903-19G	Plastic 250ml Zn Acetate/NaOH pr	B	>12	2	Y	Absent	SULFIDE-9030(7)
L1110903-19H	Plastic 250ml Zn Acetate/NaOH pr	B	>12	2	Y	Absent	SULFIDE-9030(7)
L1110903-19I	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(180)
L1110903-19J	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(180)
L1110903-19X	Plastic 500ml 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

L1110903-19I

*Values in parentheses indicate holding time in days

Project Name: ROSE HILL LANDFILL **Lab Number:** L1110903

Project Number: CJI-1747 **Report Date:** 08/05/11

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.

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.

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. 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

Report Format: Data Usability Report

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1110903
Project Number:	CJI-1747	**Report Date:**	08/05/11

Data Qualifiers

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:** L1110903
Project Number: CJI-1747 **Report Date:** 08/05/11

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 July 28, 2011 - 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, Aldrin, Dieldrin, DDD, DDE, DDT, 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, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, 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, 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, 3580A, 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, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B**,** 3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 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, 376.2, 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.)

Department of Defense 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: 7/20/11

ALPHA Job #: 21110903

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: 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
10903.1	MW4S	7/20/11	7:58	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		5
2	MW4DO		8:32	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
2	MS (MW4DO)		8:32	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
2	MSD (MW4DO)		8:32	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
3	MW3BR		9:39	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
4	Duplicate (MW3BR)		9:39	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
5	MW3D		10:20	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
6	MW12D		11:19	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
7	MW12DO		11:52	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
8	Rep #7		1:04	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		

Container Type	V	A	P	-	-	-	-	-	-	-	-	-
Preservative	B	A	C	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	7/20/11 4:18	[signature]	7/20/11 1618
[signature]	7/20/11 1815	[signature]	7/20/11 1815

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:08051119:26

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: 7/20/11 | ALPHA Job #: L1110903

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: 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
10903 . 9	Rose #12	7/20/11	1:45	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		5
10	Field Blank	" "	1:10	GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		5
11	Trip Blank	—	—	~~GW~~	~~SH~~	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		2
				~~GW~~	~~SH~~	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
				~~GW~~	~~SH~~	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
				~~GW~~	~~SH~~	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
				GW	SH	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
				~~GW~~	~~SH~~	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
				~~GW~~	~~SH~~	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		
				~~GW~~	~~SH~~	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐		

Container Type	V	A	P	-	-	-	-	-	-	-	-	-
Preservative	B	A	C	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	7/20/11 4:11	[signature]	7/20/11 1618
[signature]	7/20/11 1815	[signature]	7/20/11 1815

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:08051119:26

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: 7/20/11 | ALPHA Job #: L1110903

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: Time:

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

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	Sulfide	NH3, TPhos	TCN	TOC	NO3	Dissolved Metals	Total Metals	Hardness					Sample Specific Comments	TOTAL # BOTTLES
10903 12	SW-09	7/20/11	8:45	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		10
13	Replicate (SW-09)		8:45	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		
14	SW-17		10:30	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		
15	SW-04		12:00	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		
16	Field Blank		1:10	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		
17	SW-06		1:34	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		
18	SW-02		2:00	SW	SH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		
19	SW-01		2:14	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
[signature]	7/20/11 4:18	[signature]	7/20/11 1618
[signature]	7/20/11 1618	[signature]	7/20/11 1895

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:08051119:26

APPENDIX E
LABORATORY ANALYTICAL REPORTS

ANALYTICAL REPORT

Lab Number:	L1010855
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:	JI-1747
Report Date:	07/26/10

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

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: JI-1747

Lab Number: L1010855
Report Date: 07/26/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1010855-01	MW11S	SOUTH KINGSTOWN, RI	07/19/10 08:25
L1010855-02	MW11DO	SOUTH KINGSTOWN, RI	07/19/10 09:08
L1010855-03	MW11BR	SOUTH KINGSTOWN, RI	07/19/10 09:42
L1010855-04	MW6DO	SOUTH KINGSTOWN, RI	07/19/10 11:20
L1010855-05	DUP (MW6DO)	SOUTH KINGSTOWN, RI	07/19/10 11:20
L1010855-06	MW5S	SOUTH KINGSTOWN, RI	07/19/10 13:33
L1010855-07	FIELD BLANK	SOUTH KINGSTOWN, RI	07/19/10 13:45
L1010855-08	TRIP BLANK	SOUTH KINGSTOWN, RI	07/19/10 00:00
L1010855-09	SW12	SOUTH KINGSTOWN, RI	07/19/10 09:46

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010855
Project Number: JI-1747 **Report Date:** 07/26/10

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. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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.

For additional information, please contact Client Services at 800-624-9220.

Volatile Organics

The WG424112-1/-2 LCS/LCSD recoveries, associated with L1010855-01 through -05 and -08, are above the individual acceptance criteria for Chloromethane (LCSD at 145%), Bromomethane (133%/153%) and Dichlorodifluoromethane (LCSD at 143%), but within the overall method allowances. The associated samples were non-detect for these target analytes.

The WG424112-2 LCSD recoveries, associated with L1010855-01 through -05 and -08, are below the individual acceptance criteria for Naphthalene (64%) and 1,2,3-Trichlorobenzene (65%), but within the overall method allowances. The results of the associated samples are reported.

The WG424156-1/-2 LCS recoveries, associated with L1010855-07, are above the individual acceptance criteria for Dichlorodifluoromethane (266%/272%), but within the overall method allowances. The associated sample was non-detect for this target analyte.

The WG424112-4/-5 MS/MSD recoveries, performed on L1010855-01, were outside the acceptance criteria

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010855
Project Number: JI-1747 **Report Date:** 07/26/10

Case Narrative (continued)

for Chloromethane (MS at 131%), Vinyl chloride (MS at 137%), Dichlorodifluoromethane (MS at 138%), Tetrahydrofuran (133%/131%), Hexachlorobutadiene (MSD at 68%), Isopropylbenzene (MSD at 66%), Naphthalene (MSD at 68%) and 1,2,3-Trichlorobenzene (67%/66%).
The WG424112-4/-5 MS/MSD RPD, performed on L1010855-01, is above the acceptance criteria for Chloroethane (28%).

Semivolatile Organics
N,N-Dimethylformamide was not detected as a TIC in any sample.
The WG423908-2 LCS recovery, associated with L1010855-01 through -07, is outside the acceptance criteria for 1,4-Dichlorobenzene (35%); however, the associated MS/MSD recoveries are within criteria. No further action was required.
The WG423908-4/-5 MS/MSD recoveries, performed on L1010855-01, are outside the acceptance criteria for 4-Nitrophenol (85%/85%).

Total Metals
The WG423559-3/-4 MS/MSD recoveries for Iron (620%/740%) and Manganese (139%/165%), performed on L1010855-01, are invalid because the sample concentration is greater than four times the spike amount added.

Dissolved Metals
The WG423773-4 MS recoveries, performed on L1010855-09, are above the acceptance criteria for Cadmium (128%), Iron (124%) and Nickel (121%). A post digestion spike was performed with an acceptable recoveries of Cadmium (103%), Iron (93%) and Nickel (95%).

Phosphorus, Total
The WG423529-4 Laboratory Duplicate RPD (31%), performed on L1010855-09, 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: 07/26/10

ORGANICS

VOLATILES

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1010855
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010855-01
Client ID: MW11S
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 07/22/10 11:48
Analyst: PD

Date Collected: 07/19/10 08:25
Date Received: 07/19/10
Field Prep: Not Specified

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	1.4		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	1.2		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	11		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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

SAMPLE RESULTS

Lab ID: L1010855-01 Date Collected: 07/19/10 08:25

Client ID: MW11S Date Received: 07/19/10

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
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	10	--	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	1.8		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	3.1		ug/l	2.5	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-01	Date Collected:	07/19/10 08:25
Client ID:	MW11S	Date Received:	07/19/10
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	108		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	98		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-02	Date Collected:	07/19/10 09:08
Client ID:	MW11DO	Date Received:	07/19/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/22/10 12:21		
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	0.58		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	0.74		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	5.4		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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

SAMPLE RESULTS

Lab ID: L1010855-02 Date Collected: 07/19/10 09:08

Client ID: MW11DO Date Received: 07/19/10

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
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	10	--	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:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-02	Date Collected:	07/19/10 09:08
Client ID:	MW11DO	Date Received:	07/19/10
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	107		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	95		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-03	Date Collected:	07/19/10 09:42
Client ID:	MW11BR	Date Received:	07/19/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/22/10 12:55		
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	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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

SAMPLE RESULTS

Lab ID: L1010855-03 Date Collected: 07/19/10 09:42

Client ID: MW11BR Date Received: 07/19/10

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
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	10	--	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:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-03	Date Collected:	07/19/10 09:42
Client ID:	MW11BR	Date Received:	07/19/10
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	110		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	91		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-04	Date Collected:	07/19/10 11:20
Client ID:	MW6DO	Date Received:	07/19/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/22/10 13:28		
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	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	0.73		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	0.98		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	7.8		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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

SAMPLE RESULTS

Lab ID: L1010855-04 Date Collected: 07/19/10 11:20

Client ID: MW6DO Date Received: 07/19/10

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
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	10	--	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:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-04	Date Collected:	07/19/10 11:20
Client ID:	MW6DO	Date Received:	07/19/10
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	107		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	96		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-05	Date Collected:	07/19/10 11:20
Client ID:	DUP (MW6DO)	Date Received:	07/19/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/22/10 14:01		
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	1.5		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	0.75		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	0.99		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	7.2		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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

SAMPLE RESULTS

Lab ID: L1010855-05 Date Collected: 07/19/10 11:20

Client ID: DUP (MW6DO) Date Received: 07/19/10

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
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	10	--	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:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-05	Date Collected:	07/19/10 11:20
Client ID:	DUP (MW6DO)	Date Received:	07/19/10
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	109		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	99		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-07	Date Collected:	07/19/10 13:45
Client ID:	FIELD BLANK	Date Received:	07/19/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/23/10 10:11		
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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

SAMPLE RESULTS

Lab ID: L1010855-07 Date Collected: 07/19/10 13:45

Client ID: FIELD BLANK Date Received: 07/19/10

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
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	10	--	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:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-07	Date Collected:	07/19/10 13:45
Client ID:	FIELD BLANK	Date Received:	07/19/10
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	105		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	95		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-08	Date Collected:	07/19/10 00:00
Client ID:	TRIP BLANK	Date Received:	07/19/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/22/10 15:09		
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	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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

SAMPLE RESULTS

Lab ID: L1010855-08 Date Collected: 07/19/10 00:00

Client ID: TRIP BLANK Date Received: 07/19/10

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
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	10	--	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:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-08	Date Collected:	07/19/10 00:00
Client ID:	TRIP BLANK	Date Received:	07/19/10
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	112		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	91		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 07/22/10 11:14
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05,08 Batch: WG424112-3					
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:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 07/22/10 11:14
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05,08 Batch: WG424112-3					
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	10	--
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:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 07/22/10 11:14
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05,08 Batch: WG424112-3					
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	106		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	88		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 07/23/10 09:36
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG424156-3					
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:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 07/23/10 09:36
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG424156-3					
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	10	--
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:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 07/23/10 09:36
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG424156-3					
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	98		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	92		70-130

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1010855
Report Date: 07/26/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,08 Batch: WG424112-1 WG424112-2								
Methylene chloride	93		102		70-130	9		20
1,1-Dichloroethane	94		101		70-130	7		20
Chloroform	89		96		70-130	8		20
Carbon tetrachloride	81		81		70-130	0		20
1,2-Dichloropropane	90		98		70-130	9		20
Dibromochloromethane	79		76		70-130	4		20
1,1,2-Trichloroethane	90		88		70-130	2		20
Tetrachloroethene	78		82		70-130	5		20
Chlorobenzene	82		87		75-130	6		20
Trichlorofluoromethane	97		105		70-130	8		20
1,2-Dichloroethane	90		93		70-130	3		20
1,1,1-Trichloroethane	92		94		70-130	2		20
Bromodichloromethane	93		95		70-130	2		20
trans-1,3-Dichloropropene	86		83		70-130	4		20
cis-1,3-Dichloropropene	79		83		70-130	5		20
1,1-Dichloropropene	84		90		70-130	7		20
Bromoform	80		76		70-130	5		20
1,1,2,2-Tetrachloroethane	94		92		70-130	2		20
Benzene	90		96		76-127	6		20
Toluene	83		87		76-125	5		20
Ethylbenzene	87		90		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1010855
Report Date: 07/26/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,08 Batch: WG424112-1 WG424112-2								
Chloromethane	130		**145**	Q	70-130	11		20
Bromomethane	**133**	Q	**153**	Q	70-130	14		20
Vinyl chloride	110		120		70-130	9		20
Chloroethane	98		114		70-130	15		20
1,1-Dichloroethene	89		101		61-145	13		20
trans-1,2-Dichloroethene	86		94		70-130	9		20
Trichloroethene	80		87		71-120	8		20
1,2-Dichlorobenzene	82		85		70-130	4		20
1,3-Dichlorobenzene	83		88		70-130	6		20
1,4-Dichlorobenzene	84		87		70-130	4		20
Methyl tert butyl ether	90		91		70-130	1		20
p/m-Xylene	85		88		70-130	3		20
o-Xylene	93		96		70-130	3		20
cis-1,2-Dichloroethene	86		92		70-130	7		20
Dibromomethane	87		91		70-130	4		20
1,2,3-Trichloropropane	104		101		70-130	3		20
Styrene	95		98		70-130	3		20
Dichlorodifluoromethane	119		**143**	Q	70-130	18		20
Acetone	107		112		70-130	5		20
Carbon disulfide	80		88		70-130	10		20
2-Butanone	107		105		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1010855
Report Date: 07/26/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,08 Batch: WG424112-1 WG424112-2								
4-Methyl-2-pentanone	100		96		70-130	4		20
2-Hexanone	106		97		70-130	9		20
Bromochloromethane	86		90		70-130	5		20
Tetrahydrofuran	105		102		70-130	3		20
2,2-Dichloropropane	100		103		70-130	3		20
1,2-Dibromoethane	81		82		70-130	1		20
1,3-Dichloropropane	91		90		70-130	1		20
1,1,1,2-Tetrachloroethane	79		80		70-130	1		20
Bromobenzene	86		88		70-130	2		20
n-Butylbenzene	86		93		70-130	8		20
sec-Butylbenzene	88		94		70-130	7		20
tert-Butylbenzene	93		98		70-130	5		20
o-Chlorotoluene	86		87		70-130	1		20
p-Chlorotoluene	91		90		70-130	1		20
1,2-Dibromo-3-chloropropane	88		80		70-130	10		20
Hexachlorobutadiene	79		79		70-130	0		20
Isopropylbenzene	84		88		70-130	5		20
p-Isopropyltoluene	94		100		70-130	6		20
Naphthalene	74		**64**	Q	70-130	14		20
n-Propylbenzene	91		96		70-130	5		20
1,2,3-Trichlorobenzene	72		**65**	Q	70-130	10		20

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1010855
Report Date: 07/26/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,08 Batch: WG424112-1 WG424112-2								
1,2,4-Trichlorobenzene	94		91		70-130	3		20
1,3,5-Trimethylbenzene	81		81		70-130	0		20
1,2,4-Trimethylbenzene	83		87		70-130	5		20
Ethyl ether	104		109		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		103		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	103		102		70-130
Dibromofluoromethane	93		94		70-130

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1010855
Report Date: 07/26/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG424156-1 WG424156-2								
Methylene chloride	102		100		70-130	2		20
1,1-Dichloroethane	102		100		70-130	2		20
Chloroform	102		101		70-130	1		20
Carbon tetrachloride	88		90		70-130	2		20
1,2-Dichloropropane	96		95		70-130	1		20
Dibromochloromethane	90		90		70-130	0		20
1,1,2-Trichloroethane	91		88		70-130	3		20
Tetrachloroethene	98		96		70-130	2		20
Chlorobenzene	92		89		75-130	3		20
Trichlorofluoromethane	107		105		70-130	2		20
1,2-Dichloroethane	99		96		70-130	3		20
1,1,1-Trichloroethane	90		91		70-130	1		20
Bromodichloromethane	92		93		70-130	1		20
trans-1,3-Dichloropropene	83		84		70-130	1		20
cis-1,3-Dichloropropene	80		81		70-130	1		20
1,1-Dichloropropene	100		96		70-130	4		20
Bromoform	91		93		70-130	2		20
1,1,2,2-Tetrachloroethane	102		100		70-130	2		20
Benzene	101		98		76-127	3		20
Toluene	98		93		76-125	5		20
Ethylbenzene	99		94		70-130	5		20

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1010855
Report Date: 07/26/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG424156-1 WG424156-2								
Chloromethane	130		127		70-130	2		20
Bromomethane	77		82		70-130	6		20
Vinyl chloride	94		87		70-130	8		20
Chloroethane	91		84		70-130	8		20
1,1-Dichloroethene	104		103		61-145	1		20
trans-1,2-Dichloroethene	98		93		70-130	5		20
Trichloroethene	94		89		71-120	5		20
1,2-Dichlorobenzene	92		89		70-130	3		20
1,3-Dichlorobenzene	94		90		70-130	4		20
1,4-Dichlorobenzene	92		90		70-130	2		20
Methyl tert butyl ether	83		88		70-130	6		20
p/m-Xylene	90		88		70-130	2		20
o-Xylene	95		92		70-130	3		20
cis-1,2-Dichloroethene	99		99		70-130	0		20
Dibromomethane	92		95		70-130	3		20
1,2,3-Trichloropropane	109		110		70-130	1		20
Styrene	93		92		70-130	1		20
Dichlorodifluoromethane	**266**	Q	**272**	Q	70-130	2		20
Acetone	88		92		70-130	4		20
Carbon disulfide	81		76		70-130	6		20
2-Butanone	91		89		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1010855
Report Date: 07/26/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG424156-1 WG424156-2								
4-Methyl-2-pentanone	85		86		70-130	1		20
2-Hexanone	88		89		70-130	1		20
Bromochloromethane	97		95		70-130	2		20
Tetrahydrofuran	84		84		70-130	0		20
2,2-Dichloropropane	92		98		70-130	6		20
1,2-Dibromoethane	90		90		70-130	0		20
1,3-Dichloropropane	100		98		70-130	2		20
1,1,1,2-Tetrachloroethane	90		92		70-130	2		20
Bromobenzene	100		95		70-130	5		20
n-Butylbenzene	93		82		70-130	13		20
sec-Butylbenzene	103		94		70-130	9		20
tert-Butylbenzene	99		91		70-130	8		20
o-Chlorotoluene	100		94		70-130	6		20
p-Chlorotoluene	105		100		70-130	5		20
1,2-Dibromo-3-chloropropane	81		83		70-130	2		20
Hexachlorobutadiene	99		92		70-130	7		20
Isopropylbenzene	99		93		70-130	6		20
p-Isopropyltoluene	102		93		70-130	9		20
Naphthalene	85		77		70-130	10		20
n-Propylbenzene	104		97		70-130	7		20
1,2,3-Trichlorobenzene	103		95		70-130	8		20

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1010855
Report Date: 07/26/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG424156-1 WG424156-2								
1,2,4-Trichlorobenzene	98		87		70-130	12		20
1,3,5-Trimethylbenzene	95		89		70-130	7		20
1,2,4-Trimethylbenzene	90		82		70-130	9		20
Ethyl ether	93		91		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		96		70-130
Toluene-d8	103		100		70-130
4-Bromofluorobenzene	104		104		70-130
Dibromofluoromethane	95		99		70-130

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1010855
Report Date: 07/26/10

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,08 QC Batch ID: WG424112-4 WG424112-5 QC Sample: L1010855-01
Client ID: MW11S

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	9.6	96		8.2	82		70-130	16		20
1,1-Dichloroethane	1.4	10	12	102		9.9	85		70-130	18		20
Chloroform	ND	10	9.7	97		8.7	87		70-130	11		20
Carbon tetrachloride	ND	10	9.2	92		8.2	82		70-130	11		20
1,2-Dichloropropane	ND	10	9.7	97		8.9	89		70-130	9		20
Dibromochloromethane	ND	10	8.4	84		7.9	79		70-130	6		20
1,1,2-Trichloroethane	ND	10	9.4	94		8.5	85		70-130	10		20
Tetrachloroethene	ND	10	8.2	82		7.5	75		70-130	9		20
Chlorobenzene	1.4	10	10	89		9.1	77		75-130	14		20
Trichlorofluoromethane	ND	10	12	118		10	105		70-130	12		20
1,2-Dichloroethane	ND	10	9.8	98		8.9	89		70-130	10		20
1,1,1-Trichloroethane	ND	10	9.9	99		9.2	92		70-130	7		20
Bromodichloromethane	ND	10	10	100		9.2	92		70-130	8		20
trans-1,3-Dichloropropene	ND	10	8.6	86		8.3	83		70-130	4		20
cis-1,3-Dichloropropene	ND	10	8.0	80		7.6	76		70-130	5		20
1,1-Dichloropropene	ND	10	9.4	94		8.5	85		70-130	10		20
Bromoform	ND	10	8.6	86		8.3	83		70-130	4		20
1,1,2,2-Tetrachloroethane	ND	10	9.9	99		9.5	95		70-130	4		20
Benzene	1.2	10	11	101		10	89		76-127	13		20
Toluene	ND	10	8.8	88		7.9	80		76-125	10		20
Ethylbenzene	ND	10	9.3	93		8.3	83		70-130	11		20

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1010855
Report Date: 07/26/10

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,08 QC Batch ID: WG424112-4 WG424112-5 QC Sample: L1010855-01
Client ID: MW11S

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Chloromethane	ND	10	13	**131**	Q	12	118		70-130	10		20
Bromomethane	ND	10	13	127		11	111		70-130	13		20
Vinyl chloride	ND	10	14	**137**	Q	12	117		70-130	16		20
Chloroethane	11	10	21	99		18	75		70-130	**28**	Q	20
1,1-Dichloroethene	ND	10	10	101		9.4	94		61-145	7		20
trans-1,2-Dichloroethene	ND	10	9.4	94		7.9	79		70-130	17		20
Trichloroethene	ND	10	8.4	84		7.6	76		71-120	10		20
1,2-Dichlorobenzene	ND	10	8.5	85		8.0	80		70-130	6		20
1,3-Dichlorobenzene	ND	10	8.3	83		7.8	78		70-130	6		20
1,4-Dichlorobenzene	ND	10	9.1	91		8.4	84		70-130	8		20
Methyl tert butyl ether	ND	10	8.4	84		7.8	78		70-130	7		20
p/m-Xylene	ND	20	18	90		16	82		70-130	9		20
o-Xylene	ND	20	18	92		17	84		70-130	9		20
cis-1,2-Dichloroethene	ND	10	9.3	93		8.3	83		70-130	11		20
Dibromomethane	ND	10	9.1	91		8.6	86		70-130	6		20
1,2,3-Trichloropropane	ND	10	10	103		9.9	99		70-130	4		20
Styrene	ND	20	18	92		17	84		70-130	9		20
Dichlorodifluoromethane	ND	10	14	**138**	Q	12	126		70-130	9		20
Acetone	ND	10	10	104		9.6	96		70-130	8		20
Carbon disulfide	ND	10	8.9	89		7.4	74		70-130	18		20
2-Butanone	ND	10	10	101		9.6	96		70-130	5		20

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1010855
Report Date: 07/26/10

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,08 QC Batch ID: WG424112-4 WG424112-5 QC Sample: L1010855-01
Client ID: MW11S

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
4-Methyl-2-pentanone	ND	10	8.2	82		8.4	84		70-130	2		20
2-Hexanone	ND	10	9.6	96		9.4	94		70-130	2		20
Bromochloromethane	ND	10	8.7	87		8.2	82		70-130	6		20
Tetrahydrofuran	ND	10	13	**133**	Q	13	**131**	Q	70-130	2		20
2,2-Dichloropropane	ND	10	9.7	97		9.3	93		70-130	4		20
1,2-Dibromoethane	ND	10	8.2	82		7.9	79		70-130	4		20
1,3-Dichloropropane	ND	10	9.5	95		8.7	87		70-130	9		20
1,1,1,2-Tetrachloroethane	ND	10	8.5	85		7.8	78		70-130	9		20
Bromobenzene	ND	10	8.5	85		7.9	79		70-130	7		20
n-Butylbenzene	ND	10	8.7	87		8.0	81		70-130	7		20
sec-Butylbenzene	ND	10	9.0	90		8.3	83		70-130	8		20
tert-Butylbenzene	ND	10	9.4	94		9.0	90		70-130	4		20
o-Chlorotoluene	ND	10	8.7	87		8.0	80		70-130	8		20
p-Chlorotoluene	ND	10	9.1	91		8.4	84		70-130	8		20
1,2-Dibromo-3-chloropropane	ND	10	9.1	91		9.1	91		70-130	0		20
Hexachlorobutadiene	ND	10	7.2	72		6.8	**68**	Q	70-130	6		20
Isopropylbenzene	1.8	10	9.3	74		8.4	**66**	Q	70-130	11		20
p-Isopropyltoluene	ND	10	9.5	95		8.9	89		70-130	7		20
Naphthalene	ND	10	7.0	70		6.8	**68**	Q	70-130	3		20
n-Propylbenzene	ND	10	9.4	94		8.6	86		70-130	9		20
1,2,3-Trichlorobenzene	ND	10	6.7	**67**	Q	6.6	**66**	Q	70-130	2		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1010855
Report Date: 07/26/10

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): 01-05,08 QC Batch ID: WG424112-4 WG424112-5 QC Sample: L1010855-01 Client ID: MW11S												
1,2,4-Trichlorobenzene	ND	10	9.1	91		8.8	88		70-130	3		20
1,3,5-Trimethylbenzene	ND	10	8.2	82		7.6	76		70-130	8		20
1,2,4-Trimethylbenzene	ND	10	8.4	84		7.6	76		70-130	10		20
Ethyl ether	3.1	10	14	107		12	95		70-130	12		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		106		70-130
4-Bromofluorobenzene	100		102		70-130
Dibromofluoromethane	103		104		70-130
Toluene-d8	101		102		70-130

SEMIVOLATILES

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1010855
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-01	Date Collected:	07/19/10 08:25
Client ID:	MW11S	Date Received:	07/19/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/22/10 09:35
Analytical Date:	07/23/10 15:03		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	4.8	--	1
Benzidine	ND		ug/l	48	--	1
1,2,4-Trichlorobenzene	ND		ug/l	4.8	--	1
Bis(2-chloroethyl)ether	ND		ug/l	4.8	--	1
2-Chloronaphthalene	ND		ug/l	5.8	--	1
1,2-Dichlorobenzene	ND		ug/l	4.8	--	1
1,3-Dichlorobenzene	ND		ug/l	4.8	--	1
1,4-Dichlorobenzene	ND		ug/l	4.8	--	1
3,3'-Dichlorobenzidine	ND		ug/l	48	--	1
2,4-Dinitrotoluene	ND		ug/l	5.8	--	1
2,6-Dinitrotoluene	ND		ug/l	4.8	--	1
Azobenzene	ND		ug/l	4.8	--	1
Fluoranthene	ND		ug/l	4.8	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	4.8	--	1
4-Bromophenyl phenyl ether	ND		ug/l	4.8	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	4.8	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	4.8	--	1
Hexachlorocyclopentadiene	ND		ug/l	29	--	1
Hexachloroethane	ND		ug/l	4.8	--	1
Isophorone	ND		ug/l	4.8	--	1
Naphthalene	ND		ug/l	4.8	--	1
Nitrobenzene	ND		ug/l	4.8	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	14	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	4.8	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	4.8	--	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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-01	Date Collected:	07/19/10 08:25
Client ID:	MW11S	Date Received:	07/19/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/l	4.8	--	1
Acenaphthylene	ND		ug/l	4.8	--	1
Anthracene	ND		ug/l	4.8	--	1
Benzo(ghi)perylene	ND		ug/l	4.8	--	1
Fluorene	ND		ug/l	4.8	--	1
Phenanthrene	ND		ug/l	4.8	--	1
Dibenzo(a,h)anthracene	ND		ug/l	4.8	--	1
Pyrene	ND		ug/l	4.8	--	1
Aniline	ND		ug/l	19	--	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	6.8	--	1
Dibenzofuran	ND		ug/l	4.8	--	1
2-Methylnaphthalene	ND		ug/l	4.8	--	1
n-Nitrosodimethylamine	ND		ug/l	48	--	1
2,4,6-Trichlorophenol	ND		ug/l	4.8	--	1
P-Chloro-M-Cresol	ND		ug/l	4.8	--	1
2-Chlorophenol	ND		ug/l	5.8	--	1
2,4-Dichlorophenol	ND		ug/l	9.7	--	1
2,4-Dimethylphenol	ND		ug/l	9.7	--	1
2-Nitrophenol	ND		ug/l	19	--	1
4-Nitrophenol	ND		ug/l	9.7	--	1
2,4-Dinitrophenol	ND		ug/l	29	--	1
4,6-Dinitro-o-cresol	ND		ug/l	19	--	1
Phenol	ND		ug/l	6.8	--	1
2-Methylphenol	ND		ug/l	5.8	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.8	--	1
2,4,5-Trichlorophenol	ND		ug/l	4.8	--	1
Benzyl Alcohol	ND		ug/l	9.7	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	31		21-120
Phenol-d6	20		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	55		15-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-01	Date Collected:	07/19/10 08:25
Client ID:	MW11S	Date Received:	07/19/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Tribromophenol	79		10-120			
4-Terphenyl-d14	81		33-120			

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1010855
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-01	Date Collected:	07/19/10 08:25
Client ID:	MW11S	Date Received:	07/19/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/22/10 09:58
Analytical Date:	07/23/10 22:42		
Analyst:	HL		

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	0.78	--	1
Hexachlorobenzene	ND		ug/l	0.78	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	32		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	92		10-120
4-Terphenyl-d14	99		33-120

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1010855
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-02	Date Collected:	07/19/10 09:08
Client ID:	MW11DO	Date Received:	07/19/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/22/10 09:35
Analytical Date:	07/23/10 15:27		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	4.9	--	1
Benzidine	ND		ug/l	49	--	1
1,2,4-Trichlorobenzene	ND		ug/l	4.9	--	1
Bis(2-chloroethyl)ether	ND		ug/l	4.9	--	1
2-Chloronaphthalene	ND		ug/l	5.9	--	1
1,2-Dichlorobenzene	ND		ug/l	4.9	--	1
1,3-Dichlorobenzene	ND		ug/l	4.9	--	1
1,4-Dichlorobenzene	ND		ug/l	4.9	--	1
3,3'-Dichlorobenzidine	ND		ug/l	49	--	1
2,4-Dinitrotoluene	ND		ug/l	5.9	--	1
2,6-Dinitrotoluene	ND		ug/l	4.9	--	1
Azobenzene	ND		ug/l	4.9	--	1
Fluoranthene	ND		ug/l	4.9	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	4.9	--	1
4-Bromophenyl phenyl ether	ND		ug/l	4.9	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	4.9	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	4.9	--	1
Hexachlorocyclopentadiene	ND		ug/l	29	--	1
Hexachloroethane	ND		ug/l	4.9	--	1
Isophorone	ND		ug/l	4.9	--	1
Naphthalene	ND		ug/l	4.9	--	1
Nitrobenzene	ND		ug/l	4.9	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	4.9	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	4.9	--	1
Butyl benzyl phthalate	ND		ug/l	4.9	--	1
Di-n-butylphthalate	ND		ug/l	4.9	--	1
Di-n-octylphthalate	ND		ug/l	4.9	--	1
Diethyl phthalate	ND		ug/l	4.9	--	1
Dimethyl phthalate	ND		ug/l	4.9	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-02	Date Collected:	07/19/10 09:08
Client ID:	MW11DO	Date Received:	07/19/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/l	4.9	--	1
Acenaphthylene	ND		ug/l	4.9	--	1
Anthracene	ND		ug/l	4.9	--	1
Benzo(ghi)perylene	ND		ug/l	4.9	--	1
Fluorene	ND		ug/l	4.9	--	1
Phenanthrene	ND		ug/l	4.9	--	1
Dibenzo(a,h)anthracene	ND		ug/l	4.9	--	1
Pyrene	ND		ug/l	4.9	--	1
Aniline	ND		ug/l	20	--	1
4-Chloroaniline	ND		ug/l	4.9	--	1
2-Nitroaniline	ND		ug/l	4.9	--	1
3-Nitroaniline	ND		ug/l	4.9	--	1
4-Nitroaniline	ND		ug/l	6.8	--	1
Dibenzofuran	ND		ug/l	4.9	--	1
2-Methylnaphthalene	ND		ug/l	4.9	--	1
n-Nitrosodimethylamine	ND		ug/l	49	--	1
2,4,6-Trichlorophenol	ND		ug/l	4.9	--	1
P-Chloro-M-Cresol	ND		ug/l	4.9	--	1
2-Chlorophenol	ND		ug/l	5.9	--	1
2,4-Dichlorophenol	ND		ug/l	9.8	--	1
2,4-Dimethylphenol	ND		ug/l	9.8	--	1
2-Nitrophenol	ND		ug/l	20	--	1
4-Nitrophenol	ND		ug/l	9.8	--	1
2,4-Dinitrophenol	ND		ug/l	29	--	1
4,6-Dinitro-o-cresol	ND		ug/l	20	--	1
Phenol	ND		ug/l	6.8	--	1
2-Methylphenol	ND		ug/l	5.9	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.9	--	1
2,4,5-Trichlorophenol	ND		ug/l	4.9	--	1
Benzyl Alcohol	ND		ug/l	9.8	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	26		21-120
Phenol-d6	17		10-120
Nitrobenzene-d5	45		23-120
2-Fluorobiphenyl	52		15-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-02	Date Collected:	07/19/10 09:08
Client ID:	MW11DO	Date Received:	07/19/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Tribromophenol	81		10-120			
4-Terphenyl-d14	79		33-120			

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1010855
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-02	Date Collected:	07/19/10 09:08
Client ID:	MW11DO	Date Received:	07/19/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/22/10 09:58
Analytical Date:	07/23/10 23:11		
Analyst:	HL		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.49	--	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	0.78	--	1
Hexachlorobenzene	ND		ug/l	0.78	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	24		21-120
Phenol-d6	17		10-120
Nitrobenzene-d5	46		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	98		33-120

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

Lab Number: L1010855
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-03	Date Collected:	07/19/10 09:42
Client ID:	MW11BR	Date Received:	07/19/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/22/10 09:35
Analytical Date:	07/23/10 15:51		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	4.9	--	1
Benzidine	ND		ug/l	49	--	1
1,2,4-Trichlorobenzene	ND		ug/l	4.9	--	1
Bis(2-chloroethyl)ether	ND		ug/l	4.9	--	1
2-Chloronaphthalene	ND		ug/l	5.9	--	1
1,2-Dichlorobenzene	ND		ug/l	4.9	--	1
1,3-Dichlorobenzene	ND		ug/l	4.9	--	1
1,4-Dichlorobenzene	ND		ug/l	4.9	--	1
3,3'-Dichlorobenzidine	ND		ug/l	49	--	1
2,4-Dinitrotoluene	ND		ug/l	5.9	--	1
2,6-Dinitrotoluene	ND		ug/l	4.9	--	1
Azobenzene	ND		ug/l	4.9	--	1
Fluoranthene	ND		ug/l	4.9	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	4.9	--	1
4-Bromophenyl phenyl ether	ND		ug/l	4.9	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	4.9	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	4.9	--	1
Hexachlorocyclopentadiene	ND		ug/l	29	--	1
Hexachloroethane	ND		ug/l	4.9	--	1
Isophorone	ND		ug/l	4.9	--	1
Naphthalene	ND		ug/l	4.9	--	1
Nitrobenzene	ND		ug/l	4.9	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	4.9	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	4.9	--	1
Butyl benzyl phthalate	ND		ug/l	4.9	--	1
Di-n-butylphthalate	ND		ug/l	4.9	--	1
Di-n-octylphthalate	ND		ug/l	4.9	--	1
Diethyl phthalate	ND		ug/l	4.9	--	1
Dimethyl phthalate	ND		ug/l	4.9	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

SAMPLE RESULTS

Lab ID: L1010855-03 Date Collected: 07/19/10 09:42

Client ID: MW11BR Date Received: 07/19/10

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/l	4.9	--	1
Acenaphthylene	ND		ug/l	4.9	--	1
Anthracene	ND		ug/l	4.9	--	1
Benzo(ghi)perylene	ND		ug/l	4.9	--	1
Fluorene	ND		ug/l	4.9	--	1
Phenanthrene	ND		ug/l	4.9	--	1
Dibenzo(a,h)anthracene	ND		ug/l	4.9	--	1
Pyrene	ND		ug/l	4.9	--	1
Aniline	ND		ug/l	20	--	1
4-Chloroaniline	ND		ug/l	4.9	--	1
2-Nitroaniline	ND		ug/l	4.9	--	1
3-Nitroaniline	ND		ug/l	4.9	--	1
4-Nitroaniline	ND		ug/l	6.8	--	1
Dibenzofuran	ND		ug/l	4.9	--	1
2-Methylnaphthalene	ND		ug/l	4.9	--	1
n-Nitrosodimethylamine	ND		ug/l	49	--	1
2,4,6-Trichlorophenol	ND		ug/l	4.9	--	1
P-Chloro-M-Cresol	ND		ug/l	4.9	--	1
2-Chlorophenol	ND		ug/l	5.9	--	1
2,4-Dichlorophenol	ND		ug/l	9.8	--	1
2,4-Dimethylphenol	ND		ug/l	9.8	--	1
2-Nitrophenol	ND		ug/l	20	--	1
4-Nitrophenol	ND		ug/l	9.8	--	1
2,4-Dinitrophenol	ND		ug/l	29	--	1
4,6-Dinitro-o-cresol	ND		ug/l	20	--	1
Phenol	ND		ug/l	6.8	--	1
2-Methylphenol	ND		ug/l	5.9	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.9	--	1
2,4,5-Trichlorophenol	ND		ug/l	4.9	--	1
Benzyl Alcohol	ND		ug/l	9.8	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	29		21-120
Phenol-d6	19		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	50		15-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-03	Date Collected:	07/19/10 09:42
Client ID:	MW11BR	Date Received:	07/19/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Tribromophenol	75		10-120			
4-Terphenyl-d14	83		33-120			

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1010855
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-03	Date Collected:	07/19/10 09:42
Client ID:	MW11BR	Date Received:	07/19/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/22/10 09:58
Analytical Date:	07/23/10 23:40		
Analyst:	HL		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.49	--	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	0.78	--	1
Hexachlorobenzene	ND		ug/l	0.78	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	29		21-120
Phenol-d6	17		10-120
Nitrobenzene-d5	49		23-120
2-Fluorobiphenyl	55		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	103		33-120

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

Lab Number: L1010855
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-04	Date Collected:	07/19/10 11:20
Client ID:	MW6DO	Date Received:	07/19/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/22/10 09:35
Analytical Date:	07/23/10 16:15		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	4.9	--	1
Benzidine	ND		ug/l	49	--	1
1,2,4-Trichlorobenzene	ND		ug/l	4.9	--	1
Bis(2-chloroethyl)ether	ND		ug/l	4.9	--	1
2-Chloronaphthalene	ND		ug/l	5.9	--	1
1,2-Dichlorobenzene	ND		ug/l	4.9	--	1
1,3-Dichlorobenzene	ND		ug/l	4.9	--	1
1,4-Dichlorobenzene	ND		ug/l	4.9	--	1
3,3'-Dichlorobenzidine	ND		ug/l	49	--	1
2,4-Dinitrotoluene	ND		ug/l	5.9	--	1
2,6-Dinitrotoluene	ND		ug/l	4.9	--	1
Azobenzene	ND		ug/l	4.9	--	1
Fluoranthene	ND		ug/l	4.9	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	4.9	--	1
4-Bromophenyl phenyl ether	ND		ug/l	4.9	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	4.9	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	4.9	--	1
Hexachlorocyclopentadiene	ND		ug/l	30	--	1
Hexachloroethane	ND		ug/l	4.9	--	1
Isophorone	ND		ug/l	4.9	--	1
Naphthalene	ND		ug/l	4.9	--	1
Nitrobenzene	ND		ug/l	4.9	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	4.9	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	4.9	--	1
Butyl benzyl phthalate	ND		ug/l	4.9	--	1
Di-n-butylphthalate	ND		ug/l	4.9	--	1
Di-n-octylphthalate	ND		ug/l	4.9	--	1
Diethyl phthalate	ND		ug/l	4.9	--	1
Dimethyl phthalate	ND		ug/l	4.9	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-04	Date Collected:	07/19/10 11:20
Client ID:	MW6DO	Date Received:	07/19/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/l	4.9	--	1
Acenaphthylene	ND		ug/l	4.9	--	1
Anthracene	ND		ug/l	4.9	--	1
Benzo(ghi)perylene	ND		ug/l	4.9	--	1
Fluorene	ND		ug/l	4.9	--	1
Phenanthrene	ND		ug/l	4.9	--	1
Dibenzo(a,h)anthracene	ND		ug/l	4.9	--	1
Pyrene	ND		ug/l	4.9	--	1
Aniline	ND		ug/l	20	--	1
4-Chloroaniline	ND		ug/l	4.9	--	1
2-Nitroaniline	ND		ug/l	4.9	--	1
3-Nitroaniline	ND		ug/l	4.9	--	1
4-Nitroaniline	ND		ug/l	6.9	--	1
Dibenzofuran	ND		ug/l	4.9	--	1
2-Methylnaphthalene	ND		ug/l	4.9	--	1
n-Nitrosodimethylamine	ND		ug/l	49	--	1
2,4,6-Trichlorophenol	ND		ug/l	4.9	--	1
P-Chloro-M-Cresol	ND		ug/l	4.9	--	1
2-Chlorophenol	ND		ug/l	5.9	--	1
2,4-Dichlorophenol	ND		ug/l	9.8	--	1
2,4-Dimethylphenol	ND		ug/l	9.8	--	1
2-Nitrophenol	ND		ug/l	20	--	1
4-Nitrophenol	ND		ug/l	9.8	--	1
2,4-Dinitrophenol	ND		ug/l	30	--	1
4,6-Dinitro-o-cresol	ND		ug/l	20	--	1
Phenol	ND		ug/l	6.9	--	1
2-Methylphenol	ND		ug/l	5.9	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.9	--	1
2,4,5-Trichlorophenol	ND		ug/l	4.9	--	1
Benzyl Alcohol	ND		ug/l	9.8	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		21-120
Phenol-d6	20		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	61		15-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-04	Date Collected:	07/19/10 11:20
Client ID:	MW6DO	Date Received:	07/19/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Tribromophenol	86		10-120			
4-Terphenyl-d14	91		33-120			

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1010855
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-04	Date Collected:	07/19/10 11:20
Client ID:	MW6DO	Date Received:	07/19/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/22/10 09:58
Analytical Date:	07/24/10 00:09		
Analyst:	HL		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.49	--	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	0.79	--	1
Hexachlorobenzene	ND		ug/l	0.79	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		21-120
Phenol-d6	20		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	106		33-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-05	Date Collected:	07/19/10 11:20
Client ID:	DUP (MW6DO)	Date Received:	07/19/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/22/10 09:35
Analytical Date:	07/23/10 16:39		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	4.9	--	1
Benzidine	ND		ug/l	49	--	1
1,2,4-Trichlorobenzene	ND		ug/l	4.9	--	1
Bis(2-chloroethyl)ether	ND		ug/l	4.9	--	1
2-Chloronaphthalene	ND		ug/l	5.9	--	1
1,2-Dichlorobenzene	ND		ug/l	4.9	--	1
1,3-Dichlorobenzene	ND		ug/l	4.9	--	1
1,4-Dichlorobenzene	ND		ug/l	4.9	--	1
3,3'-Dichlorobenzidine	ND		ug/l	49	--	1
2,4-Dinitrotoluene	ND		ug/l	5.9	--	1
2,6-Dinitrotoluene	ND		ug/l	4.9	--	1
Azobenzene	ND		ug/l	4.9	--	1
Fluoranthene	ND		ug/l	4.9	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	4.9	--	1
4-Bromophenyl phenyl ether	ND		ug/l	4.9	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	4.9	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	4.9	--	1
Hexachlorocyclopentadiene	ND		ug/l	30	--	1
Hexachloroethane	ND		ug/l	4.9	--	1
Isophorone	ND		ug/l	4.9	--	1
Naphthalene	ND		ug/l	4.9	--	1
Nitrobenzene	ND		ug/l	4.9	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	4.9	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	4.9	--	1
Butyl benzyl phthalate	ND		ug/l	4.9	--	1
Di-n-butylphthalate	ND		ug/l	4.9	--	1
Di-n-octylphthalate	ND		ug/l	4.9	--	1
Diethyl phthalate	ND		ug/l	4.9	--	1
Dimethyl phthalate	ND		ug/l	4.9	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

SAMPLE RESULTS

Lab ID: L1010855-05 Date Collected: 07/19/10 11:20

Client ID: DUP (MW6DO) Date Received: 07/19/10

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/l	4.9	--	1
Acenaphthylene	ND		ug/l	4.9	--	1
Anthracene	ND		ug/l	4.9	--	1
Benzo(ghi)perylene	ND		ug/l	4.9	--	1
Fluorene	ND		ug/l	4.9	--	1
Phenanthrene	ND		ug/l	4.9	--	1
Dibenzo(a,h)anthracene	ND		ug/l	4.9	--	1
Pyrene	ND		ug/l	4.9	--	1
Aniline	ND		ug/l	20	--	1
4-Chloroaniline	ND		ug/l	4.9	--	1
2-Nitroaniline	ND		ug/l	4.9	--	1
3-Nitroaniline	ND		ug/l	4.9	--	1
4-Nitroaniline	ND		ug/l	6.9	--	1
Dibenzofuran	ND		ug/l	4.9	--	1
2-Methylnaphthalene	ND		ug/l	4.9	--	1
n-Nitrosodimethylamine	ND		ug/l	49	--	1
2,4,6-Trichlorophenol	ND		ug/l	4.9	--	1
P-Chloro-M-Cresol	ND		ug/l	4.9	--	1
2-Chlorophenol	ND		ug/l	5.9	--	1
2,4-Dichlorophenol	ND		ug/l	9.9	--	1
2,4-Dimethylphenol	ND		ug/l	9.9	--	1
2-Nitrophenol	ND		ug/l	20	--	1
4-Nitrophenol	ND		ug/l	9.9	--	1
2,4-Dinitrophenol	ND		ug/l	30	--	1
4,6-Dinitro-o-cresol	ND		ug/l	20	--	1
Phenol	ND		ug/l	6.9	--	1
2-Methylphenol	ND		ug/l	5.9	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.9	--	1
2,4,5-Trichlorophenol	ND		ug/l	4.9	--	1
Benzyl Alcohol	ND		ug/l	9.9	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	27		21-120
Phenol-d6	18		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	58		15-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-05	Date Collected:	07/19/10 11:20
Client ID:	DUP (MW6DO)	Date Received:	07/19/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Tribromophenol	83		10-120			
4-Terphenyl-d14	87		33-120			

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1010855
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-05	Date Collected:	07/19/10 11:20
Client ID:	DUP (MW6DO)	Date Received:	07/19/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/22/10 09:58
Analytical Date:	07/24/10 00:38		
Analyst:	HL		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.49	--	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	0.79	--	1
Hexachlorobenzene	ND		ug/l	0.79	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	32		21-120
Phenol-d6	17		10-120
Nitrobenzene-d5	51		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	102		33-120

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

Lab Number: L1010855
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-06	Date Collected:	07/19/10 13:33
Client ID:	MW5S	Date Received:	07/19/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/22/10 09:35
Analytical Date:	07/23/10 17:03		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	4.9	--	1
Benzidine	ND		ug/l	49	--	1
1,2,4-Trichlorobenzene	ND		ug/l	4.9	--	1
Bis(2-chloroethyl)ether	ND		ug/l	4.9	--	1
2-Chloronaphthalene	ND		ug/l	5.9	--	1
1,2-Dichlorobenzene	ND		ug/l	4.9	--	1
1,3-Dichlorobenzene	ND		ug/l	4.9	--	1
1,4-Dichlorobenzene	ND		ug/l	4.9	--	1
3,3'-Dichlorobenzidine	ND		ug/l	49	--	1
2,4-Dinitrotoluene	ND		ug/l	5.9	--	1
2,6-Dinitrotoluene	ND		ug/l	4.9	--	1
Azobenzene	ND		ug/l	4.9	--	1
Fluoranthene	ND		ug/l	4.9	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	4.9	--	1
4-Bromophenyl phenyl ether	ND		ug/l	4.9	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	4.9	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	4.9	--	1
Hexachlorocyclopentadiene	ND		ug/l	29	--	1
Hexachloroethane	ND		ug/l	4.9	--	1
Isophorone	ND		ug/l	4.9	--	1
Naphthalene	ND		ug/l	4.9	--	1
Nitrobenzene	ND		ug/l	4.9	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	4.9	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	4.9	--	1
Butyl benzyl phthalate	ND		ug/l	4.9	--	1
Di-n-butylphthalate	ND		ug/l	4.9	--	1
Di-n-octylphthalate	ND		ug/l	4.9	--	1
Diethyl phthalate	ND		ug/l	4.9	--	1
Dimethyl phthalate	ND		ug/l	4.9	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-06	Date Collected:	07/19/10 13:33
Client ID:	MW5S	Date Received:	07/19/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/l	4.9	--	1
Acenaphthylene	ND		ug/l	4.9	--	1
Anthracene	ND		ug/l	4.9	--	1
Benzo(ghi)perylene	ND		ug/l	4.9	--	1
Fluorene	ND		ug/l	4.9	--	1
Phenanthrene	ND		ug/l	4.9	--	1
Dibenzo(a,h)anthracene	ND		ug/l	4.9	--	1
Pyrene	ND		ug/l	4.9	--	1
Aniline	ND		ug/l	20	--	1
4-Chloroaniline	ND		ug/l	4.9	--	1
2-Nitroaniline	ND		ug/l	4.9	--	1
3-Nitroaniline	ND		ug/l	4.9	--	1
4-Nitroaniline	ND		ug/l	6.8	--	1
Dibenzofuran	ND		ug/l	4.9	--	1
2-Methylnaphthalene	ND		ug/l	4.9	--	1
n-Nitrosodimethylamine	ND		ug/l	49	--	1
2,4,6-Trichlorophenol	ND		ug/l	4.9	--	1
P-Chloro-M-Cresol	ND		ug/l	4.9	--	1
2-Chlorophenol	ND		ug/l	5.9	--	1
2,4-Dichlorophenol	ND		ug/l	9.8	--	1
2,4-Dimethylphenol	ND		ug/l	9.8	--	1
2-Nitrophenol	ND		ug/l	20	--	1
4-Nitrophenol	ND		ug/l	9.8	--	1
2,4-Dinitrophenol	ND		ug/l	29	--	1
4,6-Dinitro-o-cresol	ND		ug/l	20	--	1
Phenol	ND		ug/l	6.8	--	1
2-Methylphenol	ND		ug/l	5.9	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.9	--	1
2,4,5-Trichlorophenol	ND		ug/l	4.9	--	1
Benzyl Alcohol	ND		ug/l	9.8	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		21-120
Phenol-d6	19		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	60		15-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-06	Date Collected:	07/19/10 13:33
Client ID:	MW5S	Date Received:	07/19/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Tribromophenol	73		10-120			
4-Terphenyl-d14	80		33-120			

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1010855
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-06	Date Collected:	07/19/10 13:33
Client ID:	MW5S	Date Received:	07/19/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/22/10 09:58
Analytical Date:	07/24/10 01:07		
Analyst:	HL		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.49	--	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	0.78	--	1
Hexachlorobenzene	ND		ug/l	0.78	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		21-120
Phenol-d6	19		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	65		10-120
4-Terphenyl-d14	97		33-120

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

Lab Number: L1010855
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-07	Date Collected:	07/19/10 13:45
Client ID:	FIELD BLANK	Date Received:	07/19/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/22/10 09:35
Analytical Date:	07/23/10 17:27		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	4.9	--	1
Benzidine	ND		ug/l	49	--	1
1,2,4-Trichlorobenzene	ND		ug/l	4.9	--	1
Bis(2-chloroethyl)ether	ND		ug/l	4.9	--	1
2-Chloronaphthalene	ND		ug/l	5.9	--	1
1,2-Dichlorobenzene	ND		ug/l	4.9	--	1
1,3-Dichlorobenzene	ND		ug/l	4.9	--	1
1,4-Dichlorobenzene	ND		ug/l	4.9	--	1
3,3'-Dichlorobenzidine	ND		ug/l	49	--	1
2,4-Dinitrotoluene	ND		ug/l	5.9	--	1
2,6-Dinitrotoluene	ND		ug/l	4.9	--	1
Azobenzene	ND		ug/l	4.9	--	1
Fluoranthene	ND		ug/l	4.9	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	4.9	--	1
4-Bromophenyl phenyl ether	ND		ug/l	4.9	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	4.9	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	4.9	--	1
Hexachlorocyclopentadiene	ND		ug/l	29	--	1
Hexachloroethane	ND		ug/l	4.9	--	1
Isophorone	ND		ug/l	4.9	--	1
Naphthalene	ND		ug/l	4.9	--	1
Nitrobenzene	ND		ug/l	4.9	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	4.9	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	4.9	--	1
Butyl benzyl phthalate	ND		ug/l	4.9	--	1
Di-n-butylphthalate	ND		ug/l	4.9	--	1
Di-n-octylphthalate	ND		ug/l	4.9	--	1
Diethyl phthalate	ND		ug/l	4.9	--	1
Dimethyl phthalate	ND		ug/l	4.9	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-07	Date Collected:	07/19/10 13:45
Client ID:	FIELD BLANK	Date Received:	07/19/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/l	4.9	--	1
Acenaphthylene	ND		ug/l	4.9	--	1
Anthracene	ND		ug/l	4.9	--	1
Benzo(ghi)perylene	ND		ug/l	4.9	--	1
Fluorene	ND		ug/l	4.9	--	1
Phenanthrene	ND		ug/l	4.9	--	1
Dibenzo(a,h)anthracene	ND		ug/l	4.9	--	1
Pyrene	ND		ug/l	4.9	--	1
Aniline	ND		ug/l	20	--	1
4-Chloroaniline	ND		ug/l	4.9	--	1
2-Nitroaniline	ND		ug/l	4.9	--	1
3-Nitroaniline	ND		ug/l	4.9	--	1
4-Nitroaniline	ND		ug/l	6.8	--	1
Dibenzofuran	ND		ug/l	4.9	--	1
2-Methylnaphthalene	ND		ug/l	4.9	--	1
n-Nitrosodimethylamine	ND		ug/l	49	--	1
2,4,6-Trichlorophenol	ND		ug/l	4.9	--	1
P-Chloro-M-Cresol	ND		ug/l	4.9	--	1
2-Chlorophenol	ND		ug/l	5.9	--	1
2,4-Dichlorophenol	ND		ug/l	9.8	--	1
2,4-Dimethylphenol	ND		ug/l	9.8	--	1
2-Nitrophenol	ND		ug/l	20	--	1
4-Nitrophenol	ND		ug/l	9.8	--	1
2,4-Dinitrophenol	ND		ug/l	29	--	1
4,6-Dinitro-o-cresol	ND		ug/l	20	--	1
Phenol	ND		ug/l	6.8	--	1
2-Methylphenol	ND		ug/l	5.9	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.9	--	1
2,4,5-Trichlorophenol	ND		ug/l	4.9	--	1
Benzyl Alcohol	ND		ug/l	9.8	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	28		21-120
Phenol-d6	17		10-120
Nitrobenzene-d5	51		23-120
2-Fluorobiphenyl	53		15-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-07	Date Collected:	07/19/10 13:45
Client ID:	FIELD BLANK	Date Received:	07/19/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Tribromophenol	60		10-120			
4-Terphenyl-d14	66		33-120			

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1010855
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-07	Date Collected:	07/19/10 13:45
Client ID:	FIELD BLANK	Date Received:	07/19/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/22/10 09:58
Analytical Date:	07/24/10 01:37		
Analyst:	HL		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.49	--	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	0.78	--	1
Hexachlorobenzene	ND		ug/l	0.78	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		21-120
Phenol-d6	17		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	56		15-120
2,4,6-Tribromophenol	63		10-120
4-Terphenyl-d14	74		33-120

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

Lab Number: L1010855
Report Date: 07/26/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 07/23/10 11:04
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 07/22/10 09:35

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG423908-1					
Acenaphthene	ND		ug/l	5.0	--
Benzidine	ND		ug/l	50	--
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--
Bis(2-chloroethyl)ether	ND		ug/l	5.0	--
2-Chloronaphthalene	ND		ug/l	6.0	--
1,2-Dichlorobenzene	ND		ug/l	5.0	--
1,3-Dichlorobenzene	ND		ug/l	5.0	--
1,4-Dichlorobenzene	ND		ug/l	5.0	--
3,3'-Dichlorobenzidine	ND		ug/l	50	--
2,4-Dinitrotoluene	ND		ug/l	6.0	--
2,6-Dinitrotoluene	ND		ug/l	5.0	--
Azobenzene	ND		ug/l	5.0	--
Fluoranthene	ND		ug/l	5.0	--
4-Chlorophenyl phenyl ether	ND		ug/l	5.0	--
4-Bromophenyl phenyl ether	ND		ug/l	5.0	--
Bis(2-chloroisopropyl)ether	ND		ug/l	5.0	--
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--
Hexachlorocyclopentadiene	ND		ug/l	30	--
Hexachloroethane	ND		ug/l	5.0	--
Isophorone	ND		ug/l	5.0	--
Naphthalene	ND		ug/l	5.0	--
Nitrobenzene	ND		ug/l	5.0	--
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--
Bis(2-Ethylhexyl)phthalate	ND		ug/l	5.0	--
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	5.0	--

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

Lab Number: L1010855
Report Date: 07/26/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 07/23/10 11:04
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 07/22/10 09:35

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG423908-1					
Acenaphthylene	ND		ug/l	5.0	--
Anthracene	ND		ug/l	5.0	--
Benzo(ghi)perylene	ND		ug/l	5.0	--
Fluorene	ND		ug/l	5.0	--
Phenanthrene	ND		ug/l	5.0	--
Dibenzo(a,h)anthracene	ND		ug/l	5.0	--
Pyrene	ND		ug/l	5.0	--
Aniline	ND		ug/l	20	--
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	7.0	--
Dibenzofuran	ND		ug/l	5.0	--
2-Methylnaphthalene	ND		ug/l	5.0	--
n-Nitrosodimethylamine	ND		ug/l	50	--
2,4,6-Trichlorophenol	ND		ug/l	5.0	--
P-Chloro-M-Cresol	ND		ug/l	5.0	--
2-Chlorophenol	ND		ug/l	6.0	--
2,4-Dichlorophenol	ND		ug/l	10	--
2,4-Dimethylphenol	ND		ug/l	10	--
2-Nitrophenol	ND		ug/l	20	--
4-Nitrophenol	ND		ug/l	10	--
2,4-Dinitrophenol	ND		ug/l	30	--
4,6-Dinitro-o-cresol	ND		ug/l	20	--
Phenol	ND		ug/l	7.0	--
2-Methylphenol	ND		ug/l	6.0	--
3-Methylphenol/4-Methylphenol	ND		ug/l	6.0	--
2,4,5-Trichlorophenol	ND		ug/l	5.0	--
Benzyl Alcohol	ND		ug/l	10	--

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

Lab Number: L1010855
Report Date: 07/26/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 07/23/10 11:04
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 07/22/10 09:35

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG423908-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	53		15-120
2,4,6-Tribromophenol	83		10-120
4-Terphenyl-d14	90		33-120

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

Lab Number: L1010855
Report Date: 07/26/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C-SIM
Analytical Date: 07/23/10 20:15
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 07/22/10 09:58

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-07 Batch: WG423911-1					
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	23		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	47		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	105		33-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1010855
Report Date: 07/26/10

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 Batch: WG423908-2 WG423908-3								
Acenaphthene	71		74		37-111	4		30
1,2,4-Trichlorobenzene	43		46		39-98	7		30
1,4-Dichlorobenzene	**35**	Q	42		36-97	18		30
2,4-Dinitrotoluene	88		90		24-96	2		30
n-Nitrosodi-n-propylamine	72		78		41-116	8		30
Pyrene	90		92		26-127	2		30
P-Chloro-M-Cresol	82		88		23-97	7		30
2-Chlorophenol	60		72		27-123	18		30
4-Nitrophenol	59		51		10-80	15		30
Pentachlorophenol	75		86		9-103	14		30
Phenol	24		27		12-110	12		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	31		38		21-120
Phenol-d6	21		25		10-120
Nitrobenzene-d5	70		76		23-120
2-Fluorobiphenyl	72		78		15-120
2,4,6-Tribromophenol	83		89		10-120
4-Terphenyl-d14	86		88		33-120

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1010855
Report Date: 07/26/10

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 Batch: WG423911-2 WG423911-3								
Pentachlorophenol	89		90		9-103	1		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	31		32		21-120
Phenol-d6	22		23		10-120
Nitrobenzene-d5	74		65		23-120
2-Fluorobiphenyl	73		74		15-120
2,4,6-Tribromophenol	86		80		10-120
4-Terphenyl-d14	88		87		33-120

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1010855
Report Date: 07/26/10

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 QC Batch ID: WG423908-4 WG423908-5 QC Sample: L1010855-01 Client ID: MW11S												
Acenaphthene	ND	80	57	71		57	71		37-111	0		30
1,2,4-Trichlorobenzene	ND	80	39	49		36	45		39-98	9		30
1,4-Dichlorobenzene	ND	80	30	38		32	40		36-97	5		30
2,4-Dinitrotoluene	ND	80	66	83		68	85		24-96	2		30
n-Nitrosodi-n-propylamine	ND	80	55	69		53	66		41-116	4		30
Pyrene	ND	80	67	84		70	88		26-127	5		30
P-Chloro-M-Cresol	ND	80	68	85		69	86		23-97	1		30
2-Chlorophenol	ND	80	49	61		52	65		27-123	6		30
4-Nitrophenol	ND	80	68	**85**	Q	68	**85**	Q	10-80	0		30
Pentachlorophenol	ND	80	63	79		65	81		9-103	3		30
Phenol	ND	80	31	39		33	41		12-110	5		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	83		78		10-120
2-Fluorobiphenyl	73		67		15-120
2-Fluorophenol	45		47		21-120
4-Terphenyl-d14	82		81		33-120
Nitrobenzene-d5	64		64		23-120
Phenol-d6	37		37		10-120

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1010855
Report Date: 07/26/10

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 QC Batch ID: WG423911-4 WG423911-5 QC Sample: L1010855-01 Client ID: MW11S												
Pentachlorophenol	ND	80	74	93		76	95		9-103	2		40

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	98		92		10-120
2-Fluorobiphenyl	68		60		15-120
2-Fluorophenol	49		46		21-120
4-Terphenyl-d14	87		81		33-120
Nitrobenzene-d5	65		59		23-120
Phenol-d6	37		35		10-120

METALS

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1010855
Project Number:	JI-1747	**Report Date:**	07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-01	Date Collected:	07/19/10 08:25
Client ID:	MW11S	Date Received:	07/19/10
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	0.012		mg/l	0.010	--	1	07/20/10 12:00	07/21/10 18:45	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 18:45	EPA 3005A	1,6020	BM
Arsenic, Total	0.0015		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 18:45	EPA 3005A	1,6020	BM
Barium, Total	0.0972		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 18:45	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 18:45	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 18:45	EPA 3005A	1,6020	BM
Chromium, Total	0.0006		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 18:45	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 18:45	EPA 3005A	1,6020	BM
Manganese, Total	2.657		mg/l	0.0010	--	1	07/20/10 12:00	07/21/10 18:45	EPA 3005A	1,6020	BM
Sodium, Total	20		mg/l	2.0	--	1	07/20/10 12:00	07/22/10 00:10	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 18:45	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 18:45	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	--	1	07/20/10 12:00	07/21/10 18:45	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL
Lab Number: L1010855
Project Number: JI-1747
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010855-02
Client ID: MW11DO
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/19/10 09:08
Date Received: 07/19/10
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	07/20/10 12:00	07/21/10 19:09	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:09	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:09	EPA 3005A	1,6020	BM
Barium, Total	0.0525		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:09	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:09	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:09	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:09	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:09	EPA 3005A	1,6020	BM
Manganese, Total	1.684		mg/l	0.0010	--	1	07/20/10 12:00	07/21/10 19:09	EPA 3005A	1,6020	BM
Sodium, Total	21		mg/l	2.0	--	1	07/20/10 12:00	07/22/10 00:29	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:09	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:09	EPA 3005A	1,6020	BM
Zinc, Total	0.0097		mg/l	0.0050	--	1	07/20/10 12:00	07/21/10 19:09	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1010855
Project Number:	JI-1747	**Report Date:**	07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-03	Date Collected:	07/19/10 09:42
Client ID:	MW11BR	Date Received:	07/19/10
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	0.020		mg/l	0.010	--	1	07/20/10 12:00	07/21/10 19:15	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:15	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:15	EPA 3005A	1,6020	BM
Barium, Total	0.0421		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:15	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:15	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:15	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:15	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:15	EPA 3005A	1,6020	BM
Manganese, Total	ND		mg/l	0.0010	--	1	07/20/10 12:00	07/21/10 19:15	EPA 3005A	1,6020	BM
Sodium, Total	68		mg/l	2.0	--	1	07/20/10 12:00	07/22/10 00:32	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:15	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:15	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	--	1	07/20/10 12:00	07/21/10 19:15	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL
Lab Number: L1010855
Project Number: JI-1747
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010855-04
Client ID: MW6DO
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/19/10 11:20
Date Received: 07/19/10
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	07/20/10 12:00	07/21/10 19:21	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:21	EPA 3005A	1,6020	BM
Arsenic, Total	0.0009		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:21	EPA 3005A	1,6020	BM
Barium, Total	0.050		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:21	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:21	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:21	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:21	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:21	EPA 3005A	1,6020	BM
Manganese, Total	1.386		mg/l	0.0010	--	1	07/20/10 12:00	07/21/10 19:21	EPA 3005A	1,6020	BM
Sodium, Total	18		mg/l	2.0	--	1	07/20/10 12:00	07/22/10 00:35	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:21	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:21	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	--	1	07/20/10 12:00	07/21/10 19:21	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1010855
Project Number:	JI-1747	**Report Date:**	07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-05	Date Collected:	07/19/10 11:20
Client ID:	DUP (MW6DO)	Date Received:	07/19/10
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	07/20/10 12:00	07/21/10 19:27	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:27	EPA 3005A	1,6020	BM
Arsenic, Total	0.0008		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:27	EPA 3005A	1,6020	BM
Barium, Total	0.0461		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:27	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:27	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:27	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:27	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:27	EPA 3005A	1,6020	BM
Manganese, Total	1.291		mg/l	0.0010	--	1	07/20/10 12:00	07/21/10 19:27	EPA 3005A	1,6020	BM
Sodium, Total	17		mg/l	2.0	--	1	07/20/10 12:00	07/22/10 00:39	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:27	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:27	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	--	1	07/20/10 12:00	07/21/10 19:27	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1010855
Project Number:	JI-1747	**Report Date:**	07/26/10

SAMPLE RESULTS

Lab ID:	L1010855-06	Date Collected:	07/19/10 13:33
Client ID:	MW5S	Date Received:	07/19/10
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	07/20/10 12:00	07/21/10 19:33	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:33	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:33	EPA 3005A	1,6020	BM
Barium, Total	0.0011		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:33	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:33	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:33	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:33	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:33	EPA 3005A	1,6020	BM
Manganese, Total	0.0012		mg/l	0.0010	--	1	07/20/10 12:00	07/21/10 19:33	EPA 3005A	1,6020	BM
Sodium, Total	10		mg/l	2.0	--	1	07/20/10 12:00	07/22/10 00:42	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:33	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:33	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	--	1	07/20/10 12:00	07/21/10 19:33	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL
Lab Number: L1010855
Project Number: JI-1747
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010855-07
Client ID: FIELD BLANK
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/19/10 13:45
Date Received: 07/19/10
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	07/20/10 12:00	07/21/10 18:21	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 18:21	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 18:21	EPA 3005A	1,6020	BM
Barium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 18:21	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 18:21	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 18:21	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 18:21	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 18:21	EPA 3005A	1,6020	BM
Manganese, Total	ND		mg/l	0.0010	--	1	07/20/10 12:00	07/21/10 18:21	EPA 3005A	1,6020	BM
Sodium, Total	ND		mg/l	2.0	--	1	07/20/10 12:00	07/22/10 00:45	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 18:21	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 18:21	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	--	1	07/20/10 12:00	07/21/10 18:21	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL
Lab Number: L1010855
Project Number: JI-1747
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010855-09
Client ID: SW12
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/19/10 09:46
Date Received: 07/19/10
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	0.042		mg/l	0.010	--	1	07/20/10 12:00	07/21/10 19:51	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:51	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:51	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:51	EPA 3005A	1,6020	BM
Copper, Total	0.0042		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:51	EPA 3005A	1,6020	BM
Iron, Total	3.11		mg/l	0.050	--	1	07/20/10 12:00	07/21/10 19:51	EPA 3005A	1,6020	BM
Lead, Total	0.0007		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:51	EPA 3005A	1,6020	BM
Manganese, Total	0.7889		mg/l	0.0010	--	1	07/20/10 12:00	07/21/10 19:51	EPA 3005A	1,6020	BM
Nickel, Total	0.0014		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:51	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 19:51	EPA 3005A	1,6020	BM
Zinc, Total	0.0115		mg/l	0.0050	--	1	07/20/10 12:00	07/21/10 19:51	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab											
Hardness	38		mg/l	0.66	--	1	07/20/10 12:00	07/22/10 00:48	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	ND		mg/l	0.010	--	1	07/21/10 12:15	07/23/10 21:33	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 21:33	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 21:33	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 21:33	EPA 3005A	1,6020	BM
Copper, Dissolved	0.0044		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 21:33	EPA 3005A	1,6020	BM
Iron, Dissolved	0.867		mg/l	0.050	--	1	07/21/10 12:15	07/23/10 21:33	EPA 3005A	1,6020	BM
Lead, Dissolved	0.0011		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 21:33	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.7264		mg/l	0.0010	--	1	07/21/10 12:15	07/23/10 21:33	EPA 3005A	1,6020	BM
Nickel, Dissolved	0.0014		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 21:33	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 21:33	EPA 3005A	1,6020	BM
Zinc, Dissolved	0.0154		mg/l	0.0050	--	1	07/21/10 12:15	07/23/10 21:33	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

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 Batch: WG423558-1										
Sodium, Total	ND		mg/l	2.0	--	1	07/20/10 12:00	07/22/10 00:00	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): 01-07,09 Batch: WG423558-1										
Hardness	ND		mg/l	0.66	--	1	07/20/10 12:00	07/22/10 00:00	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 Metals - Westborough Lab for sample(s): 01-07,09 Batch: WG423559-1										
Aluminum, Total	ND		mg/l	0.010	--	1	07/20/10 12:00	07/21/10 15:48	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 15:48	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 15:48	1,6020	BM
Barium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 15:48	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 15:48	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 15:48	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 15:48	1,6020	BM
Copper, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 15:48	1,6020	BM
Iron, Total	ND		mg/l	0.050	--	1	07/20/10 12:00	07/21/10 15:48	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 15:48	1,6020	BM
Manganese, Total	ND		mg/l	0.0010	--	1	07/20/10 12:00	07/21/10 15:48	1,6020	BM
Nickel, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 15:48	1,6020	BM
Silver, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 15:48	1,6020	BM
Thallium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 15:48	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	07/20/10 12:00	07/21/10 15:48	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	--	1	07/20/10 12:00	07/21/10 15:48	1,6020	BM

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

Method Blank Analysis
Batch Quality Control

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): 09 Batch: WG423773-1										
Aluminum, Dissolved	ND		mg/l	0.010	--	1	07/21/10 12:15	07/23/10 19:56	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 19:56	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 19:56	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 19:56	1,6020	BM
Copper, Dissolved	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 19:56	1,6020	BM
Iron, Dissolved	ND		mg/l	0.050	--	1	07/21/10 12:15	07/23/10 19:56	1,6020	BM
Lead, Dissolved	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 19:56	1,6020	BM
Manganese, Dissolved	ND		mg/l	0.0010	--	1	07/21/10 12:15	07/23/10 19:56	1,6020	BM
Nickel, Dissolved	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 19:56	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 19:56	1,6020	BM
Zinc, Dissolved	ND		mg/l	0.0050	--	1	07/21/10 12:15	07/23/10 19:56	1,6020	BM

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1010855
Report Date: 07/26/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-07,09 Batch: WG423558-2								
Sodium, Total	100		-		80-120	-		
Total Hardness by SM 2340B - Westborough Lab Associated sample(s): 01-07,09 Batch: WG423558-2								
Hardness	97		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1010855
Report Date: 07/26/10

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-07,09 Batch: WG423559-2					
Aluminum, Total	99	-	80-120	-	
Antimony, Total	98	-	80-120	-	
Arsenic, Total	101	-	80-120	-	
Barium, Total	100	-	80-120	-	
Beryllium, Total	98	-	80-120	-	
Cadmium, Total	111	-	80-120	-	
Chromium, Total	98	-	80-120	-	
Copper, Total	103	-	80-120	-	
Iron, Total	110	-	80-120	-	
Lead, Total	106	-	80-120	-	
Manganese, Total	98	-	80-120	-	
Nickel, Total	105	-	80-120	-	
Silver, Total	102	-	80-120	-	
Thallium, Total	96	-	80-120	-	
Vanadium, Total	96	-	80-120	-	
Zinc, Total	108	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1010855
Report Date: 07/26/10

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 09 Batch: WG423773-2					
Aluminum, Dissolved	92	-	80-120	-	
Arsenic, Dissolved	101	-	80-120	-	
Cadmium, Dissolved	118	-	80-120	-	
Chromium, Dissolved	92	-	80-120	-	
Copper, Dissolved	99	-	80-120	-	
Iron, Dissolved	111	-	80-120	-	
Lead, Dissolved	99	-	80-120	-	
Manganese, Dissolved	94	-	80-120	-	
Nickel, Dissolved	116	-	80-120	-	
Silver, Dissolved	95	-	80-120	-	
Zinc, Dissolved	103	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1010855
Report Date: 07/26/10

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 QC Batch ID: WG423558-3 WG423558-4 QC Sample: L1010855-01 Client ID: MW11S												
Sodium, Total	20	10	31	110		31	110		75-125	0		20
Total Hardness by SM 2340B - Westborough Lab Associated sample(s): 01-07,09 QC Batch ID: WG423558-3 WG423558-4 QC Sample: L1010855-01 Client ID: MW11S												
Hardness	140	66.2	200	91		200	91		75-125	0		20
Total Metals - Westborough Lab Associated sample(s): 01-07,09 QC Batch ID: WG423559-3 WG423559-4 QC Sample: L1010855-01 Client ID: MW11S												
Aluminum, Total	0.012	2	1.90	94		2.04	101		80-120	7		20
Antimony, Total	ND	0.5	0.4982	100		0.5304	106		80-120	6		20
Arsenic, Total	0.0015	0.12	0.1316	108		0.1360	112		80-120	4		20
Barium, Total	0.0972	2	2.047	97		2.181	104		80-120	7		20
Beryllium, Total	ND	0.05	0.0511	102		0.0516	103		80-120	1		20
Cadmium, Total	ND	0.051	0.0564	111		0.0599	117		80-120	5		20
Chromium, Total	0.0006	0.2	0.1865	93		0.1967	98		80-120	5		20
Copper, Total	ND	0.25	0.2517	101		0.2617	105		80-120	4		20
Iron, Total	45.2	1	51.4	**620**		52.6	**740**		80-120	18		20
Lead, Total	ND	0.51	0.5309	104		0.5579	109		80-120	5		20
Manganese, Total	2.657	0.5	3.354	**139**		3.484	**165**		80-120	17		20
Nickel, Total	0.0047	0.5	0.5070	100		0.5358	106		80-120	6		20
Silver, Total	ND	0.05	0.0497	99		0.0526	105		80-120	6		20
Thallium, Total	ND	0.12	0.1137	95		0.1196	100		80-120	5		20
Vanadium, Total	ND	0.5	0.4579	92		0.4827	96		80-120	4		20
Zinc, Total	ND	0.5	0.5206	104		0.5416	108		80-120	4		20

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1010855
Report Date: 07/26/10

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): 09 QC Batch ID: WG423773-4 QC Sample: L1010855-09 Client ID: SW12										
Aluminum, Dissolved	ND	2	1.99	100		-	-	80-120	-	20
Arsenic, Dissolved	ND	0.12	0.1324	110		-	-	80-120	-	20
Cadmium, Dissolved	ND	0.051	0.0652	**128**	Q	-	-	80-120	-	20
Chromium, Dissolved	ND	0.2	0.1966	98		-	-	80-120	-	20
Copper, Dissolved	0.0044	0.25	0.2655	104		-	-	80-120	-	20
Iron, Dissolved	0.867	1	2.11	**124**	Q	-	-	80-120	-	20
Lead, Dissolved	0.0011	0.51	0.5414	106		-	-	80-120	-	20
Manganese, Dissolved	0.7264	0.5	1.310	117		-	-	80-120	-	20
Nickel, Dissolved	0.0014	0.5	0.6058	**121**	Q	-	-	80-120	-	20
Silver, Dissolved	ND	0.05	0.0494	99		-	-	80-120	-	20
Zinc, Dissolved	0.0154	0.5	0.5536	108		-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

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

Lab Number: L1010855
Report Date: 07/26/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 09 QC Batch ID: WG423773-3 QC Sample: L1010855-09 Client ID: SW12						
Aluminum, Dissolved	ND	ND	mg/l	NC		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	0.0044	0.0046	mg/l	4		20
Iron, Dissolved	0.867	0.894	mg/l	3		20
Lead, Dissolved	0.0011	0.0012	mg/l	4		20
Manganese, Dissolved	0.7264	0.7429	mg/l	2		20
Nickel, Dissolved	0.0014	0.0015	mg/l	4		20
Silver, Dissolved	ND	ND	mg/l	NC		20
Zinc, Dissolved	0.0154	0.0156	mg/l	1		20

INORGANICS
&
MISCELLANEOUS

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

Lab Number: L1010855
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010855-09
Client ID: SW12
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/19/10 09:46
Date Received: 07/19/10
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	07/21/10 10:00	07/21/10 16:18	1,9010B/9012A	JO
Nitrogen, Ammonia	1.49		mg/l	0.075	--	1	07/20/10 11:45	07/22/10 19:11	30,4500NH3-BH	AT
Nitrogen, Nitrate	0.82		mg/l	0.10	--	1	-	07/20/10 21:08	30,4500NO3-F	DD
Phosphorus, Total	0.022		mg/l	0.010	--	1	-	07/20/10 14:18	30,4500P-E	ST
Sulfide	ND		mg/l	0.10	--	1	07/21/10 20:30	07/21/10 21:30	1,9030B	AT
Total Organic Carbon	4.6		mg/l	0.50	--	1	-	07/23/10 08:12	1,9060	DW

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010855

Project Number: JI-1747 **Report Date:** 07/26/10

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): 09 Batch: WG423529-1										
Phosphorus, Total	ND		mg/l	0.010	--	1	-	07/20/10 13:57	30,4500P-E	ST
General Chemistry - Westborough Lab for sample(s): 09 Batch: WG423545-1										
Nitrogen, Ammonia	ND		mg/l	0.075	--	1	07/20/10 11:45	07/22/10 18:56	30,4500NH3-BH	AT
General Chemistry - Westborough Lab for sample(s): 09 Batch: WG423646-2										
Nitrogen, Nitrate	ND		mg/l	0.10	--	1	-	07/20/10 20:48	30,4500NO3-F	DD
General Chemistry - Westborough Lab for sample(s): 09 Batch: WG423719-2										
Cyanide, Total	ND		mg/l	0.005	--	1	07/21/10 10:00	07/21/10 16:06	1,9010B/9012A	JO
General Chemistry - Westborough Lab for sample(s): 09 Batch: WG424089-1										
Sulfide	ND		mg/l	0.10	--	1	07/21/10 20:30	07/21/10 21:30	1,9030B	AT
General Chemistry - Westborough Lab for sample(s): 09 Batch: WG424207-1										
Total Organic Carbon	ND		mg/l	0.50	--	1	-	07/23/10 08:12	1,9060	DW

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1010855
Report Date: 07/26/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 09 Batch: WG423529-2								
Phosphorus, Total	100		-		85-115	-		
General Chemistry - Westborough Lab Associated sample(s): 09 Batch: WG423545-2								
Nitrogen, Ammonia	98		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 09 Batch: WG423646-1								
Nitrogen, Nitrate	100		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 09 Batch: WG423719-1								
Cyanide, Total	93		-		80-120	-		
General Chemistry - Westborough Lab Associated sample(s): 09 Batch: WG424089-2								
Sulfide	87		-		75-125	-		
General Chemistry - Westborough Lab Associated sample(s): 09 Batch: WG424207-2								
Total Organic Carbon	96		-		90-110	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1010855
Report Date: 07/26/10

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): 09 QC Batch ID: WG423529-3 QC Sample: L1010855-09 Client ID: SW12												
Phosphorus, Total	0.022	0.5	0.545	105		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 09 QC Batch ID: WG423545-3 QC Sample: L1010857-02 Client ID: MS Sample												
Nitrogen, Ammonia	ND	4	3.97	99		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 09 QC Batch ID: WG423646-3 QC Sample: L1010855-09 Client ID: SW12												
Nitrogen, Nitrate	0.82	4	4.8	100		-	-		83-113	-		17
General Chemistry - Westborough Lab Associated sample(s): 09 QC Batch ID: WG423719-3 WG423719-4 QC Sample: L1010950-11 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.204	102		0.199	100		80-120	2		30
General Chemistry - Westborough Lab Associated sample(s): 09 QC Batch ID: WG424089-3 QC Sample: L1010855-09 Client ID: SW12												
Sulfide	ND	0.24	0.19	79		-	-		70-130	-		20
General Chemistry - Westborough Lab Associated sample(s): 09 QC Batch ID: WG424207-3 QC Sample: L1010855-09 Client ID: SW12												
Total Organic Carbon	4.6	4	9.1	113		-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

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

Lab Number: L1010855
Report Date: 07/26/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 09 QC Batch ID: WG423529-4 QC Sample: L1010855-09 Client ID: SW12						
Phosphorus, Total	0.022	0.030	mg/l	**31**	Q	20
General Chemistry - Westborough Lab Associated sample(s): 09 QC Batch ID: WG423545-4 QC Sample: L1010857-01 Client ID: DUP Sample						
Nitrogen, Ammonia	0.082	0.080	mg/l	2		20
General Chemistry - Westborough Lab Associated sample(s): 09 QC Batch ID: WG423646-4 QC Sample: L1010855-09 Client ID: SW12						
Nitrogen, Nitrate	0.82	0.81	mg/l	1		17
General Chemistry - Westborough Lab Associated sample(s): 09 QC Batch ID: WG424089-4 QC Sample: L1010855-09 Client ID: SW12						
Sulfide	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 09 QC Batch ID: WG424207-4 QC Sample: L1010950-11 Client ID: DUP Sample						
Total Organic Carbon	6.3	6.4	mg/l	2		20

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

Lab Number: L1010855
Report Date: 07/26/10

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

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1010855-01A	Vial HCl preserved	A	N/A	3.5	Y	Absent	8260(14)
L1010855-01B	Vial HCl preserved	A	N/A	3.5	Y	Absent	8260(14)
L1010855-01C	Vial HCl preserved	A	N/A	3.5	Y	Absent	8260(14)
L1010855-01D	Vial HCl preserved	A	N/A	3.5	Y	Absent	8260(14)
L1010855-01E	Vial HCl preserved	A	N/A	3.5	Y	Absent	8260(14)
L1010855-01F	Vial HCl preserved	A	N/A	3.5	Y	Absent	8260(14)
L1010855-01G	Amber 1000ml unpreserved	A	7	3.5	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1010855-01H	Amber 1000ml unpreserved	A	7	3.5	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1010855-01I	Amber 1000ml unpreserved	A	7	3.5	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1010855-01J	Amber 1000ml unpreserved	A	7	3.5	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1010855-01K	Amber 1000ml unpreserved	A	7	3.5	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1010855-01L	Amber 1000ml unpreserved	A	7	3.5	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1010855-01M	Plastic 250ml HNO3 preserved	A	<2	3.5	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)
L1010855-01N	Plastic 250ml HNO3 preserved	A	<2	3.5	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)
L1010855-01O	Plastic 250ml HNO3 preserved	A	<2	3.5	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)
L1010855-02A	Vial HCl preserved	A	N/A	3.5	Y	Absent	8260(14)

*Values in parentheses indicate holding time in days

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

Lab Number: L1010855
Report Date: 07/26/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1010855-02B	Vial HCl preserved	A	N/A	3.5	Y	Absent	8260(14)
L1010855-02C	Amber 1000ml unpreserved	A	7	3.5	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1010855-02D	Amber 1000ml unpreserved	A	7	3.5	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1010855-02E	Plastic 250ml HNO3 preserved	A	<2	3.5	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)
L1010855-03A	Vial HCl preserved	A	N/A	3.5	Y	Absent	8260(14)
L1010855-03B	Vial HCl preserved	A	N/A	3.5	Y	Absent	8260(14)
L1010855-03C	Amber 1000ml unpreserved	A	7	3.5	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1010855-03D	Amber 1000ml unpreserved	A	7	3.5	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1010855-03E	Plastic 250ml HNO3 preserved	A	<2	3.5	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)
L1010855-04A	Vial HCl preserved	A	N/A	3.5	Y	Absent	8260(14)
L1010855-04C	Amber 1000ml unpreserved	A	7	3.5	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1010855-04D	Amber 1000ml unpreserved	A	7	3.5	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1010855-04E	Plastic 250ml HNO3 preserved	A	<2	3.5	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)
L1010855-05A	Vial HCl preserved	A	N/A	3.5	Y	Absent	8260(14)
L1010855-05B	Vial HCl preserved	A	N/A	3.5	Y	Absent	8260(14)
L1010855-05C	Amber 1000ml unpreserved	A	7	3.5	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1010855-05E	Plastic 250ml HNO3 preserved	A	<2	3.5	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)
L1010855-06A	Amber 1000ml unpreserved	B	7	2.8	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1010855-06B	Plastic 500ml HNO3 preserved	B	<2	2.8	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: JI-1747

Lab Number: L1010855
Report Date: 07/26/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1010855-07A	Vial HCl preserved	B	N/A	2.8	Y	Absent	8260(14)
L1010855-07B	Vial HCl preserved	B	N/A	2.8	Y	Absent	8260(14)
L1010855-07C	Amber 1000ml unpreserved	B	7	2.8	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1010855-07D	Amber 1000ml unpreserved	B	7	2.8	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1010855-07E	Plastic 250ml HNO3 preserved	B	<2	2.8	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)
L1010855-08A	Vial HCl preserved	B	N/A	2.8	Y	Absent	8260(14)
L1010855-08B	Vial HCl preserved	B	N/A	2.8	Y	Absent	8260(14)
L1010855-09A	Vial H2SO4 preserved	A	N/A	3.5	Y	Absent	TOC-9060(28)
L1010855-09B	Vial H2SO4 preserved	A	N/A	3.5	Y	Absent	TOC-9060(28)
L1010855-09C	Plastic 250ml unpreserved	A	7	3.5	Y	Absent	NO3-4500(2)
L1010855-09D	Plastic 250ml NaOH preserved	A	>12	3.5	Y	Absent	TCN-9010(14)
L1010855-09E	Plastic 250ml Zn Acetate/NaOH pr	A	>12	3.5	Y	Absent	SULFIDE-9030(7)
L1010855-09F	Plastic 250ml Zn Acetate/NaOH pr	A	>12	3.5	Y	Absent	SULFIDE-9030(7)
L1010855-09G	Plastic 250ml Zn Acetate/NaOH pr	A	>12	3.5	Y	Absent	SULFIDE-9030(7)
L1010855-09H	Plastic 500ml H2SO4 preserved	A	<2	3.5	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1010855-09I	Plastic 250ml HNO3 preserved	A	<2	3.5	Y	Absent	HARDT(180)
L1010855-09J	Plastic 250ml HNO3 preserved	A	<2	3.5	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)
L1010855-09K	Plastic 500ml unpreserved	A	7	3.5	Y	Absent	-
L1010855-09L	Plastic 250ml HNO3 preserved spl	A	<2	3.5	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

L1010855-01G

L1010855-01J

L1010855-02C

L1010855-03C

L1010855-04D

*Values in parentheses indicate holding time in days

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

Lab Number: L1010855
Report Date: 07/26/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)

Container Comments

L1010855-05C

L1010855-06A

L1010855-07D

L1010855-09K

L1010855-09L

*Values in parentheses indicate holding time in days

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1010855
Project Number:	JI-1747	**Report Date:**	07/26/10

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.
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.

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.
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.
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.
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. 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.

Report Format: Data Usability Report

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1010855
Project Number:	JI-1747	**Report Date:**	07/26/10

Data Qualifiers

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:** L1010855
Project Number: JI-1747 **Report Date:** 07/26/10

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 July 19, 2010 - 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, 300.0, 353.2, SM2130B, 2320B, 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, Lachat 10-107-06-1-B, SM2320B, 2340B, 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.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624, ME DRO, ME GRO, MA EPH, MA VPH.)
*Solid Waste/Soil (*Organic Parameters: ME DRO, ME GRO, MA EPH, MA VPH.)

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)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 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), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; 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,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 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-B,C-Titr, 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, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)

(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, 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, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

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 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 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.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Non-Potable Water (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 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 NY-DOH 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, 376.2, 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.)

Department of Defense 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, 9251, 9038, 350.1, 353.2, 351.1, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035, MassDEP EPH, MassDEP VPH.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **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. **EPA 350.1** for Ammonia in a Soil matrix.

CHAIN OF CUSTODY

PAGE 1 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: 7/19/10

ALPHA Job #: L1010855

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 #: JI-1747
Project Manager: Chris Feeney
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: 7/26 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
10855-1	MW11D	7/19/10	8:25	GW	SH	2	2	1		5
-1	MS (MW11D)		8:25			2	2	1		5
-1	MSD (MW11S)		8:25			2	2	1		5
-2	MW11DO		9:08			2	2	1		5
-3	MW11BR		9:42			2	2	1		5
-4	MW6DO		11:20			1	2	1		4
-5	Dup (MW6DO)		11:20			2	1	1		4
-6	MW5S		1:33			0	1	1		2
-7	Field Blank		1:45	—		2	2	1		5
-8	Trip Blank		N/A			2	0	0		2
					Container Type	V	A	P		
					Preservative	B	A	C		

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	7/19/10 3:15	P. Gillent	7/19/10 1430
P. Gillent	7/19/10 17:45	[signature]	7/19/10 1745

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:07261018:19

CHAIN OF CUSTODY

PAGE 2 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: 7/19/10

ALPHA Job #: L1010855

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 #: JI-1747
Project Manager: Chris Feeney
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: 7/26 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
10855 9	SW12	7/19/10	9:46	SW	SH	3	1	1	2	1	1	1	1						19
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
P. Gillard	7/19/10 3:15	P. Gillard	7/19/10 14:30
	7/19/10 17:45	[illegible]	7/19/10 1745

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:07261018:19

ANALYTICAL REPORT

Lab Number:	L1010950
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:	JI-1747
Report Date:	07/31/10

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

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: JI-1747

Lab Number: L1010950
Report Date: 07/31/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1010950-01	MW04S	SOUTH KINGSTOWN, RI	07/20/10 08:35
L1010950-02	MW04DO	SOUTH KINGSTOWN, RI	07/20/10 09:28
L1010950-03	MW03BR	SOUTH KINGSTOWN, RI	07/20/10 10:24
L1010950-04	DUP(MW03BR)	SOUTH KINGSTOWN, RI	07/20/10 10:24
L1010950-05	MW3S	SOUTH KINGSTOWN, RI	07/20/10 11:09
L1010950-06	MW12S	SOUTH KINGSTOWN, RI	07/20/10 12:05
L1010950-07	MW12DO	SOUTH KINGSTOWN, RI	07/20/10 12:43
L1010950-08	MW13S	SOUTH KINGSTOWN, RI	07/20/10 14:34
L1010950-09	FIELD BLANK	SOUTH KINGSTOWN, RI	07/20/10 14:45
L1010950-10	TRIP BLANK	SOUTH KINGSTOWN, RI	07/20/10 00:00
L1010950-11	SW09	SOUTH KINGSTOWN, RI	07/20/10 09:35
L1010950-12	DUP(SW09)	SOUTH KINGSTOWN, RI	07/20/10 09:35
L1010950-13	SW17	SOUTH KINGSTOWN, RI	07/20/10 11:00
L1010950-14	SW04	SOUTH KINGSTOWN, RI	07/20/10 12:48

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950
Project Number: JI-1747 **Report Date:** 07/31/10

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. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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.

For additional information, please contact Client Services at 800-624-9220.

Volatile Organics

The WG424113-1/-2 LCS/LCSD recoveries, associated with L1010950-02 through -07, -09 and -10, are outside the individual acceptance criteria for Chloromethane (LCSD at 145%), Bromomethane (133%/153%), Dichlorodifluoromethane (LCSD at 143%), Naphthalene (LCSD at 64%) and 1,2,3-Trichlorobenzene (LCSD at 65%), but within the overall method allowances.

The WG424191-1/-2 LCS/LCSD recoveries, associated with L1010950-01 and -08, are above the individual acceptance criteria for Dichlorodifluoromethane (266%/272%), but within the overall method allowances.

The WG424191-4/-5 MS/MSD recoveries, performed on L1010950-01, were above the acceptance criteria for Chloromethane (MSD at 137%) and Dichlorodifluoromethane (246%/239%).

Semivolatile Organics

N,N-Dimethylformamide was not detected as a TIC in any sample.

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950
Project Number: JI-1747 **Report Date:** 07/31/10

Case Narrative (continued)

The surrogate recovery for L1010950-07 was below the acceptance criteria for 2-Fluorophenol (18%); however, the criteria was achieved upon re-extraction outside of holding time. The results of both extractions are reported.
The surrogate recovery for the WG424161-1 Method Blank, associated with L1010950-01 through -04 and -06 through -09, is below the acceptance criteria for 2-Fluorophenol (20%). The associated samples are non-detect and have acceptable surrogate recoveries (with the exception of L1010950-07); therefore, no further actions were taken.
The surrogate recovery for the WG424556-1 Method Blank, associated with L1010950-05, is above the acceptance criteria for 4-Terphenyl-d14 (138%). Since the blank was non-detect for all target analytes, re-analysis is not required.
The WG424161-2 LCS recovery, associated with L1010950-01 through -04 and -06 through -09, was above the acceptance criteria for 2,4-Dinitrotoluene (97%); however, the associated samples were non-detect for this target compound. The results of the original analysis are reported.
The WG424161-2/-3 LCS/LCSD RPD, associated with L1010950-01 through -04 and -06 through -09, is above the acceptance criteria for Phenol (36%); however, the individual LCS/LCSD recoveries are within method limits.
The WG424556-3 LCSD recoveries, associated with L1010950-05, were above the acceptance criteria for 2,4-Dinitrotoluene (114%) and P-Chloro-M-Cresol (98%); however, the associated sample was non-detect for these target compounds. The results of the original analysis are reported.
The WG424161-4 MS recoveries, performed on L1010950-01, are below the acceptance criteria for 1,2,4-Trichlorobenzene (36%) and 1,4-Dichlorobenzene (35%); however, the associated LCS/LCSD recoveries are within criteria. No further action was required. In addition, the associated MS/MSD RPDs are above the acceptance criteria for 1,2,4-Trichlorobenzene (34%) and 1,4-Dichlorobenzene (35%).

Semivolatile Organics by SIM
The surrogate recovery for L1010950-04 and -05 is above the acceptance criteria for 4-Terphenyl-d14 (126% and 143%, respectively). Since the samples were non-detect for all target analytes, re-analysis is not required.
The surrogate recovery for the WG424163-1 Method Blank, associated with L1010950-01 through -04 and -

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950
Project Number: JI-1747 **Report Date:** 07/31/10

Case Narrative (continued)

06 through -09, is below the acceptance criteria for 2-Fluorophenol (19%).
The surrogate recovery for the WG424559-1 Method Blank, associated with L1010950-05, is above the acceptance criteria for 4-Terphenyl-d14 (157%). Since the blank was non-detect for all target analytes, re-analysis is not required.
The surrogate recovery for the WG424163-2 LCS, associated with L1010950-01 through -04 and -06 through -09, is below the acceptance criteria for 2-Fluorophenol (20%). The LCS spike compound is within overall method allowances; therefore, no further action was taken.
The WG424559-2/-3 LCS/LCSD recoveries, associated with L1010950-05, were above the acceptance criteria for Pentachlorophenol (112%/118%); however, the associated sample was non-detect for this target compound. The results of the original analysis are reported.
The surrogate recovery for the WG424559-3 LCSD is above the acceptance criteria for 4-Terphenyl-d14 (129%).
The WG424163-5 MSD recovery, performed on L1010950-01, was above the acceptance criteria for Pentachlorophenol (110%); however, the associated LCS/LCSD recoveries were within criteria.

Total Metals
The WG423781-3/-4 MS/MSD recoveries for Iron (40%/30%), performed on L1010950-01, are invalid because the sample concentration is greater than four times the spike amount added. In addition, the associated MS/MSD RPD is above the acceptance criteria for Iron (29%).

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: 07/31/10

ORGANICS

VOLATILES

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1010950
Report Date: 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-01	Date Collected:	07/20/10 08:35
Client ID:	MW04S	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/23/10 11:20		
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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID: L1010950-01 Date Collected: 07/20/10 08:35

Client ID: MW04S Date Received: 07/20/10

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
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	10	--	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:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-01	Date Collected:	07/20/10 08:35
Client ID:	MW04S	Date Received:	07/20/10
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	100		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	93		70-130

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1010950
Report Date: 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-02	Date Collected:	07/20/10 09:28
Client ID:	MW04DO	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/22/10 16:49		
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	1.5		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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID: L1010950-02 Date Collected: 07/20/10 09:28

Client ID: MW04DO Date Received: 07/20/10

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
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	10	--	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:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-02	Date Collected:	07/20/10 09:28
Client ID:	MW04DO	Date Received:	07/20/10
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	109		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	99		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-03	Date Collected:	07/20/10 10:24
Client ID:	MW03BR	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/22/10 17:23		
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	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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID: L1010950-03 Date Collected: 07/20/10 10:24

Client ID: MW03BR Date Received: 07/20/10

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
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	10	--	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:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-03	Date Collected:	07/20/10 10:24
Client ID:	MW03BR	Date Received:	07/20/10
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	109		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	95		70-130

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1010950
Report Date: 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-04	Date Collected:	07/20/10 10:24
Client ID:	DUP(MW03BR)	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/22/10 17:57		
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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID: L1010950-04 Date Collected: 07/20/10 10:24

Client ID: DUP(MW03BR) Date Received: 07/20/10

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
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	10	--	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:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-04	Date Collected:	07/20/10 10:24
Client ID:	DUP(MW03BR)	Date Received:	07/20/10
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	111		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	92		70-130

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1010950
Report Date: 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-05	Date Collected:	07/20/10 11:09
Client ID:	MW3S	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/22/10 18:30		
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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID: L1010950-05 Date Collected: 07/20/10 11:09

Client ID: MW3S Date Received: 07/20/10

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
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	10	--	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:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-05	Date Collected:	07/20/10 11:09
Client ID:	MW3S	Date Received:	07/20/10
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	109		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	90		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-06	Date Collected:	07/20/10 12:05
Client ID:	MW12S	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/22/10 19:04		
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	0.82		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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID: L1010950-06 Date Collected: 07/20/10 12:05

Client ID: MW12S Date Received: 07/20/10

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
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	10	--	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:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-06	Date Collected:	07/20/10 12:05
Client ID:	MW12S	Date Received:	07/20/10
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	111		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	95		70-130

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1010950
Report Date: 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-07	Date Collected:	07/20/10 12:43
Client ID:	MW12DO	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/22/10 19:38		
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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID: L1010950-07 Date Collected: 07/20/10 12:43

Client ID: MW12DO Date Received: 07/20/10

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
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	10	--	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:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-07	Date Collected:	07/20/10 12:43
Client ID:	MW12DO	Date Received:	07/20/10
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	114		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	86		70-130

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1010950
Report Date: 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-08	Date Collected:	07/20/10 14:34
Client ID:	MW13S	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/23/10 10:45		
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	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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID: L1010950-08 Date Collected: 07/20/10 14:34

Client ID: MW13S Date Received: 07/20/10

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
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	10	--	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:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-08	Date Collected:	07/20/10 14:34
Client ID:	MW13S	Date Received:	07/20/10
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	96		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	94		70-130

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1010950
Report Date: 07/31/10

SAMPLE RESULTS

Lab ID: L1010950-09
Client ID: FIELD BLANK
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 07/22/10 20:45
Analyst: PD

Date Collected: 07/20/10 14:45
Date Received: 07/20/10
Field Prep: Not Specified

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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID: L1010950-09 Date Collected: 07/20/10 14:45

Client ID: FIELD BLANK Date Received: 07/20/10

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
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	10	--	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:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-09	Date Collected:	07/20/10 14:45
Client ID:	FIELD BLANK	Date Received:	07/20/10
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	113		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	91		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-10	Date Collected:	07/20/10 00:00
Client ID:	TRIP BLANK	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/22/10 21:18		
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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID: L1010950-10 Date Collected: 07/20/10 00:00

Client ID: TRIP BLANK Date Received: 07/20/10

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
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	10	--	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:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-10	Date Collected:	07/20/10 00:00
Client ID:	TRIP BLANK	Date Received:	07/20/10
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	112		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	89		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 07/22/10 11:14
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-07,09-10 Batch: WG424113-3					
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:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 07/22/10 11:14
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-07,09-10 Batch: WG424113-3					
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	10	--
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:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 07/22/10 11:14
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-07,09-10 Batch: WG424113-3					
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	106		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	88		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 07/23/10 09:36
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,08 Batch: WG424191-3					
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:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 07/23/10 09:36
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,08 Batch: WG424191-3					
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	10	--
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:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 07/23/10 09:36
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,08 Batch: WG424191-3					
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	98		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	92		70-130

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1010950
Report Date: 07/31/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-07,09-10 Batch: WG424113-1 WG424113-2								
Methylene chloride	93		102		70-130	9		20
1,1-Dichloroethane	94		101		70-130	7		20
Chloroform	89		96		70-130	8		20
Carbon tetrachloride	81		81		70-130	0		20
1,2-Dichloropropane	90		98		70-130	9		20
Dibromochloromethane	79		76		70-130	4		20
1,1,2-Trichloroethane	90		88		70-130	2		20
Tetrachloroethene	78		82		70-130	5		20
Chlorobenzene	82		87		75-130	6		20
Trichlorofluoromethane	97		105		70-130	8		20
1,2-Dichloroethane	90		93		70-130	3		20
1,1,1-Trichloroethane	92		94		70-130	2		20
Bromodichloromethane	93		95		70-130	2		20
trans-1,3-Dichloropropene	86		83		70-130	4		20
cis-1,3-Dichloropropene	79		83		70-130	5		20
1,1-Dichloropropene	84		90		70-130	7		20
Bromoform	80		76		70-130	5		20
1,1,2,2-Tetrachloroethane	94		92		70-130	2		20
Benzene	90		96		76-127	6		20
Toluene	83		87		76-125	5		20
Ethylbenzene	87		90		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1010950
Report Date: 07/31/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-07,09-10 Batch: WG424113-1 WG424113-2								
Chloromethane	130		**145**	Q	70-130	11		20
Bromomethane	**133**	Q	**153**	Q	70-130	14		20
Vinyl chloride	110		120		70-130	9		20
Chloroethane	98		114		70-130	15		20
1,1-Dichloroethene	89		101		61-145	13		20
trans-1,2-Dichloroethene	86		94		70-130	9		20
Trichloroethene	80		87		71-120	8		20
1,2-Dichlorobenzene	82		85		70-130	4		20
1,3-Dichlorobenzene	83		88		70-130	6		20
1,4-Dichlorobenzene	84		87		70-130	4		20
Methyl tert butyl ether	90		91		70-130	1		20
p/m-Xylene	85		88		70-130	3		20
o-Xylene	93		96		70-130	3		20
cis-1,2-Dichloroethene	86		92		70-130	7		20
Dibromomethane	87		91		70-130	4		20
1,2,3-Trichloropropane	104		101		70-130	3		20
Styrene	95		98		70-130	3		20
Dichlorodifluoromethane	119		**143**	Q	70-130	18		20
Acetone	107		112		70-130	5		20
Carbon disulfide	80		88		70-130	10		20
2-Butanone	107		105		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1010950
Report Date: 07/31/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-07,09-10 Batch: WG424113-1 WG424113-2								
4-Methyl-2-pentanone	100		96		70-130	4		20
2-Hexanone	106		97		70-130	9		20
Bromochloromethane	86		90		70-130	5		20
Tetrahydrofuran	105		102		70-130	3		20
2,2-Dichloropropane	100		103		70-130	3		20
1,2-Dibromoethane	81		82		70-130	1		20
1,3-Dichloropropane	91		90		70-130	1		20
1,1,1,2-Tetrachloroethane	79		80		70-130	1		20
Bromobenzene	86		88		70-130	2		20
n-Butylbenzene	86		93		70-130	8		20
sec-Butylbenzene	88		94		70-130	7		20
tert-Butylbenzene	93		98		70-130	5		20
o-Chlorotoluene	86		87		70-130	1		20
p-Chlorotoluene	91		90		70-130	1		20
1,2-Dibromo-3-chloropropane	88		80		70-130	10		20
Hexachlorobutadiene	79		79		70-130	0		20
Isopropylbenzene	84		88		70-130	5		20
p-Isopropyltoluene	94		100		70-130	6		20
Naphthalene	74		**64**	Q	70-130	14		20
n-Propylbenzene	91		96		70-130	5		20
1,2,3-Trichlorobenzene	72		**65**	Q	70-130	10		20

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1010950
Report Date: 07/31/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-07,09-10 Batch: WG424113-1 WG424113-2								
1,2,4-Trichlorobenzene	94		91		70-130	3		20
1,3,5-Trimethylbenzene	81		81		70-130	0		20
1,2,4-Trimethylbenzene	83		87		70-130	5		20
Ethyl ether	104		109		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		103		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	103		102		70-130
Dibromofluoromethane	93		94		70-130

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1010950
Report Date: 07/31/10

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: WG424191-1 WG424191-2								
Methylene chloride	102		100		70-130	2		20
1,1-Dichloroethane	102		100		70-130	2		20
Chloroform	102		101		70-130	1		20
Carbon tetrachloride	88		90		70-130	2		20
1,2-Dichloropropane	96		95		70-130	1		20
Dibromochloromethane	90		90		70-130	0		20
1,1,2-Trichloroethane	91		88		70-130	3		20
Tetrachloroethene	98		96		70-130	2		20
Chlorobenzene	92		89		75-130	3		20
Trichlorofluoromethane	107		105		70-130	2		20
1,2-Dichloroethane	99		96		70-130	3		20
1,1,1-Trichloroethane	90		91		70-130	1		20
Bromodichloromethane	92		93		70-130	1		20
trans-1,3-Dichloropropene	83		84		70-130	1		20
cis-1,3-Dichloropropene	80		81		70-130	1		20
1,1-Dichloropropene	100		96		70-130	4		20
Bromoform	91		93		70-130	2		20
1,1,2,2-Tetrachloroethane	102		100		70-130	2		20
Benzene	101		98		76-127	3		20
Toluene	98		93		76-125	5		20
Ethylbenzene	99		94		70-130	5		20

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1010950
Report Date: 07/31/10

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: WG424191-1 WG424191-2								
Chloromethane	130		127		70-130	2		20
Bromomethane	77		82		70-130	6		20
Vinyl chloride	94		87		70-130	8		20
Chloroethane	91		84		70-130	8		20
1,1-Dichloroethene	104		103		61-145	1		20
trans-1,2-Dichloroethene	98		93		70-130	5		20
Trichloroethene	94		89		71-120	5		20
1,2-Dichlorobenzene	92		89		70-130	3		20
1,3-Dichlorobenzene	94		90		70-130	4		20
1,4-Dichlorobenzene	92		90		70-130	2		20
Methyl tert butyl ether	83		88		70-130	6		20
p/m-Xylene	90		88		70-130	2		20
o-Xylene	95		92		70-130	3		20
cis-1,2-Dichloroethene	99		99		70-130	0		20
Dibromomethane	92		95		70-130	3		20
1,2,3-Trichloropropane	109		110		70-130	1		20
Styrene	93		92		70-130	1		20
Dichlorodifluoromethane	**266**	Q	**272**	Q	70-130	2		20
Acetone	88		92		70-130	4		20
Carbon disulfide	81		76		70-130	6		20
2-Butanone	91		89		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1010950
Report Date: 07/31/10

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: WG424191-1 WG424191-2								
4-Methyl-2-pentanone	85		86		70-130	1		20
2-Hexanone	88		89		70-130	1		20
Bromochloromethane	97		95		70-130	2		20
Tetrahydrofuran	84		84		70-130	0		20
2,2-Dichloropropane	92		98		70-130	6		20
1,2-Dibromoethane	90		90		70-130	0		20
1,3-Dichloropropane	100		98		70-130	2		20
1,1,1,2-Tetrachloroethane	90		92		70-130	2		20
Bromobenzene	100		95		70-130	5		20
n-Butylbenzene	93		82		70-130	13		20
sec-Butylbenzene	103		94		70-130	9		20
tert-Butylbenzene	99		91		70-130	8		20
o-Chlorotoluene	100		94		70-130	6		20
p-Chlorotoluene	105		100		70-130	5		20
1,2-Dibromo-3-chloropropane	81		83		70-130	2		20
Hexachlorobutadiene	99		92		70-130	7		20
Isopropylbenzene	99		93		70-130	6		20
p-Isopropyltoluene	102		93		70-130	9		20
Naphthalene	85		77		70-130	10		20
n-Propylbenzene	104		97		70-130	7		20
1,2,3-Trichlorobenzene	103		95		70-130	8		20

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1010950
Report Date: 07/31/10

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: WG424191-1 WG424191-2								
1,2,4-Trichlorobenzene	98		87		70-130	12		20
1,3,5-Trimethylbenzene	95		89		70-130	7		20
1,2,4-Trimethylbenzene	90		82		70-130	9		20
Ethyl ether	93		91		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		96		70-130
Toluene-d8	103		100		70-130
4-Bromofluorobenzene	104		104		70-130
Dibromofluoromethane	95		99		70-130

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1010950
Report Date: 07/31/10

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: WG424191-4 WG424191-5 QC Sample: L1010950-01 Client ID: MW04S												
Methylene chloride	ND	10	9.6	96		9.2	92		70-130	4		20
1,1-Dichloroethane	ND	10	10	102		9.6	96		70-130	6		20
Chloroform	ND	10	9.7	97		9.3	93		70-130	4		20
Carbon tetrachloride	ND	10	9.2	92		9.3	93		70-130	1		20
1,2-Dichloropropane	ND	10	9.3	93		9.0	90		70-130	3		20
Dibromochloromethane	ND	10	9.0	90		9.1	91		70-130	1		20
1,1,2-Trichloroethane	ND	10	9.0	90		8.5	85		70-130	6		20
Tetrachloroethene	ND	10	9.6	96		9.3	93		70-130	3		20
Chlorobenzene	ND	10	8.9	89		8.4	84		75-130	6		20
Trichlorofluoromethane	ND	10	11	115		11	108		70-130	6		20
1,2-Dichloroethane	ND	10	9.6	96		9.0	91		70-130	5		20
1,1,1-Trichloroethane	ND	10	9.2	92		9.1	91		70-130	1		20
Bromodichloromethane	ND	10	9.0	90		8.9	89		70-130	1		20
trans-1,3-Dichloropropene	ND	10	8.2	82		8.3	83		70-130	1		20
cis-1,3-Dichloropropene	ND	10	7.7	77		7.7	77		70-130	0		20
1,1-Dichloropropene	ND	10	9.9	99		9.3	93		70-130	6		20
Bromoform	ND	10	9.1	91		8.8	89		70-130	2		20
1,1,2,2-Tetrachloroethane	ND	10	10	100		9.9	99		70-130	1		20
Benzene	ND	10	9.8	98		9.4	94		76-127	4		20
Toluene	ND	10	9.4	94		8.9	89		76-125	5		20
Ethylbenzene	ND	10	9.5	95		9.0	90		70-130	5		20

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1010950
Report Date: 07/31/10

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: WG424191-4 WG424191-5 QC Sample: L1010950-01 Client ID: MW04S												
Chloromethane	ND	10	13	128		14	**137**	Q	70-130	7		20
Bromomethane	ND	10	8.2	82		8.2	82		70-130	0		20
Vinyl chloride	ND	10	9.8	98		8.7	87		70-130	12		20
Chloroethane	ND	10	9.3	93		8.4	84		70-130	10		20
1,1-Dichloroethene	ND	10	10	104		10	102		61-145	2		20
trans-1,2-Dichloroethene	ND	10	9.6	96		9.2	92		70-130	4		20
Trichloroethene	ND	10	8.6	86		8.2	82		71-120	5		20
1,2-Dichlorobenzene	ND	10	8.9	89		8.3	83		70-130	7		20
1,3-Dichlorobenzene	ND	10	8.8	88		8.3	84		70-130	5		20
1,4-Dichlorobenzene	ND	10	8.8	88		8.4	84		70-130	5		20
Methyl tert butyl ether	ND	10	8.8	88		9.1	91		70-130	3		20
p/m-Xylene	ND	20	17	88		17	83		70-130	6		20
o-Xylene	ND	20	18	88		17	85		70-130	3		20
cis-1,2-Dichloroethene	ND	10	9.9	99		9.6	96		70-130	3		20
Dibromomethane	ND	10	8.9	89		8.7	87		70-130	2		20
1,2,3-Trichloropropane	ND	10	11	107		10	106		70-130	1		20
Styrene	ND	20	17	86		16	83		70-130	4		20
Dichlorodifluoromethane	ND	10	25	**246**	Q	24	**239**	Q	70-130	3		20
Acetone	ND	10	9.3	93		9.1	91		70-130	2		20
Carbon disulfide	ND	10	7.9	80		7.6	76		70-130	5		20
2-Butanone	ND	10	8.8	88		9.2	92		70-130	4		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1010950
Report Date: 07/31/10

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: WG424191-4 WG424191-5 QC Sample: L1010950-01 Client ID: MW04S												
4-Methyl-2-pentanone	ND	10	8.1	81		8.6	86		70-130	6		20
2-Hexanone	ND	10	9.1	91		9.0	90		70-130	1		20
Bromochloromethane	ND	10	9.2	92		9.0	90		70-130	2		20
Tetrahydrofuran	ND	10	ND	82		ND	86		70-130	5		20
2,2-Dichloropropane	ND	10	9.5	95		9.8	98		70-130	3		20
1,2-Dibromoethane	ND	10	8.6	86		8.6	86		70-130	0		20
1,3-Dichloropropane	ND	10	9.6	96		9.5	95		70-130	1		20
1,1,1,2-Tetrachloroethane	ND	10	8.8	88		8.8	88		70-130	0		20
Bromobenzene	ND	10	9.4	94		8.8	88		70-130	7		20
n-Butylbenzene	ND	10	8.3	83		8.2	82		70-130	1		20
sec-Butylbenzene	ND	10	9.7	97		9.2	92		70-130	5		20
tert-Butylbenzene	ND	10	9.4	94		8.9	89		70-130	5		20
o-Chlorotoluene	ND	10	9.4	94		8.8	88		70-130	7		20
p-Chlorotoluene	ND	10	9.8	98		9.3	93		70-130	5		20
1,2-Dibromo-3-chloropropane	ND	10	8.2	82		8.3	84		70-130	2		20
Hexachlorobutadiene	ND	10	9.2	92		8.9	89		70-130	3		20
Isopropylbenzene	ND	10	9.5	95		9.0	90		70-130	5		20
p-Isopropyltoluene	ND	10	9.4	94		9.1	91		70-130	3		20
Naphthalene	ND	10	7.4	74		7.8	78		70-130	5		20
n-Propylbenzene	ND	10	9.9	99		9.3	93		70-130	6		20
1,2,3-Trichlorobenzene	ND	10	9.4	94		9.6	96		70-130	2		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1010950
Report Date: 07/31/10

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: WG424191-4 WG424191-5 QC Sample: L1010950-01 Client ID: MW04S												
1,2,4-Trichlorobenzene	ND	10	8.4	84		8.5	85		70-130	1		20
1,3,5-Trimethylbenzene	ND	10	8.8	88		8.4	84		70-130	5		20
1,2,4-Trimethylbenzene	ND	10	8.0	80		7.9	79		70-130	1		20
Ethyl ether	ND	10	9.5	95		9.2	92		70-130	3		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		97		70-130
4-Bromofluorobenzene	105		104		70-130
Dibromofluoromethane	99		98		70-130
Toluene-d8	103		103		70-130

SEMIVOLATILES

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

Lab Number: L1010950
Report Date: 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-01	Date Collected:	07/20/10 08:35
Client ID:	MW04S	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/23/10 11:23
Analytical Date:	07/24/10 16:13		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	4.9	--	1
Benzidine	ND		ug/l	49	--	1
1,2,4-Trichlorobenzene	ND		ug/l	4.9	--	1
Bis(2-chloroethyl)ether	ND		ug/l	4.9	--	1
2-Chloronaphthalene	ND		ug/l	5.9	--	1
1,2-Dichlorobenzene	ND		ug/l	4.9	--	1
1,3-Dichlorobenzene	ND		ug/l	4.9	--	1
1,4-Dichlorobenzene	ND		ug/l	4.9	--	1
3,3'-Dichlorobenzidine	ND		ug/l	49	--	1
2,4-Dinitrotoluene	ND		ug/l	5.9	--	1
2,6-Dinitrotoluene	ND		ug/l	4.9	--	1
Azobenzene	ND		ug/l	4.9	--	1
Fluoranthene	ND		ug/l	4.9	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	4.9	--	1
4-Bromophenyl phenyl ether	ND		ug/l	4.9	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	4.9	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	4.9	--	1
Hexachlorocyclopentadiene	ND		ug/l	30	--	1
Hexachloroethane	ND		ug/l	4.9	--	1
Isophorone	ND		ug/l	4.9	--	1
Naphthalene	ND		ug/l	4.9	--	1
Nitrobenzene	ND		ug/l	4.9	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	4.9	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	4.9	--	1
Butyl benzyl phthalate	ND		ug/l	4.9	--	1
Di-n-butylphthalate	ND		ug/l	4.9	--	1
Di-n-octylphthalate	ND		ug/l	4.9	--	1
Diethyl phthalate	ND		ug/l	4.9	--	1
Dimethyl phthalate	ND		ug/l	4.9	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-01	Date Collected:	07/20/10 08:35
Client ID:	MW04S	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/l	4.9	--	1
Acenaphthylene	ND		ug/l	4.9	--	1
Anthracene	ND		ug/l	4.9	--	1
Benzo(ghi)perylene	ND		ug/l	4.9	--	1
Fluorene	ND		ug/l	4.9	--	1
Phenanthrene	ND		ug/l	4.9	--	1
Dibenzo(a,h)anthracene	ND		ug/l	4.9	--	1
Pyrene	ND		ug/l	4.9	--	1
Aniline	ND		ug/l	20	--	1
4-Chloroaniline	ND		ug/l	4.9	--	1
2-Nitroaniline	ND		ug/l	4.9	--	1
3-Nitroaniline	ND		ug/l	4.9	--	1
4-Nitroaniline	ND		ug/l	6.9	--	1
Dibenzofuran	ND		ug/l	4.9	--	1
2-Methylnaphthalene	ND		ug/l	4.9	--	1
n-Nitrosodimethylamine	ND		ug/l	49	--	1
2,4,6-Trichlorophenol	ND		ug/l	4.9	--	1
P-Chloro-M-Cresol	ND		ug/l	4.9	--	1
2-Chlorophenol	ND		ug/l	5.9	--	1
2,4-Dichlorophenol	ND		ug/l	9.8	--	1
2,4-Dimethylphenol	ND		ug/l	9.8	--	1
2-Nitrophenol	ND		ug/l	20	--	1
4-Nitrophenol	ND		ug/l	9.8	--	1
2,4-Dinitrophenol	ND		ug/l	30	--	1
4,6-Dinitro-o-cresol	ND		ug/l	20	--	1
Phenol	ND		ug/l	6.9	--	1
2-Methylphenol	ND		ug/l	5.9	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.9	--	1
2,4,5-Trichlorophenol	ND		ug/l	4.9	--	1
Benzyl Alcohol	ND		ug/l	9.8	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	23		21-120
Phenol-d6	14		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	65		15-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-01	Date Collected:	07/20/10 08:35
Client ID:	MW04S	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Tribromophenol	79		10-120			
4-Terphenyl-d14	83		33-120			

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1010950
Report Date: 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-01	Date Collected:	07/20/10 08:35
Client ID:	MW04S	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/23/10 11:26
Analytical Date:	07/24/10 19:48		
Analyst:	HL		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.49	--	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	0.79	--	1
Hexachlorobenzene	ND		ug/l	0.79	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	28		21-120
Phenol-d6	16		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	95		10-120
4-Terphenyl-d14	117		33-120

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

Lab Number: L1010950
Report Date: 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-02	Date Collected:	07/20/10 09:28
Client ID:	MW04DO	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/23/10 11:23
Analytical Date:	07/24/10 16:38		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	5.0	--	1
Benzidine	ND		ug/l	50	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	5.0	--	1
2-Chloronaphthalene	ND		ug/l	5.9	--	1
1,2-Dichlorobenzene	ND		ug/l	5.0	--	1
1,3-Dichlorobenzene	ND		ug/l	5.0	--	1
1,4-Dichlorobenzene	ND		ug/l	5.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	50	--	1
2,4-Dinitrotoluene	ND		ug/l	5.9	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	5.0	--	1
Fluoranthene	ND		ug/l	5.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	5.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	5.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	5.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	30	--	1
Hexachloroethane	ND		ug/l	5.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	5.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	5.0	--	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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-02	Date Collected:	07/20/10 09:28
Client ID:	MW04DO	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/l	5.0	--	1
Acenaphthylene	ND		ug/l	5.0	--	1
Anthracene	ND		ug/l	5.0	--	1
Benzo(ghi)perylene	ND		ug/l	5.0	--	1
Fluorene	ND		ug/l	5.0	--	1
Phenanthrene	ND		ug/l	5.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	5.0	--	1
Pyrene	ND		ug/l	5.0	--	1
Aniline	ND		ug/l	20	--	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	6.9	--	1
Dibenzofuran	ND		ug/l	5.0	--	1
2-Methylnaphthalene	ND		ug/l	5.0	--	1
n-Nitrosodimethylamine	ND		ug/l	50	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	5.0	--	1
2-Chlorophenol	ND		ug/l	5.9	--	1
2,4-Dichlorophenol	ND		ug/l	9.9	--	1
2,4-Dimethylphenol	ND		ug/l	9.9	--	1
2-Nitrophenol	ND		ug/l	20	--	1
4-Nitrophenol	ND		ug/l	9.9	--	1
2,4-Dinitrophenol	ND		ug/l	30	--	1
4,6-Dinitro-o-cresol	ND		ug/l	20	--	1
Phenol	ND		ug/l	6.9	--	1
2-Methylphenol	ND		ug/l	5.9	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.9	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	9.9	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	22		21-120
Phenol-d6	13		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	55		15-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-02	Date Collected:	07/20/10 09:28
Client ID:	MW04DO	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Tribromophenol	74		10-120			
4-Terphenyl-d14	82		33-120			

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1010950
Report Date: 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-02	Date Collected:	07/20/10 09:28
Client ID:	MW04DO	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/23/10 11:26
Analytical Date:	07/24/10 20:20		
Analyst:	HL		

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	24		21-120
Phenol-d6	14		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	54		15-120
2,4,6-Tribromophenol	85		10-120
4-Terphenyl-d14	112		33-120

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

Lab Number: L1010950
Report Date: 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-03	Date Collected:	07/20/10 10:24
Client ID:	MW03BR	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/23/10 11:23
Analytical Date:	07/26/10 14:25		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	4.8	--	1
Benzidine	ND		ug/l	48	--	1
1,2,4-Trichlorobenzene	ND		ug/l	4.8	--	1
Bis(2-chloroethyl)ether	ND		ug/l	4.8	--	1
2-Chloronaphthalene	ND		ug/l	5.8	--	1
1,2-Dichlorobenzene	ND		ug/l	4.8	--	1
1,3-Dichlorobenzene	ND		ug/l	4.8	--	1
1,4-Dichlorobenzene	ND		ug/l	4.8	--	1
3,3'-Dichlorobenzidine	ND		ug/l	48	--	1
2,4-Dinitrotoluene	ND		ug/l	5.8	--	1
2,6-Dinitrotoluene	ND		ug/l	4.8	--	1
Azobenzene	ND		ug/l	4.8	--	1
Fluoranthene	ND		ug/l	4.8	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	4.8	--	1
4-Bromophenyl phenyl ether	ND		ug/l	4.8	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	4.8	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	4.8	--	1
Hexachlorocyclopentadiene	ND		ug/l	29	--	1
Hexachloroethane	ND		ug/l	4.8	--	1
Isophorone	ND		ug/l	4.8	--	1
Naphthalene	ND		ug/l	4.8	--	1
Nitrobenzene	ND		ug/l	4.8	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	14	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	4.8	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	4.8	--	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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-03	Date Collected:	07/20/10 10:24
Client ID:	MW03BR	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/l	4.8	--	1
Acenaphthylene	ND		ug/l	4.8	--	1
Anthracene	ND		ug/l	4.8	--	1
Benzo(ghi)perylene	ND		ug/l	4.8	--	1
Fluorene	ND		ug/l	4.8	--	1
Phenanthrene	ND		ug/l	4.8	--	1
Dibenzo(a,h)anthracene	ND		ug/l	4.8	--	1
Pyrene	ND		ug/l	4.8	--	1
Aniline	ND		ug/l	19	--	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	6.8	--	1
Dibenzofuran	ND		ug/l	4.8	--	1
2-Methylnaphthalene	ND		ug/l	4.8	--	1
n-Nitrosodimethylamine	ND		ug/l	48	--	1
2,4,6-Trichlorophenol	ND		ug/l	4.8	--	1
P-Chloro-M-Cresol	ND		ug/l	4.8	--	1
2-Chlorophenol	ND		ug/l	5.8	--	1
2,4-Dichlorophenol	ND		ug/l	9.6	--	1
2,4-Dimethylphenol	ND		ug/l	9.6	--	1
2-Nitrophenol	ND		ug/l	19	--	1
4-Nitrophenol	ND		ug/l	9.6	--	1
2,4-Dinitrophenol	ND		ug/l	29	--	1
4,6-Dinitro-o-cresol	ND		ug/l	19	--	1
Phenol	ND		ug/l	6.8	--	1
2-Methylphenol	ND		ug/l	5.8	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.8	--	1
2,4,5-Trichlorophenol	ND		ug/l	4.8	--	1
Benzyl Alcohol	ND		ug/l	9.6	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	21		21-120
Phenol-d6	12		10-120
Nitrobenzene-d5	37		23-120
2-Fluorobiphenyl	45		15-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-03	Date Collected:	07/20/10 10:24
Client ID:	MW03BR	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Tribromophenol	72		10-120			
4-Terphenyl-d14	87		33-120			

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1010950
Report Date: 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-03	Date Collected:	07/20/10 10:24
Client ID:	MW03BR	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/23/10 11:26
Analytical Date:	07/24/10 20:51		
Analyst:	HL		

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	21		21-120
Phenol-d6	13		10-120
Nitrobenzene-d5	37		23-120
2-Fluorobiphenyl	42		15-120
2,4,6-Tribromophenol	87		10-120
4-Terphenyl-d14	116		33-120

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

Lab Number: L1010950
Report Date: 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-04	Date Collected:	07/20/10 10:24
Client ID:	DUP(MW03BR)	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/23/10 11:23
Analytical Date:	07/24/10 17:28		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	4.8	--	1
Benzidine	ND		ug/l	48	--	1
1,2,4-Trichlorobenzene	ND		ug/l	4.8	--	1
Bis(2-chloroethyl)ether	ND		ug/l	4.8	--	1
2-Chloronaphthalene	ND		ug/l	5.8	--	1
1,2-Dichlorobenzene	ND		ug/l	4.8	--	1
1,3-Dichlorobenzene	ND		ug/l	4.8	--	1
1,4-Dichlorobenzene	ND		ug/l	4.8	--	1
3,3'-Dichlorobenzidine	ND		ug/l	48	--	1
2,4-Dinitrotoluene	ND		ug/l	5.8	--	1
2,6-Dinitrotoluene	ND		ug/l	4.8	--	1
Azobenzene	ND		ug/l	4.8	--	1
Fluoranthene	ND		ug/l	4.8	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	4.8	--	1
4-Bromophenyl phenyl ether	ND		ug/l	4.8	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	4.8	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	4.8	--	1
Hexachlorocyclopentadiene	ND		ug/l	29	--	1
Hexachloroethane	ND		ug/l	4.8	--	1
Isophorone	ND		ug/l	4.8	--	1
Naphthalene	ND		ug/l	4.8	--	1
Nitrobenzene	ND		ug/l	4.8	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	14	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	4.8	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	4.8	--	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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-04	Date Collected:	07/20/10 10:24
Client ID:	DUP(MW03BR)	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/l	4.8	--	1
Acenaphthylene	ND		ug/l	4.8	--	1
Anthracene	ND		ug/l	4.8	--	1
Benzo(ghi)perylene	ND		ug/l	4.8	--	1
Fluorene	ND		ug/l	4.8	--	1
Phenanthrene	ND		ug/l	4.8	--	1
Dibenzo(a,h)anthracene	ND		ug/l	4.8	--	1
Pyrene	ND		ug/l	4.8	--	1
Aniline	ND		ug/l	19	--	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	6.7	--	1
Dibenzofuran	ND		ug/l	4.8	--	1
2-Methylnaphthalene	ND		ug/l	4.8	--	1
n-Nitrosodimethylamine	ND		ug/l	48	--	1
2,4,6-Trichlorophenol	ND		ug/l	4.8	--	1
P-Chloro-M-Cresol	ND		ug/l	4.8	--	1
2-Chlorophenol	ND		ug/l	5.8	--	1
2,4-Dichlorophenol	ND		ug/l	9.6	--	1
2,4-Dimethylphenol	ND		ug/l	9.6	--	1
2-Nitrophenol	ND		ug/l	19	--	1
4-Nitrophenol	ND		ug/l	9.6	--	1
2,4-Dinitrophenol	ND		ug/l	29	--	1
4,6-Dinitro-o-cresol	ND		ug/l	19	--	1
Phenol	ND		ug/l	6.7	--	1
2-Methylphenol	ND		ug/l	5.8	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.8	--	1
2,4,5-Trichlorophenol	ND		ug/l	4.8	--	1
Benzyl Alcohol	ND		ug/l	9.6	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	21		21-120
Phenol-d6	15		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	59		15-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-04	Date Collected:	07/20/10 10:24
Client ID:	DUP(MW03BR)	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Tribromophenol	73		10-120			
4-Terphenyl-d14	92		33-120			

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1010950
Report Date: 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-04	Date Collected:	07/20/10 10:24
Client ID:	DUP(MW03BR)	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/23/10 11:26
Analytical Date:	07/24/10 21:23		
Analyst:	HL		

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	16		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	**126**	Q	33-120

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1010950
Report Date: 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-05	Date Collected:	07/20/10 11:09
Client ID:	MW3S	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/27/10 05:07
Analytical Date:	07/27/10 12:25		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	5.0	--	1
Benzidine	ND		ug/l	50	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	5.0	--	1
2-Chloronaphthalene	ND		ug/l	6.0	--	1
1,2-Dichlorobenzene	ND		ug/l	5.0	--	1
1,3-Dichlorobenzene	ND		ug/l	5.0	--	1
1,4-Dichlorobenzene	ND		ug/l	5.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	50	--	1
2,4-Dinitrotoluene	ND		ug/l	6.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	5.0	--	1
Fluoranthene	ND		ug/l	5.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	5.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	5.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	5.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	30	--	1
Hexachloroethane	ND		ug/l	5.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	5.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	5.0	--	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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-05	Date Collected:	07/20/10 11:09
Client ID:	MW3S	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/l	5.0	--	1
Acenaphthylene	ND		ug/l	5.0	--	1
Anthracene	ND		ug/l	5.0	--	1
Benzo(ghi)perylene	ND		ug/l	5.0	--	1
Fluorene	ND		ug/l	5.0	--	1
Phenanthrene	ND		ug/l	5.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	5.0	--	1
Pyrene	ND		ug/l	5.0	--	1
Aniline	ND		ug/l	20	--	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	7.0	--	1
Dibenzofuran	ND		ug/l	5.0	--	1
2-Methylnaphthalene	ND		ug/l	5.0	--	1
n-Nitrosodimethylamine	ND		ug/l	50	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	5.0	--	1
2-Chlorophenol	ND		ug/l	6.0	--	1
2,4-Dichlorophenol	ND		ug/l	10	--	1
2,4-Dimethylphenol	ND		ug/l	10	--	1
2-Nitrophenol	ND		ug/l	20	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	30	--	1
4,6-Dinitro-o-cresol	ND		ug/l	20	--	1
Phenol	ND		ug/l	7.0	--	1
2-Methylphenol	ND		ug/l	6.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	6.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	10	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	79		15-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-05	Date Collected:	07/20/10 11:09
Client ID:	MW3S	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Tribromophenol	102		10-120			
4-Terphenyl-d14	108		33-120			

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1010950
Report Date: 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-05	Date Collected:	07/20/10 11:09
Client ID:	MW3S	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/27/10 05:13
Analytical Date:	07/27/10 15:01		
Analyst:	HL		

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	59		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	107		10-120
4-Terphenyl-d14	**143**	Q	33-120

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

Lab Number: L1010950
Report Date: 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-06	Date Collected:	07/20/10 12:05
Client ID:	MW12S	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/23/10 11:23
Analytical Date:	07/24/10 18:18		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	4.8	--	1
Benzidine	ND		ug/l	48	--	1
1,2,4-Trichlorobenzene	ND		ug/l	4.8	--	1
Bis(2-chloroethyl)ether	ND		ug/l	4.8	--	1
2-Chloronaphthalene	ND		ug/l	5.8	--	1
1,2-Dichlorobenzene	ND		ug/l	4.8	--	1
1,3-Dichlorobenzene	ND		ug/l	4.8	--	1
1,4-Dichlorobenzene	ND		ug/l	4.8	--	1
3,3'-Dichlorobenzidine	ND		ug/l	48	--	1
2,4-Dinitrotoluene	ND		ug/l	5.8	--	1
2,6-Dinitrotoluene	ND		ug/l	4.8	--	1
Azobenzene	ND		ug/l	4.8	--	1
Fluoranthene	ND		ug/l	4.8	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	4.8	--	1
4-Bromophenyl phenyl ether	ND		ug/l	4.8	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	4.8	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	4.8	--	1
Hexachlorocyclopentadiene	ND		ug/l	29	--	1
Hexachloroethane	ND		ug/l	4.8	--	1
Isophorone	ND		ug/l	4.8	--	1
Naphthalene	ND		ug/l	4.8	--	1
Nitrobenzene	ND		ug/l	4.8	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	14	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	4.8	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	4.8	--	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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-06	Date Collected:	07/20/10 12:05
Client ID:	MW12S	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/l	4.8	--	1
Acenaphthylene	ND		ug/l	4.8	--	1
Anthracene	ND		ug/l	4.8	--	1
Benzo(ghi)perylene	ND		ug/l	4.8	--	1
Fluorene	ND		ug/l	4.8	--	1
Phenanthrene	ND		ug/l	4.8	--	1
Dibenzo(a,h)anthracene	ND		ug/l	4.8	--	1
Pyrene	ND		ug/l	4.8	--	1
Aniline	ND		ug/l	19	--	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	6.8	--	1
Dibenzofuran	ND		ug/l	4.8	--	1
2-Methylnaphthalene	ND		ug/l	4.8	--	1
n-Nitrosodimethylamine	ND		ug/l	48	--	1
2,4,6-Trichlorophenol	ND		ug/l	4.8	--	1
P-Chloro-M-Cresol	ND		ug/l	4.8	--	1
2-Chlorophenol	ND		ug/l	5.8	--	1
2,4-Dichlorophenol	ND		ug/l	9.7	--	1
2,4-Dimethylphenol	ND		ug/l	9.7	--	1
2-Nitrophenol	ND		ug/l	19	--	1
4-Nitrophenol	ND		ug/l	9.7	--	1
2,4-Dinitrophenol	ND		ug/l	29	--	1
4,6-Dinitro-o-cresol	ND		ug/l	19	--	1
Phenol	ND		ug/l	6.8	--	1
2-Methylphenol	ND		ug/l	5.8	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.8	--	1
2,4,5-Trichlorophenol	ND		ug/l	4.8	--	1
Benzyl Alcohol	ND		ug/l	9.7	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	21		21-120
Phenol-d6	11		10-120
Nitrobenzene-d5	44		23-120
2-Fluorobiphenyl	40		15-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-06	Date Collected:	07/20/10 12:05
Client ID:	MW12S	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Tribromophenol	53		10-120			
4-Terphenyl-d14	61		33-120			

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1010950
Report Date: 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-06	Date Collected:	07/20/10 12:05
Client ID:	MW12S	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/23/10 11:26
Analytical Date:	07/24/10 22:26		
Analyst:	HL		

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	0.78	--	1
Hexachlorobenzene	ND		ug/l	0.78	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	23		21-120
Phenol-d6	14		10-120
Nitrobenzene-d5	46		23-120
2-Fluorobiphenyl	42		15-120
2,4,6-Tribromophenol	65		10-120
4-Terphenyl-d14	81		33-120

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

Lab Number: L1010950
Report Date: 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-07	Date Collected:	07/20/10 12:43
Client ID:	MW12DO	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/23/10 11:23
Analytical Date:	07/24/10 18:43		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	4.8	--	1
Benzidine	ND		ug/l	48	--	1
1,2,4-Trichlorobenzene	ND		ug/l	4.8	--	1
Bis(2-chloroethyl)ether	ND		ug/l	4.8	--	1
2-Chloronaphthalene	ND		ug/l	5.8	--	1
1,2-Dichlorobenzene	ND		ug/l	4.8	--	1
1,3-Dichlorobenzene	ND		ug/l	4.8	--	1
1,4-Dichlorobenzene	ND		ug/l	4.8	--	1
3,3'-Dichlorobenzidine	ND		ug/l	48	--	1
2,4-Dinitrotoluene	ND		ug/l	5.8	--	1
2,6-Dinitrotoluene	ND		ug/l	4.8	--	1
Azobenzene	ND		ug/l	4.8	--	1
Fluoranthene	ND		ug/l	4.8	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	4.8	--	1
4-Bromophenyl phenyl ether	ND		ug/l	4.8	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	4.8	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	4.8	--	1
Hexachlorocyclopentadiene	ND		ug/l	29	--	1
Hexachloroethane	ND		ug/l	4.8	--	1
Isophorone	ND		ug/l	4.8	--	1
Naphthalene	ND		ug/l	4.8	--	1
Nitrobenzene	ND		ug/l	4.8	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	14	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	4.8	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	4.8	--	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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-07	Date Collected:	07/20/10 12:43
Client ID:	MW12DO	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/l	4.8	--	1
Acenaphthylene	ND		ug/l	4.8	--	1
Anthracene	ND		ug/l	4.8	--	1
Benzo(ghi)perylene	ND		ug/l	4.8	--	1
Fluorene	ND		ug/l	4.8	--	1
Phenanthrene	ND		ug/l	4.8	--	1
Dibenzo(a,h)anthracene	ND		ug/l	4.8	--	1
Pyrene	ND		ug/l	4.8	--	1
Aniline	ND		ug/l	19	--	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	6.8	--	1
Dibenzofuran	ND		ug/l	4.8	--	1
2-Methylnaphthalene	ND		ug/l	4.8	--	1
n-Nitrosodimethylamine	ND		ug/l	48	--	1
2,4,6-Trichlorophenol	ND		ug/l	4.8	--	1
P-Chloro-M-Cresol	ND		ug/l	4.8	--	1
2-Chlorophenol	ND		ug/l	5.8	--	1
2,4-Dichlorophenol	ND		ug/l	9.7	--	1
2,4-Dimethylphenol	ND		ug/l	9.7	--	1
2-Nitrophenol	ND		ug/l	19	--	1
4-Nitrophenol	ND		ug/l	9.7	--	1
2,4-Dinitrophenol	ND		ug/l	29	--	1
4,6-Dinitro-o-cresol	ND		ug/l	19	--	1
Phenol	ND		ug/l	6.8	--	1
2-Methylphenol	ND		ug/l	5.8	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.8	--	1
2,4,5-Trichlorophenol	ND		ug/l	4.8	--	1
Benzyl Alcohol	ND		ug/l	9.7	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**18**	Q	21-120
Phenol-d6	11		10-120
Nitrobenzene-d5	41		23-120
2-Fluorobiphenyl	37		15-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-07	Date Collected:	07/20/10 12:43
Client ID:	MW12DO	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Tribromophenol	45		10-120			
4-Terphenyl-d14	62		33-120			

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1010950
Report Date: 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-07	Date Collected:	07/20/10 12:43
Client ID:	MW12DO	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/23/10 11:26
Analytical Date:	07/24/10 22:58		
Analyst:	HL		

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	0.78	--	1
Hexachlorobenzene	ND		ug/l	0.78	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	21		21-120
Phenol-d6	12		10-120
Nitrobenzene-d5	44		23-120
2-Fluorobiphenyl	36		15-120
2,4,6-Tribromophenol	59		10-120
4-Terphenyl-d14	80		33-120

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

Lab Number: L1010950
Report Date: 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-07	RE	Date Collected:	07/20/10 12:43
Client ID:	MW12DO		Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI		Field Prep:	Not Specified
Matrix:	Water		Extraction Method:	EPA 3510C
Analytical Method:	1,8270C		Extraction Date:	07/28/10 00:48
Analytical Date:	07/28/10 09:50			
Analyst:	JB			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	4.9	--	1
Benzidine	ND		ug/l	49	--	1
1,2,4-Trichlorobenzene	ND		ug/l	4.9	--	1
Bis(2-chloroethyl)ether	ND		ug/l	4.9	--	1
2-Chloronaphthalene	ND		ug/l	5.9	--	1
1,2-Dichlorobenzene	ND		ug/l	4.9	--	1
1,3-Dichlorobenzene	ND		ug/l	4.9	--	1
1,4-Dichlorobenzene	ND		ug/l	4.9	--	1
3,3'-Dichlorobenzidine	ND		ug/l	49	--	1
2,4-Dinitrotoluene	ND		ug/l	5.9	--	1
2,6-Dinitrotoluene	ND		ug/l	4.9	--	1
Azobenzene	ND		ug/l	4.9	--	1
Fluoranthene	ND		ug/l	4.9	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	4.9	--	1
4-Bromophenyl phenyl ether	ND		ug/l	4.9	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	4.9	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	4.9	--	1
Hexachlorocyclopentadiene	ND		ug/l	29	--	1
Hexachloroethane	ND		ug/l	4.9	--	1
Isophorone	ND		ug/l	4.9	--	1
Naphthalene	ND		ug/l	4.9	--	1
Nitrobenzene	ND		ug/l	4.9	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	4.9	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	4.9	--	1
Butyl benzyl phthalate	ND		ug/l	4.9	--	1
Di-n-butylphthalate	ND		ug/l	4.9	--	1
Di-n-octylphthalate	ND		ug/l	4.9	--	1
Diethyl phthalate	ND		ug/l	4.9	--	1
Dimethyl phthalate	ND		ug/l	4.9	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID: L1010950-07 RE Date Collected: 07/20/10 12:43

Client ID: MW12DO Date Received: 07/20/10

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/l	4.9	--	1
Acenaphthylene	ND		ug/l	4.9	--	1
Anthracene	ND		ug/l	4.9	--	1
Benzo(ghi)perylene	ND		ug/l	4.9	--	1
Fluorene	ND		ug/l	4.9	--	1
Phenanthrene	ND		ug/l	4.9	--	1
Dibenzo(a,h)anthracene	ND		ug/l	4.9	--	1
Pyrene	ND		ug/l	4.9	--	1
Aniline	ND		ug/l	20	--	1
4-Chloroaniline	ND		ug/l	4.9	--	1
2-Nitroaniline	ND		ug/l	4.9	--	1
3-Nitroaniline	ND		ug/l	4.9	--	1
4-Nitroaniline	ND		ug/l	6.8	--	1
Dibenzofuran	ND		ug/l	4.9	--	1
2-Methylnaphthalene	ND		ug/l	4.9	--	1
n-Nitrosodimethylamine	ND		ug/l	49	--	1
2,4,6-Trichlorophenol	ND		ug/l	4.9	--	1
P-Chloro-M-Cresol	ND		ug/l	4.9	--	1
2-Chlorophenol	ND		ug/l	5.9	--	1
2,4-Dichlorophenol	ND		ug/l	9.8	--	1
2,4-Dimethylphenol	ND		ug/l	9.8	--	1
2-Nitrophenol	ND		ug/l	20	--	1
4-Nitrophenol	ND		ug/l	9.8	--	1
2,4-Dinitrophenol	ND		ug/l	29	--	1
4,6-Dinitro-o-cresol	ND		ug/l	20	--	1
Phenol	ND		ug/l	6.8	--	1
2-Methylphenol	ND		ug/l	5.9	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.9	--	1
2,4,5-Trichlorophenol	ND		ug/l	4.9	--	1
Benzyl Alcohol	ND		ug/l	9.8	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	28		21-120
Phenol-d6	17		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	55		15-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-07	RE	Date Collected:	07/20/10 12:43
Client ID:	MW12DO		Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Tribromophenol	63		10-120			
4-Terphenyl-d14	69		33-120			

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

Lab Number: L1010950
Report Date: 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-08	Date Collected:	07/20/10 14:34
Client ID:	MW13S	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/23/10 11:23
Analytical Date:	07/26/10 15:15		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	4.8	--	1
Benzidine	ND		ug/l	48	--	1
1,2,4-Trichlorobenzene	ND		ug/l	4.8	--	1
Bis(2-chloroethyl)ether	ND		ug/l	4.8	--	1
2-Chloronaphthalene	ND		ug/l	5.8	--	1
1,2-Dichlorobenzene	ND		ug/l	4.8	--	1
1,3-Dichlorobenzene	ND		ug/l	4.8	--	1
1,4-Dichlorobenzene	ND		ug/l	4.8	--	1
3,3'-Dichlorobenzidine	ND		ug/l	48	--	1
2,4-Dinitrotoluene	ND		ug/l	5.8	--	1
2,6-Dinitrotoluene	ND		ug/l	4.8	--	1
Azobenzene	ND		ug/l	4.8	--	1
Fluoranthene	ND		ug/l	4.8	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	4.8	--	1
4-Bromophenyl phenyl ether	ND		ug/l	4.8	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	4.8	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	4.8	--	1
Hexachlorocyclopentadiene	ND		ug/l	29	--	1
Hexachloroethane	ND		ug/l	4.8	--	1
Isophorone	ND		ug/l	4.8	--	1
Naphthalene	ND		ug/l	4.8	--	1
Nitrobenzene	ND		ug/l	4.8	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	14	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	4.8	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	4.8	--	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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-08	Date Collected:	07/20/10 14:34
Client ID:	MW13S	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/l	4.8	--	1
Acenaphthylene	ND		ug/l	4.8	--	1
Anthracene	ND		ug/l	4.8	--	1
Benzo(ghi)perylene	ND		ug/l	4.8	--	1
Fluorene	ND		ug/l	4.8	--	1
Phenanthrene	ND		ug/l	4.8	--	1
Dibenzo(a,h)anthracene	ND		ug/l	4.8	--	1
Pyrene	ND		ug/l	4.8	--	1
Aniline	ND		ug/l	19	--	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	6.8	--	1
Dibenzofuran	ND		ug/l	4.8	--	1
2-Methylnaphthalene	ND		ug/l	4.8	--	1
n-Nitrosodimethylamine	ND		ug/l	48	--	1
2,4,6-Trichlorophenol	ND		ug/l	4.8	--	1
P-Chloro-M-Cresol	ND		ug/l	4.8	--	1
2-Chlorophenol	ND		ug/l	5.8	--	1
2,4-Dichlorophenol	ND		ug/l	9.7	--	1
2,4-Dimethylphenol	ND		ug/l	9.7	--	1
2-Nitrophenol	ND		ug/l	19	--	1
4-Nitrophenol	ND		ug/l	9.7	--	1
2,4-Dinitrophenol	ND		ug/l	29	--	1
4,6-Dinitro-o-cresol	ND		ug/l	19	--	1
Phenol	ND		ug/l	6.8	--	1
2-Methylphenol	ND		ug/l	5.8	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.8	--	1
2,4,5-Trichlorophenol	ND		ug/l	4.8	--	1
Benzyl Alcohol	ND		ug/l	9.7	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	28		21-120
Phenol-d6	16		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	57		15-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-08	Date Collected:	07/20/10 14:34
Client ID:	MW13S	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Tribromophenol	73		10-120			
4-Terphenyl-d14	85		33-120			

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1010950
Report Date: 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-08	Date Collected:	07/20/10 14:34
Client ID:	MW13S	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/23/10 11:26
Analytical Date:	07/24/10 23:29		
Analyst:	HL		

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	0.78	--	1
Hexachlorobenzene	ND		ug/l	0.78	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	29		21-120
Phenol-d6	17		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	61		15-120
2,4,6-Tribromophenol	87		10-120
4-Terphenyl-d14	115		33-120

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

Lab Number: L1010950
Report Date: 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-09	Date Collected:	07/20/10 14:45
Client ID:	FIELD BLANK	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/23/10 11:23
Analytical Date:	07/24/10 19:33		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	4.9	--	1
Benzidine	ND		ug/l	49	--	1
1,2,4-Trichlorobenzene	ND		ug/l	4.9	--	1
Bis(2-chloroethyl)ether	ND		ug/l	4.9	--	1
2-Chloronaphthalene	ND		ug/l	5.9	--	1
1,2-Dichlorobenzene	ND		ug/l	4.9	--	1
1,3-Dichlorobenzene	ND		ug/l	4.9	--	1
1,4-Dichlorobenzene	ND		ug/l	4.9	--	1
3,3'-Dichlorobenzidine	ND		ug/l	49	--	1
2,4-Dinitrotoluene	ND		ug/l	5.9	--	1
2,6-Dinitrotoluene	ND		ug/l	4.9	--	1
Azobenzene	ND		ug/l	4.9	--	1
Fluoranthene	ND		ug/l	4.9	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	4.9	--	1
4-Bromophenyl phenyl ether	ND		ug/l	4.9	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	4.9	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	4.9	--	1
Hexachlorocyclopentadiene	ND		ug/l	29	--	1
Hexachloroethane	ND		ug/l	4.9	--	1
Isophorone	ND		ug/l	4.9	--	1
Naphthalene	ND		ug/l	4.9	--	1
Nitrobenzene	ND		ug/l	4.9	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	4.9	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	4.9	--	1
Butyl benzyl phthalate	ND		ug/l	4.9	--	1
Di-n-butylphthalate	ND		ug/l	4.9	--	1
Di-n-octylphthalate	ND		ug/l	4.9	--	1
Diethyl phthalate	ND		ug/l	4.9	--	1
Dimethyl phthalate	ND		ug/l	4.9	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-09	Date Collected:	07/20/10 14:45
Client ID:	FIELD BLANK	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/l	4.9	--	1
Acenaphthylene	ND		ug/l	4.9	--	1
Anthracene	ND		ug/l	4.9	--	1
Benzo(ghi)perylene	ND		ug/l	4.9	--	1
Fluorene	ND		ug/l	4.9	--	1
Phenanthrene	ND		ug/l	4.9	--	1
Dibenzo(a,h)anthracene	ND		ug/l	4.9	--	1
Pyrene	ND		ug/l	4.9	--	1
Aniline	ND		ug/l	20	--	1
4-Chloroaniline	ND		ug/l	4.9	--	1
2-Nitroaniline	ND		ug/l	4.9	--	1
3-Nitroaniline	ND		ug/l	4.9	--	1
4-Nitroaniline	ND		ug/l	6.8	--	1
Dibenzofuran	ND		ug/l	4.9	--	1
2-Methylnaphthalene	ND		ug/l	4.9	--	1
n-Nitrosodimethylamine	ND		ug/l	49	--	1
2,4,6-Trichlorophenol	ND		ug/l	4.9	--	1
P-Chloro-M-Cresol	ND		ug/l	4.9	--	1
2-Chlorophenol	ND		ug/l	5.9	--	1
2,4-Dichlorophenol	ND		ug/l	9.8	--	1
2,4-Dimethylphenol	ND		ug/l	9.8	--	1
2-Nitrophenol	ND		ug/l	20	--	1
4-Nitrophenol	ND		ug/l	9.8	--	1
2,4-Dinitrophenol	ND		ug/l	29	--	1
4,6-Dinitro-o-cresol	ND		ug/l	20	--	1
Phenol	ND		ug/l	6.8	--	1
2-Methylphenol	ND		ug/l	5.9	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.9	--	1
2,4,5-Trichlorophenol	ND		ug/l	4.9	--	1
Benzyl Alcohol	ND		ug/l	9.8	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	26		21-120
Phenol-d6	15		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	66		15-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-09	Date Collected:	07/20/10 14:45
Client ID:	FIELD BLANK	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Tribromophenol	74		10-120			
4-Terphenyl-d14	87		33-120			

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1010950
Report Date: 07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-09	Date Collected:	07/20/10 14:45
Client ID:	FIELD BLANK	Date Received:	07/20/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/23/10 11:26
Analytical Date:	07/25/10 10:17		
Analyst:	HL		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.49	--	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	0.78	--	1
Hexachlorobenzene	ND		ug/l	0.78	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	27		21-120
Phenol-d6	16		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	102		33-120

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

Lab Number: L1010950
Report Date: 07/31/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 07/24/10 14:08
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 07/23/10 11:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,06-09 Batch: WG424161-1					
Acenaphthene	ND		ug/l	5.0	--
Benzidine	ND		ug/l	50	--
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--
Bis(2-chloroethyl)ether	ND		ug/l	5.0	--
2-Chloronaphthalene	ND		ug/l	6.0	--
1,2-Dichlorobenzene	ND		ug/l	5.0	--
1,3-Dichlorobenzene	ND		ug/l	5.0	--
1,4-Dichlorobenzene	ND		ug/l	5.0	--
3,3'-Dichlorobenzidine	ND		ug/l	50	--
2,4-Dinitrotoluene	ND		ug/l	6.0	--
2,6-Dinitrotoluene	ND		ug/l	5.0	--
Azobenzene	ND		ug/l	5.0	--
Fluoranthene	ND		ug/l	5.0	--
4-Chlorophenyl phenyl ether	ND		ug/l	5.0	--
4-Bromophenyl phenyl ether	ND		ug/l	5.0	--
Bis(2-chloroisopropyl)ether	ND		ug/l	5.0	--
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--
Hexachlorocyclopentadiene	ND		ug/l	30	--
Hexachloroethane	ND		ug/l	5.0	--
Isophorone	ND		ug/l	5.0	--
Naphthalene	ND		ug/l	5.0	--
Nitrobenzene	ND		ug/l	5.0	--
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--
Bis(2-Ethylhexyl)phthalate	ND		ug/l	5.0	--
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: JI-1747

Lab Number: L1010950
Report Date: 07/31/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 07/24/10 14:08
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 07/23/10 11:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,06-09 Batch: WG424161-1					
Chrysene	ND		ug/l	5.0	--
Acenaphthylene	ND		ug/l	5.0	--
Anthracene	ND		ug/l	5.0	--
Benzo(ghi)perylene	ND		ug/l	5.0	--
Fluorene	ND		ug/l	5.0	--
Phenanthrene	ND		ug/l	5.0	--
Dibenzo(a,h)anthracene	ND		ug/l	5.0	--
Pyrene	ND		ug/l	5.0	--
Aniline	ND		ug/l	20	--
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	7.0	--
Dibenzofuran	ND		ug/l	5.0	--
2-Methylnaphthalene	ND		ug/l	5.0	--
n-Nitrosodimethylamine	ND		ug/l	50	--
2,4,6-Trichlorophenol	ND		ug/l	5.0	--
P-Chloro-M-Cresol	ND		ug/l	5.0	--
2-Chlorophenol	ND		ug/l	6.0	--
2,4-Dichlorophenol	ND		ug/l	10	--
2,4-Dimethylphenol	ND		ug/l	10	--
2-Nitrophenol	ND		ug/l	20	--
4-Nitrophenol	ND		ug/l	10	--
2,4-Dinitrophenol	ND		ug/l	30	--
4,6-Dinitro-o-cresol	ND		ug/l	20	--
Phenol	ND		ug/l	7.0	--
2-Methylphenol	ND		ug/l	6.0	--
3-Methylphenol/4-Methylphenol	ND		ug/l	6.0	--
2,4,5-Trichlorophenol	ND		ug/l	5.0	--
Benzyl Alcohol	ND		ug/l	10	--

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

Lab Number: L1010950
Report Date: 07/31/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 07/24/10 14:08
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 07/23/10 11:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,06-09 Batch: WG424161-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**20**	Q	21-120
Phenol-d6	12		10-120
Nitrobenzene-d5	43		23-120
2-Fluorobiphenyl	44		15-120
2,4,6-Tribromophenol	57		10-120
4-Terphenyl-d14	74		33-120

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

Lab Number: L1010950
Report Date: 07/31/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C-SIM
Analytical Date: 07/25/10 07:38
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 07/23/10 11:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-04,06-09 Batch: WG424163-1					
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	**19**	Q	21-120
Phenol-d6	11		10-120
Nitrobenzene-d5	40		23-120
2-Fluorobiphenyl	36		15-120
2,4,6-Tribromophenol	59		10-120
4-Terphenyl-d14	86		33-120

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

Lab Number: L1010950
Report Date: 07/31/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 07/27/10 11:10
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 07/27/10 05:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG424556-1					
Acenaphthene	ND		ug/l	5.0	--
Benzidine	ND		ug/l	50	--
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--
Bis(2-chloroethyl)ether	ND		ug/l	5.0	--
2-Chloronaphthalene	ND		ug/l	6.0	--
1,2-Dichlorobenzene	ND		ug/l	5.0	--
1,3-Dichlorobenzene	ND		ug/l	5.0	--
1,4-Dichlorobenzene	ND		ug/l	5.0	--
3,3'-Dichlorobenzidine	ND		ug/l	50	--
2,4-Dinitrotoluene	ND		ug/l	6.0	--
2,6-Dinitrotoluene	ND		ug/l	5.0	--
Azobenzene	ND		ug/l	5.0	--
Fluoranthene	ND		ug/l	5.0	--
4-Chlorophenyl phenyl ether	ND		ug/l	5.0	--
4-Bromophenyl phenyl ether	ND		ug/l	5.0	--
Bis(2-chloroisopropyl)ether	ND		ug/l	5.0	--
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--
Hexachlorocyclopentadiene	ND		ug/l	30	--
Hexachloroethane	ND		ug/l	5.0	--
Isophorone	ND		ug/l	5.0	--
Naphthalene	ND		ug/l	5.0	--
Nitrobenzene	ND		ug/l	5.0	--
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--
Bis(2-Ethylhexyl)phthalate	ND		ug/l	5.0	--
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	5.0	--

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

Lab Number: L1010950
Report Date: 07/31/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 07/27/10 11:10
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 07/27/10 05:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG424556-1					
Acenaphthylene	ND		ug/l	5.0	--
Anthracene	ND		ug/l	5.0	--
Benzo(ghi)perylene	ND		ug/l	5.0	--
Fluorene	ND		ug/l	5.0	--
Phenanthrene	ND		ug/l	5.0	--
Dibenzo(a,h)anthracene	ND		ug/l	5.0	--
Pyrene	ND		ug/l	5.0	--
Aniline	ND		ug/l	20	--
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	7.0	--
Dibenzofuran	ND		ug/l	5.0	--
2-Methylnaphthalene	ND		ug/l	5.0	--
n-Nitrosodimethylamine	ND		ug/l	50	--
2,4,6-Trichlorophenol	ND		ug/l	5.0	--
P-Chloro-M-Cresol	ND		ug/l	5.0	--
2-Chlorophenol	ND		ug/l	6.0	--
2,4-Dichlorophenol	ND		ug/l	10	--
2,4-Dimethylphenol	ND		ug/l	10	--
2-Nitrophenol	ND		ug/l	20	--
4-Nitrophenol	ND		ug/l	10	--
2,4-Dinitrophenol	ND		ug/l	30	--
4,6-Dinitro-o-cresol	ND		ug/l	20	--
Phenol	ND		ug/l	7.0	--
2-Methylphenol	ND		ug/l	6.0	--
3-Methylphenol/4-Methylphenol	ND		ug/l	6.0	--
2,4,5-Trichlorophenol	ND		ug/l	5.0	--
Benzyl Alcohol	ND		ug/l	10	--

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

Lab Number: L1010950
Report Date: 07/31/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 07/27/10 11:10
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 07/27/10 05:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG424556-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	104		23-120
2-Fluorobiphenyl	104		15-120
2,4,6-Tribromophenol	120		10-120
4-Terphenyl-d14	**138**	Q	33-120

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

Lab Number: L1010950
Report Date: 07/31/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C-SIM
Analytical Date: 07/27/10 12:56
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 07/27/10 05:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 05 Batch: WG424559-1					
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	78		21-120
Phenol-d6	41		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	99		15-120
2,4,6-Tribromophenol	108		10-120
4-Terphenyl-d14	**157**	Q	33-120

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1010950
Report Date: 07/31/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06-09 Batch: WG424161-2 WG424161-3								
Acenaphthene	68		72		37-111	6		30
1,2,4-Trichlorobenzene	51		52		39-98	2		30
1,4-Dichlorobenzene	48		51		36-97	6		30
2,4-Dinitrotoluene	**97**	Q	91		24-96	6		30
n-Nitrosodi-n-propylamine	63		62		41-116	2		30
Pyrene	88		92		26-127	4		30
P-Chloro-M-Cresol	82		73		23-97	12		30
2-Chlorophenol	61		50		27-123	20		30
4-Nitrophenol	50		37		10-80	30		30
Pentachlorophenol	76		81		9-103	6		30
Phenol	23		16		12-110	**36**	Q	30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	35		25		21-120
Phenol-d6	22		15		10-120
Nitrobenzene-d5	63		61		23-120
2-Fluorobiphenyl	70		68		15-120
2,4,6-Tribromophenol	87		87		10-120
4-Terphenyl-d14	92		91		33-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1010950
Report Date: 07/31/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04,06-09 Batch: WG424163-2 WG424163-3								
Pentachlorophenol	75		67		9-103	11		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	20	Q	21		21-120
Phenol-d6	12		12		10-120
Nitrobenzene-d5	45		50		23-120
2-Fluorobiphenyl	50		52		15-120
2,4,6-Tribromophenol	73		72		10-120
4-Terphenyl-d14	86		86		33-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1010950
Report Date: 07/31/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG424556-2 WG424556-3								
Acenaphthene	83		93		37-111	11		30
1,2,4-Trichlorobenzene	69		82		39-98	17		30
1,4-Dichlorobenzene	63		80		36-97	24		30
2,4-Dinitrotoluene	94		**114**	Q	24-96	19		30
n-Nitrosodi-n-propylamine	75		90		41-116	18		30
Pyrene	93		105		26-127	12		30
P-Chloro-M-Cresol	85		**98**	Q	23-97	14		30
2-Chlorophenol	72		86		27-123	18		30
4-Nitrophenol	61		64		10-80	5		30
Pentachlorophenol	71		77		9-103	8		30
Phenol	37		40		12-110	8		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	58		67		21-120
Phenol-d6	40		43		10-120
Nitrobenzene-d5	95		104		23-120
2-Fluorobiphenyl	95		101		15-120
2,4,6-Tribromophenol	107		115		10-120
4-Terphenyl-d14	113		117		33-120

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1010950
Report Date: 07/31/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 05 Batch: WG424559-2 WG424559-3								
Pentachlorophenol	**112**	Q	**118**	Q	9-103	5		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	47		56		21-120
Phenol-d6	31		37		10-120
Nitrobenzene-d5	74		88		23-120
2-Fluorobiphenyl	77		92		15-120
2,4,6-Tribromophenol	96		102		10-120
4-Terphenyl-d14	113		129	Q	33-120

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1010950
Report Date: 07/31/10

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): 01-04,06-09 QC Batch ID: WG424161-4 WG424161-5 QC Sample: L1010950-01 Client ID: MW04S												
Acenaphthene	ND	80	47	59		50	63		37-111	7		30
1,2,4-Trichlorobenzene	ND	80	29	**36**	Q	41	51		39-98	**34**	Q	30
1,4-Dichlorobenzene	ND	80	28	**35**	Q	40	50		36-97	**35**	Q	30
2,4-Dinitrotoluene	ND	80	70	88		65	81		24-96	8		30
n-Nitrosodi-n-propylamine	ND	80	41	51		47	59		41-116	15		30
Pyrene	ND	80	66	83		62	78		26-127	6		30
P-Chloro-M-Cresol	ND	80	54	68		56	70		23-97	3		30
2-Chlorophenol	ND	80	40	50		44	55		27-123	10		30
4-Nitrophenol	ND	80	54	68		49	61		10-80	11		30
Pentachlorophenol	ND	80	62	78		56	70		9-103	11		30
Phenol	ND	80	20	25		24	30		12-110	18		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	73		78		10-120
2-Fluorobiphenyl	53		66		15-120
2-Fluorophenol	34		43		21-120
4-Terphenyl-d14	84		84		33-120
Nitrobenzene-d5	50		59		23-120
Phenol-d6	24		33		10-120

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1010950
Report Date: 07/31/10

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): 01-04,06-09 QC Batch ID: WG424163-4 WG424163-5 QC Sample: L1010950-01 Client ID: MW04S												
Pentachlorophenol	ND	80	67	84		87	**110**	Q	9-103	27		40

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	86		117		10-120
2-Fluorobiphenyl	48		73		15-120
2-Fluorophenol	32		49		21-120
4-Terphenyl-d14	76		108		33-120
Nitrobenzene-d5	46		71		23-120
Phenol-d6	23		37		10-120

METALS

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1010950
Project Number:	JI-1747	**Report Date:**	07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-01	Date Collected:	07/20/10 08:35
Client ID:	MW04S	Date Received:	07/20/10
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	07/21/10 12:15	07/23/10 22:03	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:03	EPA 3005A	1,6020	BM
Arsenic, Total	0.0010		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:03	EPA 3005A	1,6020	BM
Barium, Total	0.0177		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:03	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:03	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:03	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:03	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:03	EPA 3005A	1,6020	BM
Manganese, Total	2.850		mg/l	0.0010	--	1	07/21/10 12:15	07/23/10 22:03	EPA 3005A	1,6020	BM
Sodium, Total	6.5		mg/l	2.0	--	1	07/21/10 12:15	07/22/10 17:19	EPA 3005A	1,6010B	TD
Thallium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:03	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:03	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	--	1	07/21/10 12:15	07/23/10 22:03	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1010950
Project Number:	JI-1747	**Report Date:**	07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-02	Date Collected:	07/20/10 09:28
Client ID:	MW04DO	Date Received:	07/20/10
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	07/21/10 12:15	07/23/10 22:28	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:28	EPA 3005A	1,6020	BM
Arsenic, Total	0.0010		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:28	EPA 3005A	1,6020	BM
Barium, Total	0.0246		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:28	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:28	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:28	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:28	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:28	EPA 3005A	1,6020	BM
Manganese, Total	1.428		mg/l	0.0010	--	1	07/21/10 12:15	07/23/10 22:28	EPA 3005A	1,6020	BM
Sodium, Total	10		mg/l	2.0	--	1	07/21/10 12:15	07/22/10 17:32	EPA 3005A	1,6010B	TD
Thallium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:28	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:28	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	--	1	07/21/10 12:15	07/23/10 22:28	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1010950
Project Number:	JI-1747	**Report Date:**	07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-03	Date Collected:	07/20/10 10:24
Client ID:	MW03BR	Date Received:	07/20/10
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	07/21/10 12:15	07/23/10 22:46	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:46	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:46	EPA 3005A	1,6020	BM
Barium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:46	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:46	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:46	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:46	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:46	EPA 3005A	1,6020	BM
Manganese, Total	0.2994		mg/l	0.0010	--	1	07/21/10 12:15	07/23/10 22:46	EPA 3005A	1,6020	BM
Sodium, Total	14		mg/l	2.0	--	1	07/21/10 12:15	07/22/10 17:35	EPA 3005A	1,6010B	TD
Thallium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:46	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:46	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	--	1	07/21/10 12:15	07/23/10 22:46	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1010950
Project Number:	JI-1747	**Report Date:**	07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-04	Date Collected:	07/20/10 10:24
Client ID:	DUP(MW03BR)	Date Received:	07/20/10
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	07/21/10 12:15	07/23/10 22:52	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:52	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:52	EPA 3005A	1,6020	BM
Barium, Total	0.0005		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:52	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:52	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:52	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:52	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:52	EPA 3005A	1,6020	BM
Manganese, Total	0.3006		mg/l	0.0010	--	1	07/21/10 12:15	07/23/10 22:52	EPA 3005A	1,6020	BM
Sodium, Total	14		mg/l	2.0	--	1	07/21/10 12:15	07/22/10 17:39	EPA 3005A	1,6010B	TD
Thallium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:52	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:52	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	--	1	07/21/10 12:15	07/23/10 22:52	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1010950
Project Number:	JI-1747	**Report Date:**	07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-05	Date Collected:	07/20/10 11:09
Client ID:	MW3S	Date Received:	07/20/10
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	07/21/10 12:15	07/23/10 22:58	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:58	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:58	EPA 3005A	1,6020	BM
Barium, Total	0.0021		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:58	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:58	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:58	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:58	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:58	EPA 3005A	1,6020	BM
Manganese, Total	0.0079		mg/l	0.0010	--	1	07/21/10 12:15	07/23/10 22:58	EPA 3005A	1,6020	BM
Sodium, Total	9.8		mg/l	2.0	--	1	07/21/10 12:15	07/22/10 17:59	EPA 3005A	1,6010B	TD
Thallium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:58	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 22:58	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	--	1	07/21/10 12:15	07/23/10 22:58	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1010950
Project Number:	JI-1747	**Report Date:**	07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-06	Date Collected:	07/20/10 12:05
Client ID:	MW12S	Date Received:	07/20/10
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	0.022		mg/l	0.010	--	1	07/21/10 12:15	07/23/10 23:04	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:04	EPA 3005A	1,6020	BM
Arsenic, Total	0.0011		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:04	EPA 3005A	1,6020	BM
Barium, Total	0.0404		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:04	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:04	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:04	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:04	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:04	EPA 3005A	1,6020	BM
Manganese, Total	2.981		mg/l	0.0010	--	1	07/21/10 12:15	07/23/10 23:04	EPA 3005A	1,6020	BM
Sodium, Total	7.2		mg/l	2.0	--	1	07/21/10 12:15	07/22/10 18:02	EPA 3005A	1,6010B	TD
Thallium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:04	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:04	EPA 3005A	1,6020	BM
Zinc, Total	0.0055		mg/l	0.0050	--	1	07/21/10 12:15	07/23/10 23:04	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1010950
Project Number:	JI-1747	**Report Date:**	07/31/10

SAMPLE RESULTS

Lab ID:	L1010950-07	Date Collected:	07/20/10 12:43
Client ID:	MW12DO	Date Received:	07/20/10
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	07/21/10 12:15	07/23/10 23:10	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:10	EPA 3005A	1,6020	BM
Arsenic, Total	0.0020		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:10	EPA 3005A	1,6020	BM
Barium, Total	0.0051		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:10	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:10	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:10	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:10	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:10	EPA 3005A	1,6020	BM
Manganese, Total	3.683		mg/l	0.0010	--	1	07/21/10 12:15	07/23/10 23:10	EPA 3005A	1,6020	BM
Sodium, Total	8.6		mg/l	2.0	--	1	07/21/10 12:15	07/22/10 18:06	EPA 3005A	1,6010B	TD
Thallium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:10	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:10	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	--	1	07/21/10 12:15	07/23/10 23:10	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL
Lab Number: L1010950
Project Number: JI-1747
Report Date: 07/31/10

SAMPLE RESULTS

Lab ID: L1010950-08
Client ID: MW13S
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/20/10 14:34
Date Received: 07/20/10
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	0.286		mg/l	0.010	--	1	07/21/10 12:15	07/23/10 23:16	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:16	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:16	EPA 3005A	1,6020	BM
Barium, Total	0.00590		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:16	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:16	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:16	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:16	EPA 3005A	1,6020	BM
Lead, Total	0.0005		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:16	EPA 3005A	1,6020	BM
Manganese, Total	0.2272		mg/l	0.0010	--	1	07/21/10 12:15	07/23/10 23:16	EPA 3005A	1,6020	BM
Sodium, Total	8.3		mg/l	2.0	--	1	07/21/10 12:15	07/22/10 18:09	EPA 3005A	1,6010B	TD
Thallium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:16	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:16	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	--	1	07/21/10 12:15	07/23/10 23:16	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL
Lab Number: L1010950
Project Number: JI-1747
Report Date: 07/31/10

SAMPLE RESULTS

Lab ID: L1010950-11
Client ID: SW09
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/20/10 09:35
Date Received: 07/20/10
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	0.110		mg/l	0.010	--	1	07/21/10 12:15	07/23/10 23:22	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:22	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:22	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:22	EPA 3005A	1,6020	BM
Copper, Total	0.0028		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:22	EPA 3005A	1,6020	BM
Iron, Total	0.785		mg/l	0.050	--	1	07/21/10 12:15	07/23/10 23:22	EPA 3005A	1,6020	BM
Lead, Total	0.0014		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:22	EPA 3005A	1,6020	BM
Manganese, Total	0.0494		mg/l	0.0010	--	1	07/21/10 12:15	07/23/10 23:22	EPA 3005A	1,6020	BM
Nickel, Total	0.0010		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:22	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:22	EPA 3005A	1,6020	BM
Zinc, Total	0.0111		mg/l	0.0050	--	1	07/21/10 12:15	07/23/10 23:22	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab											
Hardness	9.9		mg/l	0.66	--	1	07/21/10 12:15	07/22/10 18:12	EPA 3005A	1,6010B	TD
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.044		mg/l	0.010	--	1	07/22/10 12:30	07/24/10 00:29	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 00:29	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 00:29	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 00:29	EPA 3005A	1,6020	BM
Copper, Dissolved	0.0041		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 00:29	EPA 3005A	1,6020	BM
Iron, Dissolved	0.241		mg/l	0.050	--	1	07/22/10 12:30	07/24/10 00:29	EPA 3005A	1,6020	BM
Lead, Dissolved	0.0006		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 00:29	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.0289		mg/l	0.0010	--	1	07/22/10 12:30	07/24/10 00:29	EPA 3005A	1,6020	BM
Nickel, Dissolved	0.0015		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 00:29	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 00:29	EPA 3005A	1,6020	BM
Zinc, Dissolved	0.0353		mg/l	0.0050	--	1	07/22/10 12:30	07/24/10 00:29	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL
Lab Number: L1010950
Project Number: JI-1747
Report Date: 07/31/10

SAMPLE RESULTS

Lab ID: L1010950-12
Client ID: DUP(SW09)
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/20/10 09:35
Date Received: 07/20/10
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	0.107		mg/l	0.010	--	1	07/21/10 12:15	07/23/10 23:28	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:28	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:28	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:28	EPA 3005A	1,6020	BM
Copper, Total	0.0037		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:28	EPA 3005A	1,6020	BM
Iron, Total	0.764		mg/l	0.050	--	1	07/21/10 12:15	07/23/10 23:28	EPA 3005A	1,6020	BM
Lead, Total	0.0014		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:28	EPA 3005A	1,6020	BM
Manganese, Total	0.0542		mg/l	0.0010	--	1	07/21/10 12:15	07/23/10 23:28	EPA 3005A	1,6020	BM
Nickel, Total	0.0011		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:28	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:28	EPA 3005A	1,6020	BM
Zinc, Total	0.0196		mg/l	0.0050	--	1	07/21/10 12:15	07/23/10 23:28	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab											
Hardness	9.7		mg/l	0.66	--	1	07/21/10 12:15	07/22/10 18:16	EPA 3005A	1,6010B	TD
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.047		mg/l	0.010	--	1	07/22/10 12:30	07/24/10 00:53	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 00:53	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 00:53	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 00:53	EPA 3005A	1,6020	BM
Copper, Dissolved	0.0044		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 00:53	EPA 3005A	1,6020	BM
Iron, Dissolved	0.260		mg/l	0.050	--	1	07/22/10 12:30	07/24/10 00:53	EPA 3005A	1,6020	BM
Lead, Dissolved	0.0007		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 00:53	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.0292		mg/l	0.0010	--	1	07/22/10 12:30	07/24/10 00:53	EPA 3005A	1,6020	BM
Nickel, Dissolved	0.0012		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 00:53	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 00:53	EPA 3005A	1,6020	BM
Zinc, Dissolved	0.0321		mg/l	0.0050	--	1	07/22/10 12:30	07/24/10 00:53	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL
Lab Number: L1010950
Project Number: JI-1747
Report Date: 07/31/10

SAMPLE RESULTS

Lab ID: L1010950-13
Client ID: SW17
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/20/10 11:00
Date Received: 07/20/10
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	0.110		mg/l	0.010	--	1	07/21/10 12:15	07/23/10 23:34	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:34	EPA 3005A	1,6020	BM
Cadmium, Total	0.0012		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:34	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:34	EPA 3005A	1,6020	BM
Copper, Total	0.0015		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:34	EPA 3005A	1,6020	BM
Iron, Total	1.02		mg/l	0.050	--	1	07/21/10 12:15	07/23/10 23:34	EPA 3005A	1,6020	BM
Lead, Total	0.0007		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:34	EPA 3005A	1,6020	BM
Manganese, Total	0.2173		mg/l	0.0010	--	1	07/21/10 12:15	07/23/10 23:34	EPA 3005A	1,6020	BM
Nickel, Total	0.0010		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:34	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:34	EPA 3005A	1,6020	BM
Zinc, Total	0.0094		mg/l	0.0050	--	1	07/21/10 12:15	07/23/10 23:34	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab											
Hardness	21		mg/l	0.66	--	1	07/21/10 12:15	07/22/10 18:19	EPA 3005A	1,6010B	TD
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.056		mg/l	0.010	--	1	07/22/10 12:30	07/24/10 01:11	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:11	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:11	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:11	EPA 3005A	1,6020	BM
Copper, Dissolved	0.0016		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:11	EPA 3005A	1,6020	BM
Iron, Dissolved	0.261		mg/l	0.050	--	1	07/22/10 12:30	07/24/10 01:11	EPA 3005A	1,6020	BM
Lead, Dissolved	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:11	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.1522		mg/l	0.0010	--	1	07/22/10 12:30	07/24/10 01:11	EPA 3005A	1,6020	BM
Nickel, Dissolved	0.0009		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:11	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:11	EPA 3005A	1,6020	BM
Zinc, Dissolved	0.0106		mg/l	0.0050	--	1	07/22/10 12:30	07/24/10 01:11	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL
Lab Number: L1010950
Project Number: JI-1747
Report Date: 07/31/10

SAMPLE RESULTS

Lab ID: L1010950-14
Client ID: SW04
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/20/10 12:48
Date Received: 07/20/10
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	0.128		mg/l	0.010	--	1	07/21/10 12:15	07/23/10 23:40	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:40	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:40	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:40	EPA 3005A	1,6020	BM
Copper, Total	0.0023		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:40	EPA 3005A	1,6020	BM
Iron, Total	0.651		mg/l	0.050	--	1	07/21/10 12:15	07/23/10 23:40	EPA 3005A	1,6020	BM
Lead, Total	0.0012		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:40	EPA 3005A	1,6020	BM
Manganese, Total	0.4681		mg/l	0.0010	--	1	07/21/10 12:15	07/23/10 23:40	EPA 3005A	1,6020	BM
Nickel, Total	0.0009		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:40	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 23:40	EPA 3005A	1,6020	BM
Zinc, Total	0.0760		mg/l	0.0050	--	1	07/21/10 12:15	07/23/10 23:40	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab											
Hardness	20		mg/l	0.66	--	1	07/21/10 12:15	07/22/10 18:23	EPA 3005A	1,6010B	TD
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.069		mg/l	0.010	--	1	07/22/10 12:30	07/24/10 01:17	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:17	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:17	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:17	EPA 3005A	1,6020	BM
Copper, Dissolved	0.0022		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:17	EPA 3005A	1,6020	BM
Iron, Dissolved	0.200		mg/l	0.050	--	1	07/22/10 12:30	07/24/10 01:17	EPA 3005A	1,6020	BM
Lead, Dissolved	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:17	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.3048		mg/l	0.0010	--	1	07/22/10 12:30	07/24/10 01:17	EPA 3005A	1,6020	BM
Nickel, Dissolved	0.0011		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:17	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:17	EPA 3005A	1,6020	BM
Zinc, Dissolved	0.0529		mg/l	0.0050	--	1	07/22/10 12:30	07/24/10 01:17	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

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): 01-08,11-14 Batch: WG423780-1										
Sodium, Total	ND		mg/l	2.0	--	1	07/21/10 12:15	07/22/10 17:12	1,6010B	TD

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): 01-08,11-14 Batch: WG423780-1										
Hardness	ND		mg/l	0.66	--	1	07/21/10 12:15	07/22/10 17:12	1,6010B	TD

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): 01-08,11-14 Batch: WG423781-1										
Aluminum, Total	ND		mg/l	0.010	--	1	07/21/10 12:15	07/23/10 20:02	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 20:02	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 20:02	1,6020	BM
Barium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 20:02	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 20:02	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 20:02	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 20:02	1,6020	BM
Copper, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 20:02	1,6020	BM
Iron, Total	ND		mg/l	0.050	--	1	07/21/10 12:15	07/23/10 20:02	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 20:02	1,6020	BM
Manganese, Total	ND		mg/l	0.0010	--	1	07/21/10 12:15	07/23/10 20:02	1,6020	BM
Nickel, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 20:02	1,6020	BM
Silver, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 20:02	1,6020	BM
Thallium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 20:02	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	07/21/10 12:15	07/23/10 20:02	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	--	1	07/21/10 12:15	07/23/10 20:02	1,6020	BM

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

Method Blank Analysis
Batch Quality Control

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): 11-14 Batch: WG423992-1										
Aluminum, Dissolved	ND		mg/l	0.010	--	1	07/22/10 12:30	07/23/10 20:20	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/23/10 20:20	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/23/10 20:20	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/23/10 20:20	1,6020	BM
Copper, Dissolved	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/23/10 20:20	1,6020	BM
Iron, Dissolved	ND		mg/l	0.050	--	1	07/22/10 12:30	07/23/10 20:20	1,6020	BM
Lead, Dissolved	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/23/10 20:20	1,6020	BM
Manganese, Dissolved	ND		mg/l	0.0010	--	1	07/22/10 12:30	07/23/10 20:20	1,6020	BM
Nickel, Dissolved	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/23/10 20:20	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/23/10 20:20	1,6020	BM
Zinc, Dissolved	ND		mg/l	0.0050	--	1	07/22/10 12:30	07/23/10 20:20	1,6020	BM

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1010950
Report Date: 07/31/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-08,11-14 Batch: WG423780-2								
Sodium, Total	97		-		80-120	-		
Total Hardness by SM 2340B - Westborough Lab Associated sample(s): 01-08,11-14 Batch: WG423780-2								
Hardness	89		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1010950
Report Date: 07/31/10

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-08,11-14 Batch: WG423781-2					
Aluminum, Total	93	-	80-120	-	
Antimony, Total	92	-	80-120	-	
Arsenic, Total	101	-	80-120	-	
Barium, Total	96	-	80-120	-	
Beryllium, Total	94	-	80-120	-	
Cadmium, Total	115	-	80-120	-	
Chromium, Total	93	-	80-120	-	
Copper, Total	100	-	80-120	-	
Iron, Total	111	-	80-120	-	
Lead, Total	101	-	80-120	-	
Manganese, Total	96	-	80-120	-	
Nickel, Total	117	-	80-120	-	
Silver, Total	96	-	80-120	-	
Thallium, Total	92	-	80-120	-	
Vanadium, Total	93	-	80-120	-	
Zinc, Total	104	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1010950
Report Date: 07/31/10

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 11-14 Batch: WG423992-2					
Aluminum, Dissolved	96	-	80-120	-	
Arsenic, Dissolved	99	-	80-120	-	
Cadmium, Dissolved	116	-	80-120	-	
Chromium, Dissolved	94	-	80-120	-	
Copper, Dissolved	100	-	80-120	-	
Iron, Dissolved	114	-	80-120	-	
Lead, Dissolved	101	-	80-120	-	
Manganese, Dissolved	96	-	80-120	-	
Nickel, Dissolved	117	-	80-120	-	
Silver, Dissolved	98	-	80-120	-	
Zinc, Dissolved	105	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1010950
Report Date: 07/31/10

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): 01-08,11-14 QC Batch ID: WG423780-3 WG423780-4 QC Sample: L1010950-01 Client ID: MW04S												
Sodium, Total	6.5	10	16	95		16	95		75-125	0		20
Total Hardness by SM 2340B - Westborough Lab Associated sample(s): 01-08,11-14 QC Batch ID: WG423780-3 WG423780-4 QC Sample: L1010950-01 Client ID: MW04S												
Hardness	17	66.2	79	94		76	89		75-125	5		20

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1010950
Report Date: 07/31/10

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): 01-08,11-14 QC Batch ID: WG423781-3 WG423781-4 QC Sample: L1010950-01 Client ID: MW04S										
Aluminum, Total	ND	2	1.85	92	1.87	94	80-120	2		20
Antimony, Total	ND	0.5	0.4314	86	0.4408	88	80-120	2		20
Arsenic, Total	0.0010	0.12	0.1211	100	0.1228	102	80-120	2		20
Barium, Total	0.0177	2	1.871	93	1.902	94	80-120	1		20
Beryllium, Total	ND	0.05	0.0470	94	0.0476	95	80-120	1		20
Cadmium, Total	ND	0.051	0.0594	116	0.0610	120	80-120	3		20
Chromium, Total	ND	0.2	0.1819	91	0.1835	92	80-120	1		20
Copper, Total	ND	0.25	0.2465	99	0.2459	98	80-120	1		20
Iron, Total	23.7	1	24.1	**40**	24.0	**30**	80-120	**29**	Q	20
Lead, Total	ND	0.51	0.4898	96	0.5029	99	80-120	3		20
Manganese, Total	2.850	0.5	3.273	85	3.313	93	80-120	9		20
Nickel, Total	0.0011	0.5	0.5783	115	0.5769	115	80-120	0		20
Silver, Total	ND	0.05	0.0460	92	0.0466	93	80-120	1		20
Thallium, Total	ND	0.12	0.1052	88	0.1077	90	80-120	2		20
Vanadium, Total	ND	0.5	0.4553	91	0.4565	91	80-120	0		20
Zinc, Total	ND	0.5	0.5015	100	0.5165	103	80-120	3		20

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1010950
Report Date: 07/31/10

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): 11-14 QC Batch ID: WG423992-4 QC Sample: L1010950-11 Client ID: SW09									
Aluminum, Dissolved	0.044	2	1.95	95	-	-	80-120	-	20
Arsenic, Dissolved	ND	0.12	0.1228	102	-	-	80-120	-	20
Cadmium, Dissolved	ND	0.051	0.0606	119	-	-	80-120	-	20
Chromium, Dissolved	ND	0.2	0.1871	94	-	-	80-120	-	20
Copper, Dissolved	0.0041	0.25	0.2552	100	-	-	80-120	-	20
Iron, Dissolved	0.241	1	1.35	111	-	-	80-120	-	20
Lead, Dissolved	0.0006	0.51	0.5087	100	-	-	80-120	-	20
Manganese, Dissolved	0.0289	0.5	0.5024	95	-	-	80-120	-	20
Nickel, Dissolved	0.0015	0.5	0.5888	117	-	-	80-120	-	20
Silver, Dissolved	ND	0.05	0.0467	93	-	-	80-120	-	20
Zinc, Dissolved	0.0353	0.5	0.5499	103	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

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

Lab Number: L1010950
Report Date: 07/31/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 11-14 QC Batch ID: WG423992-3 QC Sample: L1010950-11 Client ID: SW09						
Aluminum, Dissolved	0.044	0.045	mg/l	4		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	0.0041	0.0042	mg/l	2		20
Iron, Dissolved	0.241	0.245	mg/l	2		20
Lead, Dissolved	0.0006	0.0006	mg/l	3		20
Manganese, Dissolved	0.0289	0.0291	mg/l	1		20
Nickel, Dissolved	0.0015	0.0014	mg/l	4		20
Silver, Dissolved	ND	ND	mg/l	NC		20
Zinc, Dissolved	0.0353	0.0364	mg/l	3		20

INORGANICS
&
MISCELLANEOUS

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

Lab Number: L1010950
Report Date: 07/31/10

SAMPLE RESULTS

Lab ID: L1010950-11
Client ID: SW09
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/20/10 09:35
Date Received: 07/20/10
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	07/21/10 10:00	07/21/10 16:19	1,9010B/9012A	JO
Nitrogen, Ammonia	ND		mg/l	0.075	--	1	07/21/10 12:45	07/22/10 19:36	30,4500NH3-BH	AT
Nitrogen, Nitrate	0.35		mg/l	0.10	--	1	-	07/20/10 21:27	30,4500NO3-F	DD
Phosphorus, Total	0.035		mg/l	0.010	--	1	-	07/21/10 13:24	30,4500P-E	SD
Sulfide	ND		mg/l	0.10	--	1	07/26/10 17:00	07/26/10 18:00	1,9030B	AT
Total Organic Carbon	6.3		mg/l	0.50	--	1	-	07/23/10 08:12	1,9060	DW

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

Lab Number: L1010950
Report Date: 07/31/10

SAMPLE RESULTS

Lab ID: L1010950-12
Client ID: DUP(SW09)
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/20/10 09:35
Date Received: 07/20/10
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	07/21/10 10:00	07/21/10 16:21	1,9010B/9012A	JO
Nitrogen, Ammonia	ND		mg/l	0.075	--	1	07/21/10 12:45	07/22/10 19:38	30,4500NH3-BH	AT
Nitrogen, Nitrate	0.20		mg/l	0.10	--	1	-	07/20/10 22:00	30,4500NO3-F	DD
Phosphorus, Total	0.099		mg/l	0.010	--	1	-	07/21/10 13:25	30,4500P-E	SD
Sulfide	ND		mg/l	0.10	--	1	07/26/10 17:00	07/26/10 18:00	1,9030B	AT
Total Organic Carbon	6.3		mg/l	0.50	--	1	-	07/23/10 08:12	1,9060	DW

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

Lab Number: L1010950
Report Date: 07/31/10

SAMPLE RESULTS

Lab ID: L1010950-13
Client ID: SW17
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/20/10 11:00
Date Received: 07/20/10
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	07/21/10 10:00	07/21/10 16:22	1,9010B/9012A	JO
Nitrogen, Ammonia	0.10		mg/l	0.075	--	1	07/21/10 12:45	07/22/10 19:39	30,4500NH3-BH	AT
Nitrogen, Nitrate	1.0		mg/l	0.10	--	1	-	07/20/10 21:21	30,4500NO3-F	DD
Phosphorus, Total	0.141		mg/l	0.010	--	1	-	07/21/10 13:25	30,4500P-E	SD
Sulfide	ND		mg/l	0.10	--	1	07/26/10 17:00	07/26/10 18:00	1,9030B	AT
Total Organic Carbon	6.5		mg/l	0.50	--	1	-	07/23/10 08:12	1,9060	DW

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

Lab Number: L1010950
Report Date: 07/31/10

SAMPLE RESULTS

Lab ID: L1010950-14
Client ID: SW04
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/20/10 12:48
Date Received: 07/20/10
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	07/21/10 10:00	07/21/10 16:24	1,9010B/9012A	JO
Nitrogen, Ammonia	0.150		mg/l	0.075	--	1	07/21/10 12:45	07/22/10 19:40	30,4500NH3-BH	AT
Nitrogen, Nitrate	0.83		mg/l	0.10	--	1	-	07/20/10 21:21	30,4500NO3-F	DD
Phosphorus, Total	0.035		mg/l	0.010	--	1	-	07/21/10 13:26	30,4500P-E	SD
Sulfide	ND		mg/l	0.10	--	1	07/26/10 17:00	07/26/10 18:00	1,9030B	AT
Total Organic Carbon	6.8		mg/l	0.50	--	1	-	07/23/10 08:12	1,9060	DW

Project Name: ROSE HILL LANDFILL **Lab Number:** L1010950

Project Number: JI-1747 **Report Date:** 07/31/10

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): 11-14 Batch: WG423646-2										
Nitrogen, Nitrate	ND		mg/l	0.10	--	1	-	07/20/10 20:48	30,4500NO3-F	DD
General Chemistry - Westborough Lab for sample(s): 11-14 Batch: WG423719-2										
Cyanide, Total	ND		mg/l	0.005	--	1	07/21/10 10:00	07/21/10 16:06	1,9010B/9012A	JO
General Chemistry - Westborough Lab for sample(s): 11-14 Batch: WG423762-1										
Nitrogen, Ammonia	ND		mg/l	0.075	--	1	07/21/10 12:45	07/22/10 19:25	30,4500NH3-BH	AT
General Chemistry - Westborough Lab for sample(s): 11-14 Batch: WG423776-1										
Phosphorus, Total	ND		mg/l	0.010	--	1	-	07/21/10 13:21	30,4500P-E	SD
General Chemistry - Westborough Lab for sample(s): 11-14 Batch: WG424207-1										
Total Organic Carbon	ND		mg/l	0.50	--	1	-	07/23/10 08:12	1,9060	DW
General Chemistry - Westborough Lab for sample(s): 11-14 Batch: WG424531-1										
Sulfide	ND		mg/l	0.10	--	1	07/26/10 17:00	07/26/10 18:00	1,9030B	AT

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1010950
Report Date: 07/31/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 11-14 Batch: WG423646-1								
Nitrogen, Nitrate	100		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 11-14 Batch: WG423719-1								
Cyanide, Total	93		-		80-120	-		
General Chemistry - Westborough Lab Associated sample(s): 11-14 Batch: WG423762-2								
Nitrogen, Ammonia	96		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 11-14 Batch: WG423776-2								
Phosphorus, Total	101		-		85-115	-		
General Chemistry - Westborough Lab Associated sample(s): 11-14 Batch: WG424207-2								
Total Organic Carbon	96		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 11-14 Batch: WG424531-2								
Sulfide	87		-		75-125	-		

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1010950
Report Date: 07/31/10

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): 11-14 QC Batch ID: WG423646-3 QC Sample: L1010855-09 Client ID: MS Sample												
Nitrogen, Nitrate	0.82	4	4.8	100		-	-		83-113	-		17
General Chemistry - Westborough Lab Associated sample(s): 11-14 QC Batch ID: WG423719-3 WG423719-4 QC Sample: L1010950-11 Client ID: SW09												
Cyanide, Total	ND	0.2	0.204	102		0.199	100		80-120	2		30
General Chemistry - Westborough Lab Associated sample(s): 11-14 QC Batch ID: WG423762-3 QC Sample: L1010950-14 Client ID: SW04												
Nitrogen, Ammonia	0.150	4	3.99	96		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 11-14 QC Batch ID: WG423776-3 QC Sample: L1010976-02 Client ID: MS Sample												
Phosphorus, Total	0.013	0.5	0.595	116		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 11-14 QC Batch ID: WG424207-3 QC Sample: L1010855-09 Client ID: MS Sample												
Total Organic Carbon	4.6	4	9.1	113		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 11-14 QC Batch ID: WG424531-3 QC Sample: L1011043-08 Client ID: MS Sample												
Sulfide	ND	0.24	0.19	79		-	-		70-130	-		20

Lab Duplicate Analysis
Batch Quality Control

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

Lab Number: L1010950
Report Date: 07/31/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 11-14 QC Batch ID: WG423646-4 QC Sample: L1010855-09 Client ID: DUP Sample						
Nitrogen, Nitrate	0.82	0.81	mg/l	1		17
General Chemistry - Westborough Lab Associated sample(s): 11-14 QC Batch ID: WG423762-4 QC Sample: L1010950-11 Client ID: SW09						
Nitrogen, Ammonia	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 11-14 QC Batch ID: WG423776-4 QC Sample: L1010976-02 Client ID: DUP Sample						
Phosphorus, Total	0.013	0.011	mg/l	17		20
General Chemistry - Westborough Lab Associated sample(s): 11-14 QC Batch ID: WG424207-4 QC Sample: L1010950-11 Client ID: SW09						
Total Organic Carbon	6.3	6.4	mg/l	2		20
General Chemistry - Westborough Lab Associated sample(s): 11-14 QC Batch ID: WG424531-4 QC Sample: L1011043-08 Client ID: DUP Sample						
Sulfide	ND	ND	mg/l	NC		20

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

Lab Number: L1010950
Report Date: 07/31/10

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(*)
L1010950-01A	Vial HCl preserved	A	N/A	3.7	Y	Absent	8260(14)
L1010950-01B	Vial HCl preserved	A	N/A	3.7	Y	Absent	8260(14)
L1010950-01C	Vial HCl preserved	A	N/A	3.7	Y	Absent	8260(14)
L1010950-01D	Vial HCl preserved	A	N/A	3.7	Y	Absent	8260(14)
L1010950-01E	Vial HCl preserved	A	N/A	3.7	Y	Absent	8260(14)
L1010950-01F	Vial HCl preserved	A	N/A	3.7	Y	Absent	8260(14)
L1010950-01G	Amber 1000ml unpreserved	A	6	3.7	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1010950-01H	Amber 1000ml unpreserved	A	6	3.7	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1010950-01I	Amber 1000ml unpreserved	A	6	3.7	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1010950-01J	Amber 1000ml unpreserved	A	6	3.7	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1010950-01K	Amber 1000ml unpreserved	A	6	3.7	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1010950-01L	Amber 1000ml unpreserved	A	6	3.7	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1010950-01M	Plastic 250ml HNO3 preserved	A	<2	3.7	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)
L1010950-01N	Plastic 250ml HNO3 preserved	A	<2	3.7	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)
L1010950-01O	Plastic 250ml HNO3 preserved	A	<2	3.7	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: JI-1747

Lab Number: L1010950
Report Date: 07/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1010950-02A	Vial HCl preserved	A	N/A	3.7	Y	Absent	8260(14)
L1010950-02B	Vial HCl preserved	A	N/A	3.7	Y	Absent	8260(14)
L1010950-02C	Amber 1000ml unpreserved	A	6	3.7	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1010950-02D	Amber 1000ml unpreserved	A	6	3.7	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1010950-02E	Plastic 250ml HNO3 preserved	A	<2	3.7	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)
L1010950-03A	Vial HCl preserved	B	N/A	4.6	Y	Absent	8260(14)
L1010950-03B	Vial HCl preserved	B	N/A	4.6	Y	Absent	8260(14)
L1010950-03C	Amber 1000ml unpreserved	B	6	4.6	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1010950-03D	Amber 1000ml unpreserved	B	6	4.6	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1010950-03E	Plastic 250ml HNO3 preserved	B	<2	4.6	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)
L1010950-04A	Vial HCl preserved	B	N/A	4.6	Y	Absent	8260(14)
L1010950-04B	Vial HCl preserved	B	N/A	4.6	Y	Absent	8260(14)
L1010950-04C	Amber 1000ml unpreserved	B	6	4.6	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1010950-04D	Amber 1000ml unpreserved	B	6	4.6	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1010950-04E	Plastic 250ml HNO3 preserved	B	<2	4.6	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)
L1010950-05A	Vial HCl preserved	B	N/A	4.6	Y	Absent	8260(14)
L1010950-05B	Vial HCl preserved	B	N/A	4.6	Y	Absent	8260(14)
L1010950-05C	Amber 1000ml unpreserved	B	6	4.6	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1010950-05D	Amber 1000ml unpreserved	B	6	4.6	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1010950-05E	Plastic 250ml HNO3 preserved	B	<2	4.6	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)
L1010950-06A	Vial HCl preserved	B	N/A	4.6	Y	Absent	8260(14)
L1010950-06B	Vial HCl preserved	B	N/A	4.6	Y	Absent	8260(14)
L1010950-06C	Amber 1000ml unpreserved	B	6	4.6	Y	Absent	8270TCL(7),8270TCL-SIM(7)

*Values in parentheses indicate holding time in days

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

Lab Number: L1010950
Report Date: 07/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1010950-06D	Amber 1000ml unpreserved	B	6	4.6	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1010950-06E	Plastic 250ml HNO3 preserved	B	<2	4.6	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)
L1010950-07A	Vial HCl preserved	C	N/A	3.4	Y	Absent	8260(14)
L1010950-07B	Vial HCl preserved	C	N/A	3.4	Y	Absent	8260(14)
L1010950-07C	Amber 1000ml unpreserved	C	6	3.4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1010950-07D	Amber 1000ml unpreserved	C	6	3.4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1010950-07E	Plastic 250ml HNO3 preserved	C	<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)
L1010950-08A	Vial HCl preserved	C	N/A	3.4	Y	Absent	8260(14)
L1010950-08B	Vial HCl preserved	C	N/A	3.4	Y	Absent	8260(14)
L1010950-08C	Amber 1000ml unpreserved	C	6	3.4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1010950-08D	Amber 1000ml unpreserved	C	6	3.4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1010950-08E	Plastic 250ml HNO3 preserved	C	<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)
L1010950-09A	Vial HCl preserved	C	N/A	3.4	Y	Absent	8260(14)
L1010950-09B	Vial HCl preserved	C	N/A	3.4	Y	Absent	8260(14)
L1010950-09C	Amber 1000ml unpreserved	C	6	3.4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1010950-09D	Amber 1000ml unpreserved	C	6	3.4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1010950-10A	Vial HCl preserved	B	N/A	4.6	Y	Absent	8260(14)
L1010950-10B	Vial HCl preserved	B	N/A	4.6	Y	Absent	8260(14)
L1010950-11A	Vial H2SO4 preserved	A	N/A	3.7	Y	Absent	TOC-9060(28)
L1010950-11B	Vial H2SO4 preserved	A	N/A	3.7	Y	Absent	TOC-9060(28)
L1010950-11C	Plastic 250ml unpreserved	A	6	3.7	Y	Absent	NO3-4500(2)
L1010950-11D	Plastic 250ml NaOH preserved	A	>12	3.7	Y	Absent	TCN-9010(14)
L1010950-11E	Plastic 250ml Zn Acetate/NaOH pr	A	>12	3.7	Y	Absent	SULFIDE-9030(7)
L1010950-11F	Plastic 250ml Zn Acetate/NaOH pr	A	>12	3.7	Y	Absent	SULFIDE-9030(7)
L1010950-11G	Plastic 250ml Zn Acetate/NaOH pr	A	>12	3.7	Y	Absent	SULFIDE-9030(7)
L1010950-11H	Plastic 500ml H2SO4 preserved	A	<2	3.7	Y	Absent	TPHOS-4500(28),NH3-4500(28)

*Values in parentheses indicate holding time in days

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

Lab Number: L1010950
Report Date: 07/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1010950-11I	Plastic 250ml HNO3 preserved	A	<2	3.7	Y	Absent	HARDT(180)
L1010950-11J	Plastic 250ml HNO3 preserved	A	<2	3.7	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)
L1010950-11K	Plastic 500ml unpreserved	A	6	3.7	Y	Absent	-
L1010950-11L	Plastic 250ml HNO3 preserved spl	A	<2	3.7	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)
L1010950-12A	Vial H2SO4 preserved	A	N/A	3.7	Y	Absent	TOC-9060(28)
L1010950-12B	Vial H2SO4 preserved	A	N/A	3.7	Y	Absent	TOC-9060(28)
L1010950-12C	Plastic 250ml unpreserved	A	6	3.7	Y	Absent	NO3-4500(2)
L1010950-12D	Plastic 250ml NaOH preserved	A	>12	3.7	Y	Absent	TCN-9010(14)
L1010950-12E	Plastic 250ml Zn Acetate/NaOH pr	A	>12	3.7	Y	Absent	SULFIDE-9030(7)
L1010950-12F	Plastic 250ml Zn Acetate/NaOH pr	A	>12	3.7	Y	Absent	SULFIDE-9030(7)
L1010950-12G	Plastic 250ml Zn Acetate/NaOH pr	A	>12	3.7	Y	Absent	SULFIDE-9030(7)
L1010950-12H	Plastic 500ml H2SO4 preserved	A	<2	3.7	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1010950-12I	Plastic 250ml HNO3 preserved	A	<2	3.7	Y	Absent	HARDT(180)
L1010950-12J	Plastic 250ml HNO3 preserved	A	<2	3.7	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)
L1010950-12K	Plastic 500ml unpreserved	A	6	3.7	Y	Absent	-
L1010950-12L	Plastic 250ml HNO3 preserved spl	A	<2	3.7	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)
L1010950-13A	Vial H2SO4 preserved	B	N/A	4.6	Y	Absent	TOC-9060(28)
L1010950-13B	Vial H2SO4 preserved	B	N/A	4.6	Y	Absent	TOC-9060(28)
L1010950-13C	Plastic 250ml unpreserved	B	6	4.6	Y	Absent	NO3-4500(2)
L1010950-13D	Plastic 250ml NaOH preserved	B	>12	4.6	Y	Absent	TCN-9010(14)
L1010950-13E	Plastic 250ml Zn Acetate/NaOH pr	B	>12	4.6	Y	Absent	SULFIDE-9030(7)
L1010950-13F	Plastic 250ml Zn Acetate/NaOH pr	B	>12	4.6	Y	Absent	SULFIDE-9030(7)
L1010950-13G	Plastic 250ml Zn Acetate/NaOH pr	B	>12	4.6	Y	Absent	SULFIDE-9030(7)
L1010950-13H	Plastic 500ml H2SO4 preserved	B	<2	4.6	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1010950-13I	Plastic 250ml HNO3 preserved	B	<2	4.6	Y	Absent	HARDT(180)

*Values in parentheses indicate holding time in days

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

Lab Number: L1010950
Report Date: 07/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1010950-13J	Plastic 250ml HNO3 preserved	B	<2	4.6	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)
L1010950-13K	Plastic 500ml unpreserved	B	6	4.6	Y	Absent	-
L1010950-13L	Plastic 250ml HNO3 preserved spl	B	<2	4.6	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)
L1010950-14A	Vial H2SO4 preserved	C	N/A	3.4	Y	Absent	TOC-9060(28)
L1010950-14B	Vial H2SO4 preserved	C	N/A	3.4	Y	Absent	TOC-9060(28)
L1010950-14C	Plastic 250ml unpreserved	C	6	3.4	Y	Absent	NO3-4500(2)
L1010950-14D	Plastic 250ml NaOH preserved	C	>12	3.4	Y	Absent	TCN-9010(14)
L1010950-14E	Plastic 250ml Zn Acetate/NaOH pr	C	>12	3.4	Y	Absent	SULFIDE-9030(7)
L1010950-14F	Plastic 250ml Zn Acetate/NaOH pr	C	>12	3.4	Y	Absent	SULFIDE-9030(7)
L1010950-14G	Plastic 250ml Zn Acetate/NaOH pr	C	>12	3.4	Y	Absent	SULFIDE-9030(7)
L1010950-14H	Plastic 500ml H2SO4 preserved	C	<2	3.4	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1010950-14I	Plastic 250ml HNO3 preserved	C	<2	3.4	Y	Absent	HARDT(180)
L1010950-14J	Plastic 250ml HNO3 preserved	C	<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)
L1010950-14K	Plastic 500ml unpreserved	C	6	3.4	Y	Absent	-
L1010950-14L	Plastic 250ml HNO3 preserved spl	C	<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)

Container Comments

L1010950-07C

*Values in parentheses indicate holding time in days

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1010950
Project Number:	JI-1747	**Report Date:**	07/31/10

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.
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.

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.
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.
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.
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. 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.

Report Format: Data Usability Report

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1010950
Project Number:	JI-1747	**Report Date:**	07/31/10

Data Qualifiers

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:** L1010950
Project Number: JI-1747 **Report Date:** 07/31/10

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 July 19, 2010 - 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, 300.0, 353.2, SM2130B, 2320B, 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, Lachat 10-107-06-1-B, SM2320B, 2340B, 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.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624, ME DRO, ME GRO, MA EPH, MA VPH.)
*Solid Waste/Soil (*Organic Parameters: ME DRO, ME GRO, MA EPH, MA VPH.)

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)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 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), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; 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,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 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-B,C-Titr, 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, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)

(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, 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, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

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 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 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.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Non-Potable Water (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 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 NY-DOH 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, 376.2, 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.)

Department of Defense 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, 9251, 9038, 350.1, 353.2, 351.1, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035, MassDEP EPH, MassDEP VPH.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **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. **EPA 350.1** for Ammonia in a Soil matrix.

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: 7/20/10

ALPHA Job #: L1010950

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 #: JI-1747
Project Manager: Chris Feeney
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: 7/27/10 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
☐ Oone
☐ 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
10950	1	mw 04S	7/20/10	8:35	GW	SH	2	2	1											5
	1	MS(mw 04S)		8:35			2	2	1											
	1	MSD(mw04S)		8:35			2	2	1											
	2	mw04D		9:28			2	2	1											
	3	mw03BR		10:24			2	2	1											
	4	Dup (mw03BR)		10:24			2	2	1											
	5	mw3S		11:09			2	2	1											
	6	mw12S		12:00			2	2	1											
	7	mw12D		12:43			2	2	1											
	8	mw13S		2:34			2	2	1											

Container Type	V	A	P	-	-	-	-	-	-	-	-	-
Preservative	B	A	C	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
	7/20/10 1:35		7/20/10 1540
	7/20/10 1735		7/20/10 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:07311011:10

CHAIN OF CUSTODY

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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:

ALPHA Job #:

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 #: JI-1747
Project Manager: Chris Feeney
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: 7/27/10 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
9	Field Blank	7/20/10	2:45	—	SH	2	2	0											4
10	Trip blank	" "	—	—	SH	2	0	0											2

Container Type	V	A	P	-	-	-	-	-	-	-	-	-
Preservative	B	A	C	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	7/20/10 13:45	[signature]	7/20/10 1540
[signature]	7/20/10 1735	[signature]	7/20/10 17

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:07311011:10

CHAIN OF CUSTODY

PAGE 3 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:

ALPHA Job #:

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 #: JI-1747
Project Manager: Chris Feeney
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: 7/27/10 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
☐ Oone
☐ 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
11	SW09	7/20/10	9:35	SW	SLL	3	1	1	2	1	1	1	1						9
12	Dup (SW09)	↓	9:35	↓	↓	1	1	1	1	1	1	1	1						↓
13	SW17	↓	11:00	↓	↓	1	1	1	1	1	1	1	1						↓
14	SW04	↓	12:48	↓	↓	1	1	1	1	1	1	1	1						↓
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
[signature]	7/20/10 3:45	[signature]	7/20/10 15:45
[signature]	7/20/10 1735	[signature]	7/20/10 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:07311011:10

ANALYTICAL REPORT

Lab Number:	L1011000
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:	JI-1747
Report Date:	08/04/10

Certifications & Approvals: MA (M-MA030), NY (11627), CT (PH-0141), NH (2206), NJ (MA015), RI (LAO00299), ME (MA0030), PA (Registration #68-02089), LA NELAC (03090), FL NELAC (E87814), 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: JI-1747

Lab Number: L1011000
Report Date: 08/04/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1011000-01	GP-18	SOUTH KINGSTOWN, RI	07/21/10 12:50
L1011000-02	GP-16	SOUTH KINGSTOWN, RI	07/21/10 12:55
L1011000-03	GP-11	SOUTH KINGSTOWN, RI	07/21/10 12:57
L1011000-04	DUP (GP-11)	SOUTH KINGSTOWN, RI	07/21/10 12:57
L1011000-05	FIELD BLANK	SOUTH KINGSTOWN, RI	07/21/10 12:47
L1011000-06	GP-21	SOUTH KINGSTOWN, RI	07/21/10 12:44
L1011000-07	GF	SOUTH KINGSTOWN, RI	07/21/10 12:41

Project Name: ROSE HILL LANDFILL **Lab Number:** L1011000
Project Number: JI-1747 **Report Date:** 08/04/10

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. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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.

For additional information, please contact Client Services at 800-624-9220.

The canister certification results are provided as an addendum.
The internal standards were within method criteria.

Volatile Organics in Air (Low Level)
L1011000-03 and -07 have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L1011000-03, -04, -06, and -07 were 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.

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1011000
Project Number:	JI-1747	**Report Date:**	08/04/10

Case Narrative (continued)

L1011000-01 through -04, -06 and -07: results for Propylene should be considered estimated due to co-elution with a non-target peak.

L1011000-03 and -04: results for Freon 114 should be considered estimated due to co-elution with a non-target peak.

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: 08/04/10

AIR

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1011000
Report Date: 08/04/10

SAMPLE RESULTS

Lab ID: L1011000-01
Client ID: GP-18
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/22/10 17:22
Analyst: RY

Date Collected: 07/21/10 12:50
Date Received: 07/21/10
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 (Low Level) - Mansfield Lab								
Propylene	2.32	0.200	--	3.99	0.344	--		1
Dichlorodifluoromethane	2.16	0.200	--	10.7	0.988	--		1
Chloromethane	0.544	0.200	--	1.12	0.413	--		1
Freon-114	2.00	0.200	--	13.9	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	0.776	--		1
Chloroethane	ND	0.200	--	ND	0.527	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	1.12	0.200	--	3.48	0.622	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.720	--		1
2-Butanone	28.3	0.200	--	83.3	0.589	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Chloroform	ND	0.200	--	ND	0.976	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.281	0.200	--	0.990	0.704	--		1
1,1,1-Trichloroethane	2.82	0.200	--	15.3	1.09	--		1
Benzene	ND	0.200	--	ND	0.638	--		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: JI-1747
Lab Number: L1011000
Report Date: 08/04/10

SAMPLE RESULTS

Lab ID: L1011000-01
Client ID: GP-18
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 07/21/10 12:50
Date Received: 07/21/10
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 (Low Level) - Mansfield Lab								
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	0.907	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.749	0.200	--	2.82	0.753	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.920	--		1
Ethylbenzene	ND	0.200	--	ND	0.868	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Styrene	ND	0.200	--	ND	0.851	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.868	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.982	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.982	--		1
Benzyl chloride	ND	0.200	--	ND	1.03	--		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: JI-1747
Lab Number: L1011000
Report Date: 08/04/10

SAMPLE RESULTS

Lab ID: L1011000-01
Client ID: GP-18
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 07/21/10 12:50
Date Received: 07/21/10
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 (Low Level) - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	102		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	105		60-140

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1011000
Report Date: 08/04/10

SAMPLE RESULTS

Lab ID: L1011000-02
Client ID: GP-16
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/22/10 18:36
Analyst: RY

Date Collected: 07/21/10 12:55
Date Received: 07/21/10
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 (Low Level) - Mansfield Lab								
Propylene	2.56	0.200	--	4.40	0.344	--		1
Dichlorodifluoromethane	0.852	0.200	--	4.21	0.988	--		1
Chloromethane	2.10	0.200	--	4.32	0.413	--		1
Freon-114	0.258	0.200	--	1.80	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	0.776	--		1
Chloroethane	ND	0.200	--	ND	0.527	--		1
Trichlorofluoromethane	0.237	0.200	--	1.33	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	11.4	0.200	--	35.6	0.622	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.720	--		1
2-Butanone	25.3	0.200	--	74.4	0.589	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Chloroform	0.497	0.200	--	2.42	0.976	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.372	0.200	--	1.31	0.704	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.260	0.200	--	0.830	0.638	--		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: JI-1747
Lab Number: L1011000
Report Date: 08/04/10

SAMPLE RESULTS

Lab ID: L1011000-02
Client ID: GP-16
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 07/21/10 12:55
Date Received: 07/21/10
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 (Low Level) - Mansfield Lab								
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	0.907	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.824	0.200	--	3.10	0.753	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.920	--		1
Ethylbenzene	ND	0.200	--	ND	0.868	--		1
p/m-Xylene	0.409	0.400	--	1.77	1.74	--		1
Styrene	ND	0.200	--	ND	0.851	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.868	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.982	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.982	--		1
Benzyl chloride	ND	0.200	--	ND	1.03	--		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: JI-1747
Lab Number: L1011000
Report Date: 08/04/10

SAMPLE RESULTS

Lab ID: L1011000-02
Client ID: GP-16
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 07/21/10 12:55
Date Received: 07/21/10
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 (Low Level) - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	98		60-140

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1011000
Report Date: 08/04/10

SAMPLE RESULTS

Lab ID: L1011000-03 D
Client ID: GP-11
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/23/10 12:28
Analyst: RY

Date Collected: 07/21/10 12:57
Date Received: 07/21/10
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 (Low Level) - Mansfield Lab								
Propylene	94.1	2.00	--	162	3.44	--		10
Dichlorodifluoromethane	206	2.00	--	1020	9.88	--		10
Chloromethane	2.12	2.00	--	4.37	4.13	--		10
Freon-114	163	2.00	--	1140	14.0	--		10
Vinyl chloride	5760	2.00	--	14700	5.11	--	E	10
1,3-Butadiene	ND	2.00	--	ND	4.42	--		10
Bromomethane	ND	2.00	--	ND	7.76	--		10
Chloroethane	283	2.00	--	747	5.27	--		10
Trichlorofluoromethane	ND	2.00	--	ND	11.2	--		10
1,1-Dichloroethene	53.3	2.00	--	211	7.92	--		10
Methylene chloride	ND	10.0	--	ND	34.7	--		10
Carbon disulfide	ND	2.00	--	ND	6.22	--		10
Freon-113	48.1	2.00	--	368	15.3	--		10
trans-1,2-Dichloroethene	10.0	2.00	--	39.8	7.92	--		10
1,1-Dichloroethane	82.7	2.00	--	334	8.09	--		10
Methyl tert butyl ether	ND	2.00	--	ND	7.20	--		10
2-Butanone	15.5	2.00	--	45.6	5.89	--		10
cis-1,2-Dichloroethene	67.3	2.00	--	266	7.92	--		10
Chloroform	ND	2.00	--	ND	9.76	--		10
1,2-Dichloroethane	ND	2.00	--	ND	8.09	--		10
n-Hexane	365	2.00	--	1280	7.04	--		10
1,1,1-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Benzene	5.72	2.00	--	18.2	6.38	--		10
Carbon tetrachloride	ND	2.00	--	ND	12.6	--		10
Cyclohexane	146	2.00	--	502	6.88	--		10

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1011000
Report Date: 08/04/10

SAMPLE RESULTS

Lab ID: L1011000-03 D
Client ID: GP-11
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 07/21/10 12:57
Date Received: 07/21/10
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 (Low Level) - Mansfield Lab								
1,2-Dichloropropane	ND	2.00	--	ND	9.24	--		10
Trichloroethene	91.9	2.00	--	494	10.7	--		10
cis-1,3-Dichloropropene	ND	2.00	--	ND	9.07	--		10
trans-1,3-Dichloropropene	ND	2.00	--	ND	9.07	--		10
1,1,2-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Toluene	12.9	2.00	--	48.6	7.53	--		10
1,2-Dibromoethane	ND	2.00	--	ND	15.4	--		10
Tetrachloroethene	ND	2.00	--	ND	13.6	--		10
Chlorobenzene	ND	2.00	--	ND	9.20	--		10
Ethylbenzene	ND	2.00	--	ND	8.68	--		10
p/m-Xylene	ND	4.00	--	ND	17.4	--		10
Styrene	ND	2.00	--	ND	8.51	--		10
1,1,2,2-Tetrachloroethane	ND	2.00	--	ND	13.7	--		10
o-Xylene	ND	2.00	--	ND	8.68	--		10
1,3,5-Trimethybenzene	ND	2.00	--	ND	9.82	--		10
1,2,4-Trimethylbenzene	ND	2.00	--	ND	9.82	--		10
Benzyl chloride	ND	2.00	--	ND	10.3	--		10
1,3-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,4-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2,4-Trichlorobenzene	ND	2.00	--	ND	14.8	--		10
Hexachlorobutadiene	ND	2.00	--	ND	21.3	--		10

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1011000
Report Date: 08/04/10

SAMPLE RESULTS

Lab ID: L1011000-03 D
Client ID: GP-11
Sample Location: SOUTH KINGSTOWN, RI

Date Collected: 07/21/10 12:57
Date Received: 07/21/10
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 (Low Level) - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	87		60-140
chlorobenzene-d5	101		60-140

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1011000
Report Date: 08/04/10

SAMPLE RESULTS

Lab ID:	L1011000-03 D2	Date Collected:	07/21/10 12:57
Client ID:	GP-11	Date Received:	07/21/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15		
Analytical Date:	07/23/10 23:04		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Vinyl chloride	3590	21.2	--	9180	54.2	--		106.1

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1011000
Report Date: 08/04/10

SAMPLE RESULTS

Lab ID: L1011000-03 D2
Client ID: GP-11
Sample Location: SOUTH KINGSTOWN, RI

Date Collected: 07/21/10 12:57
Date Received: 07/21/10
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 (Low Level) - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	100		60-140

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1011000
Report Date: 08/04/10

SAMPLE RESULTS

Lab ID: L1011000-04
Client ID: DUP (GP-11)
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/22/10 19:51
Analyst: RY

Date Collected: 07/21/10 12:57
Date Received: 07/21/10
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 (Low Level) - Mansfield Lab								
Propylene	84.2	0.200	--	145	0.344	--		1
Dichlorodifluoromethane	106	0.200	--	523	0.988	--		1
Chloromethane	1.72	0.200	--	3.54	0.413	--		1
Freon-114	20.3	0.200	--	142	1.40	--		1
Vinyl chloride	2600	0.200	--	6630	0.511	--	E	1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.776	--		1
Chloroethane	216	0.200	--	571	0.527	--	E	1
Trichlorofluoromethane	0.542	0.200	--	3.04	1.12	--		1
1,1-Dichloroethene	37.5	0.200	--	149	0.792	--		1
Methylene chloride	2.14	1.00	--	7.43	3.47	--		1
Carbon disulfide	0.771	0.200	--	2.40	0.622	--		1
Freon-113	35.3	0.200	--	270	1.53	--		1
trans-1,2-Dichloroethene	6.96	0.200	--	27.6	0.792	--		1
1,1-Dichloroethane	66.4	0.200	--	268	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.720	--		1
2-Butanone	43.7	0.200	--	129	0.589	--		1
cis-1,2-Dichloroethene	47.6	0.200	--	189	0.792	--		1
Chloroform	0.626	0.200	--	3.05	0.976	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	217	0.200	--	766	0.704	--	E	1
1,1,1-Trichloroethane	0.654	0.200	--	3.56	1.09	--		1
Benzene	4.02	0.200	--	12.8	0.638	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	99.2	0.200	--	341	0.688	--		1

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1011000
Report Date: 08/04/10

SAMPLE RESULTS

Lab ID: L1011000-04
Client ID: DUP (GP-11)
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 07/21/10 12:57
Date Received: 07/21/10
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 (Low Level) - Mansfield Lab								
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Trichloroethene	57.1	0.200	--	307	1.07	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	5.73	0.200	--	21.6	0.753	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.330	0.200	--	2.24	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.920	--		1
Ethylbenzene	0.219	0.200	--	0.950	0.868	--		1
p/m-Xylene	0.482	0.400	--	2.09	1.74	--		1
Styrene	ND	0.200	--	ND	0.851	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.230	0.200	--	0.998	0.868	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.982	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.982	--		1
Benzyl chloride	ND	0.200	--	ND	1.03	--		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: JI-1747
Lab Number: L1011000
Report Date: 08/04/10

SAMPLE RESULTS

Lab ID: L1011000-04
Client ID: DUP (GP-11)
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 07/21/10 12:57
Date Received: 07/21/10
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 (Low Level) - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	80		60-140
chlorobenzene-d5	123		60-140

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1011000
Report Date: 08/04/10

SAMPLE RESULTS

Lab ID:	L1011000-04 D	Date Collected:	07/21/10 12:57
Client ID:	DUP (GP-11)	Date Received:	07/21/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15		
Analytical Date:	07/23/10 23:40		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - Mansfield Lab								
Chloroethane	225	1.78	--	594	4.68	--		8.878
n-Hexane	284	1.78	--	1000	6.25	--		8.878

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1011000
Report Date: 08/04/10

SAMPLE RESULTS

Lab ID: L1011000-04 D
Client ID: DUP (GP-11)
Sample Location: SOUTH KINGSTOWN, RI

Date Collected: 07/21/10 12:57
Date Received: 07/21/10
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 (Low Level) - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	105		60-140

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1011000
Report Date: 08/04/10

SAMPLE RESULTS

Lab ID:	L1011000-04 D2	Date Collected:	07/21/10 12:57
Client ID:	DUP (GP-11)	Date Received:	07/21/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15		
Analytical Date:	07/24/10 00:18		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - Mansfield Lab								
Vinyl chloride	3490	20.3	--	8910	51.8	--		101.5

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1011000
Report Date: 08/04/10

SAMPLE RESULTS

Lab ID: L1011000-04 D2
Client ID: DUP (GP-11)
Sample Location: SOUTH KINGSTOWN, RI

Date Collected: 07/21/10 12:57
Date Received: 07/21/10
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 (Low Level) - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	86		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	96		60-140

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1011000
Report Date: 08/04/10

SAMPLE RESULTS

Lab ID: L1011000-05
Client ID: FIELD BLANK
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 07/22/10 16:45
Analyst: RY

Date Collected: 07/21/10 12:47
Date Received: 07/21/10
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 (Low Level) - Mansfield Lab								
Propylene	ND	0.200	--	ND	0.344	--		1
Dichlorodifluoromethane	0.566	0.200	--	2.80	0.988	--		1
Chloromethane	0.633	0.200	--	1.31	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	0.776	--		1
Chloroethane	ND	0.200	--	ND	0.527	--		1
Trichlorofluoromethane	0.265	0.200	--	1.49	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Methylene chloride	2.26	1.00	--	7.84	3.47	--		1
Carbon disulfide	ND	0.200	--	ND	0.622	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.720	--		1
2-Butanone	0.589	0.200	--	1.74	0.589	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Chloroform	ND	0.200	--	ND	0.976	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.704	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.638	--		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: JI-1747
Lab Number: L1011000
Report Date: 08/04/10

SAMPLE RESULTS

Lab ID: L1011000-05
Client ID: FIELD BLANK
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 07/21/10 12:47
Date Received: 07/21/10
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 (Low Level) - Mansfield Lab								
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	0.907	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.286	0.200	--	1.08	0.753	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.920	--		1
Ethylbenzene	ND	0.200	--	ND	0.868	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Styrene	ND	0.200	--	ND	0.851	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.868	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.982	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.982	--		1
Benzyl chloride	ND	0.200	--	ND	1.03	--		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: JI-1747
Lab Number: L1011000
Report Date: 08/04/10

SAMPLE RESULTS

Lab ID: L1011000-05
Client ID: FIELD BLANK
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 07/21/10 12:47
Date Received: 07/21/10
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 (Low Level) - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	84		60-140
Bromochloromethane	78		60-140
chlorobenzene-d5	85		60-140

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1011000
Report Date: 08/04/10

SAMPLE RESULTS

Lab ID: L1011000-06
Client ID: GP-21
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/22/10 20:29
Analyst: RY

Date Collected: 07/21/10 12:44
Date Received: 07/21/10
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 (Low Level) - Mansfield Lab								
Propylene	16.9	0.200	--	29.1	0.344	--		1
Dichlorodifluoromethane	1.25	0.200	--	6.17	0.988	--		1
Chloromethane	4.22	0.200	--	8.71	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	0.587	0.200	--	1.50	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.776	--		1
Chloroethane	0.397	0.200	--	1.05	0.527	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Methylene chloride	1.52	1.00	--	5.27	3.47	--		1
Carbon disulfide	9.24	0.200	--	28.8	0.622	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.720	--		1
2-Butanone	156	0.200	--	459	0.589	--	E	1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Chloroform	0.221	0.200	--	1.08	0.976	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	4.86	0.200	--	17.1	0.704	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	1.10	0.200	--	3.51	0.638	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.703	0.200	--	2.42	0.688	--		1

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1011000
Report Date: 08/04/10

SAMPLE RESULTS

Lab ID: L1011000-06
Client ID: GP-21
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 07/21/10 12:44
Date Received: 07/21/10
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 (Low Level) - Mansfield Lab								
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Trichloroethene	0.436	0.200	--	2.34	1.07	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.31	0.200	--	4.94	0.753	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.920	--		1
Ethylbenzene	0.211	0.200	--	0.915	0.868	--		1
p/m-Xylene	0.506	0.400	--	2.20	1.74	--		1
Styrene	0.246	0.200	--	1.05	0.851	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.868	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.982	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.982	--		1
Benzyl chloride	ND	0.200	--	ND	1.03	--		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: JI-1747
Lab Number: L1011000
Report Date: 08/04/10

SAMPLE RESULTS

Lab ID: L1011000-06
Client ID: GP-21
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 07/21/10 12:44
Date Received: 07/21/10
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 (Low Level) - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	103		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	98		60-140

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1011000
Report Date: 08/04/10

SAMPLE RESULTS

Lab ID:	L1011000-06 D	Date Collected:	07/21/10 12:44
Client ID:	GP-21	Date Received:	07/21/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15		
Analytical Date:	07/24/10 00:54		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
2-Butanone	131	0.500	--	386	1.47	--		2.5

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1011000
Report Date: 08/04/10

SAMPLE RESULTS

Lab ID: L1011000-06 D
Client ID: GP-21
Sample Location: SOUTH KINGSTOWN, RI

Date Collected: 07/21/10 12:44
Date Received: 07/21/10
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 (Low Level) - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	99		60-140

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1011000
Report Date: 08/04/10

SAMPLE RESULTS

Lab ID: L1011000-07 D
Client ID: GF
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/24/10 01:31
Analyst: RY

Date Collected: 07/21/10 12:41
Date Received: 07/21/10
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 (Low Level) - Mansfield Lab								
Propylene	158	39.5	--	272	68.0	--		197.7
Dichlorodifluoromethane	313	39.5	--	1550	195	--		197.7
Chloromethane	ND	39.5	--	ND	81.6	--		197.7
Freon-114	54.8	39.5	--	382	276	--		197.7
Vinyl chloride	8100	39.5	--	20700	101	--		197.7
1,3-Butadiene	ND	39.5	--	ND	87.4	--		197.7
Bromomethane	ND	39.5	--	ND	153.	--		197.7
Chloroethane	1060	39.5	--	2790	104	--		197.7
Trichlorofluoromethane	ND	39.5	--	ND	222	--		197.7
1,1-Dichloroethene	ND	39.5	--	ND	157	--		197.7
Methylene chloride	890	198	--	3090	686	--		197.7
Carbon disulfide	ND	39.5	--	ND	123	--		197.7
Freon-113	ND	39.5	--	ND	303.	--		197.7
trans-1,2-Dichloroethene	ND	39.5	--	ND	157	--		197.7
1,1-Dichloroethane	97.5	39.5	--	394	160	--		197.7
Methyl tert butyl ether	ND	39.5	--	ND	142.	--		197.7
2-Butanone	73.1	39.5	--	216	116	--		197.7
cis-1,2-Dichloroethene	11000	39.5	--	43600	157	--		197.7
Chloroform	ND	39.5	--	ND	193	--		197.7
1,2-Dichloroethane	ND	39.5	--	ND	160.	--		197.7
n-Hexane	628	39.5	--	2210	139	--		197.7
1,1,1-Trichloroethane	169	39.5	--	923	216	--		197.7
Benzene	126	39.5	--	403	126	--		197.7
Carbon tetrachloride	ND	39.5	--	ND	248.	--		197.7
Cyclohexane	292	39.5	--	1000	136	--		197.7

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1011000
Report Date: 08/04/10

SAMPLE RESULTS

Lab ID: L1011000-07 D
Client ID: GF
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 07/21/10 12:41
Date Received: 07/21/10
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 (Low Level) - Mansfield Lab								
1,2-Dichloropropane	ND	39.5	--	ND	182.	--		197.7
Trichloroethene	2240	39.5	--	12000	212	--		197.7
cis-1,3-Dichloropropene	ND	39.5	--	ND	179.	--		197.7
trans-1,3-Dichloropropene	ND	39.5	--	ND	179.	--		197.7
1,1,2-Trichloroethane	ND	39.5	--	ND	216.	--		197.7
Toluene	190	39.5	--	715	149	--		197.7
1,2-Dibromoethane	ND	39.5	--	ND	304.	--		197.7
Tetrachloroethene	ND	39.5	--	ND	268	--		197.7
Chlorobenzene	151	39.5	--	693	182	--		197.7
Ethylbenzene	473	39.5	--	2050	172	--		197.7
p/m-Xylene	598	79.1	--	2590	343	--		197.7
Styrene	ND	39.5	--	ND	168.	--		197.7
1,1,2,2-Tetrachloroethane	ND	39.5	--	ND	271.	--		197.7
o-Xylene	127	39.5	--	552	172	--		197.7
1,3,5-Trimethybenzene	45.3	39.5	--	222	194	--		197.7
1,2,4-Trimethylbenzene	75.9	39.5	--	373	194	--		197.7
Benzyl chloride	ND	39.5	--	ND	204.	--		197.7
1,3-Dichlorobenzene	ND	39.5	--	ND	238.	--		197.7
1,4-Dichlorobenzene	ND	39.5	--	ND	238	--		197.7
1,2-Dichlorobenzene	ND	39.5	--	ND	238.	--		197.7
1,2,4-Trichlorobenzene	ND	39.5	--	ND	293.	--		197.7
Hexachlorobutadiene	ND	39.5	--	ND	421.	--		197.7

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1011000
Report Date: 08/04/10

SAMPLE RESULTS

Lab ID: L1011000-07 D
Client ID: GF
Sample Location: SOUTH KINGSTOWN, RI

Date Collected: 07/21/10 12:41
Date Received: 07/21/10
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 (Low Level) - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	78		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	91		60-140

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

Lab Number: L1011000
Report Date: 08/04/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/22/10 15:09

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01-06 Batch: WG424035-4								
Propylene	ND	0.200	--	ND	0.344	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.988	--		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	0.776	--		1
Chloroethane	ND	0.200	--	ND	0.527	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	ND	0.200	--	ND	0.622	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.720	--		1
2-Butanone	ND	0.200	--	ND	0.589	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Chloroform	ND	0.200	--	ND	0.976	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.704	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.638	--		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: JI-1747

Lab Number: L1011000
Report Date: 08/04/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/22/10 15:09

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01-06 Batch: WG424035-4								
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	0.907	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.753	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.920	--		1
Ethylbenzene	ND	0.200	--	ND	0.868	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Styrene	ND	0.200	--	ND	0.851	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.868	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.982	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.982	--		1
Benzyl chloride	ND	0.200	--	ND	1.03	--		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: JI-1747

Lab Number: L1011000
Report Date: 08/04/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/23/10 17:53

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 03-04,06-07 Batch: WG424035-9								
Propylene	ND	0.200	--	ND	0.344	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.988	--		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	0.776	--		1
Chloroethane	ND	0.200	--	ND	0.527	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	ND	0.200	--	ND	0.622	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.720	--		1
2-Butanone	ND	0.200	--	ND	0.589	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Chloroform	ND	0.200	--	ND	0.976	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.704	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.638	--		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: JI-1747

Lab Number: L1011000
Report Date: 08/04/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/23/10 17:53

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 03-04,06-07 Batch: WG424035-9								
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	0.907	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.753	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.920	--		1
Ethylbenzene	ND	0.200	--	ND	0.868	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Styrene	ND	0.200	--	ND	0.851	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.868	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.982	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.982	--		1
Benzyl chloride	ND	0.200	--	ND	1.03	--		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: JI-1747

Lab Number: L1011000
Report Date: 08/04/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-06 Batch: WG424035-3								
Propylene	87		-		70-130	-		
Dichlorodifluoromethane	92		-		70-130	-		
Chloromethane	92		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	95		-		70-130	-		
Vinyl chloride	95		-		70-130	-		
1,3-Butadiene	92		-		70-130	-		
Bromomethane	90		-		70-130	-		
Chloroethane	95		-		70-130	-		
Trichlorofluoromethane	96		-		70-130	-		
1,1-Dichloroethene	96		-		70-130	-		
Methylene chloride	99		-		70-130	-		
Carbon disulfide	89		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	96		-		70-130	-		
trans-1,2-Dichloroethene	91		-		70-130	-		
1,1-Dichloroethane	96		-		70-130	-		
Methyl tert butyl ether	91		-		70-130	-		
2-Butanone	99		-		70-130	-		
cis-1,2-Dichloroethene	99		-		70-130	-		
Chloroform	98		-		70-130	-		
1,2-Dichloroethane	99		-		70-130	-		
n-Hexane	94		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1011000
Report Date: 08/04/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-06 Batch: WG424035-3								
1,1,1-Trichloroethane	103		-		70-130	-		
Benzene	99		-		70-130	-		
Carbon tetrachloride	100		-		70-130	-		
Cyclohexane	96		-		70-130	-		
1,2-Dichloropropane	107		-		70-130	-		
Trichloroethene	103		-		70-130	-		
cis-1,3-Dichloropropene	111		-		70-130	-		
trans-1,3-Dichloropropene	96		-		70-130	-		
1,1,2-Trichloroethane	109		-		70-130	-		
Toluene	103		-		70-130	-		
1,2-Dibromoethane	111		-		70-130	-		
Tetrachloroethene	102		-		70-130	-		
Chlorobenzene	108		-		70-130	-		
Ethylbenzene	111		-		70-130	-		
p/m-Xylene	111		-		70-130	-		
Styrene	116		-		70-130	-		
1,1,2,2-Tetrachloroethane	116		-		70-130	-		
o-Xylene	113		-		70-130	-		
1,3,5-Trimethylbenzene	112		-		70-130	-		
1,2,4-Trimethylbenzene	118		-		70-130	-		
Benzyl chloride	102		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1011000
Report Date: 08/04/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-06 Batch: WG424035-3								
1,3-Dichlorobenzene	115		-		70-130	-		
1,4-Dichlorobenzene	114		-		70-130	-		
1,2-Dichlorobenzene	115		-		70-130	-		
1,2,4-Trichlorobenzene	112		-		70-130	-		
Hexachlorobutadiene	110		-		70-130	-		
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 03-04,06-07 Batch: WG424035-8								
Propylene	82		-		70-130	-		
Dichlorodifluoromethane	83		-		70-130	-		
Chloromethane	84		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	86		-		70-130	-		
Vinyl chloride	85		-		70-130	-		
1,3-Butadiene	86		-		70-130	-		
Bromomethane	87		-		70-130	-		
Chloroethane	86		-		70-130	-		
Trichlorofluoromethane	87		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1011000
Report Date: 08/04/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 03-04,06-07 Batch: WG424035-8								
1,1-Dichloroethene	88		-		70-130	-		
Methylene chloride	103		-		70-130	-		
Carbon disulfide	84		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	89		-		70-130	-		
trans-1,2-Dichloroethene	86		-		70-130	-		
1,1-Dichloroethane	86		-		70-130	-		
Methyl tert butyl ether	110		-		70-130	-		
2-Butanone	116		-		70-130	-		
cis-1,2-Dichloroethene	90		-		70-130	-		
Chloroform	94		-		70-130	-		
1,2-Dichloroethane	87		-		70-130	-		
n-Hexane	87		-		70-130	-		
1,1,1-Trichloroethane	86		-		70-130	-		
Benzene	83		-		70-130	-		
Carbon tetrachloride	88		-		70-130	-		
Cyclohexane	86		-		70-130	-		
1,2-Dichloropropane	88		-		70-130	-		
Trichloroethene	86		-		70-130	-		
cis-1,3-Dichloropropene	93		-		70-130	-		
trans-1,3-Dichloropropene	80		-		70-130	-		
1,1,2-Trichloroethane	93		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1011000
Report Date: 08/04/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 03-04,06-07 Batch: WG424035-8								
Toluene	88		-		70-130	-		
1,2-Dibromoethane	97		-		70-130	-		
Tetrachloroethene	91		-		70-130	-		
Chlorobenzene	94		-		70-130	-		
Ethylbenzene	102		-		70-130	-		
p/m-Xylene	104		-		70-130	-		
Styrene	108		-		70-130	-		
1,1,2,2-Tetrachloroethane	117		-		70-130	-		
o-Xylene	108		-		70-130	-		
1,3,5-Trimethylbenzene	116		-		70-130	-		
1,2,4-Trimethylbenzene	119		-		70-130	-		
Benzyl chloride	106		-		70-130	-		
1,3-Dichlorobenzene	110		-		70-130	-		
1,4-Dichlorobenzene	109		-		70-130	-		
1,2-Dichlorobenzene	112		-		70-130	-		
1,2,4-Trichlorobenzene	108		-		70-130	-		
Hexachlorobutadiene	113		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

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

Lab Number: L1011000
Report Date: 08/04/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG424035-5 QC Sample: L1011000-01 Client ID: GP-18						
Propylene	2.32	2.25	ppbV	3		25
Dichlorodifluoromethane	2.16	2.11	ppbV	2		25
Chloromethane	0.544	0.544	ppbV	0		25
Freon-114	2.00	1.80	ppbV	11		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	1.12	1.12	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	28.3	29.9	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: JI-1747

Lab Number: L1011000
Report Date: 08/04/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG424035-5 QC Sample: L1011000-01 Client ID: GP-18					
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	0.281	0.274	ppbV	3	25
1,1,1-Trichloroethane	2.82	2.86	ppbV	1	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	0.749	0.763	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: JI-1747

Lab Number: L1011000
Report Date: 08/04/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG424035-5 QC Sample: L1011000-01 Client ID: GP-18					
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:** L1011000

Project Number: JI-1747 **Report Date:** 08/04/10

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Cleaning Batch ID	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Out mL/min	Flow In mL/min	% RSD
L1011000-01	GP-18	0371	#20 SV		-	-	8.5	9.0	6
L1011000-01	GP-18	149B	2.7L Can	I1008772	-28.7	-5.3	-	-	-
L1011000-02	GP-16	0232	#16 AMB		-	-	8.9	7.6	16
L1011000-02	GP-16	144	2.7L Can	I1008772	-29.1	-3.9	-	-	-
L1011000-03	GP-11	0185	#16 AMB		-	-	8.8	9.0	2
L1011000-03	GP-11	240	2.7L Can	I1008772	-28.5	-3.3	-	-	-
L1011000-04	DUP (GP-11)	0115	#16 SV		-	-	8.9	9.1	2
L1011000-04	DUP (GP-11)	495	2.7L Can	I1008772	-28.5	-3.6	-	-	-
L1011000-05	FIELD BLANK	0294	#16 SV		-	-	8.7	8.4	4
L1011000-05	FIELD BLANK	378	2.7L Can	I1008772	-28.5	-3.7	-	-	-
L1011000-06	GP-21	0333	#20 AMB		-	-	8.8	8.7	1
L1011000-06	GP-21	179	2.7L Can	I1008772	-28.5	-2.9	-	-	-
L1011000-07	GF	0416	#16 SV		-	-	8.8	8.9	1
L1011000-07	GF	201	2.7L Can	I1008772	-29.3	-2.3	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1008772
Report Date: 08/04/10

Air Canister Certification Results

Lab ID: L1008772-01
Client ID: CAN 197 SHELF 2
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 06/17/10 18:22
Analyst: RY

Date Collected: 06/11/10 00:00
Date Received: 06/11/10
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 (Low Level) - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.200	--	ND	0.344	--		1
Propane	ND	0.200	--	ND	0.606	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.988	--		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	0.776	--		1
Chloroethane	ND	0.200	--	ND	0.527	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.841	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.14	--		1
Acetone	ND	1.00	--	ND	2.37	--		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	0.792	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1008772

Project Number: CANISTER QC BAT **Report Date:** 08/04/10

Air Canister Certification Results

Lab ID: L1008772-01 Date Collected: 06/11/10 00:00

Client ID: CAN 197 SHELF 2 Date Received: 06/11/10

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.622	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.720	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.589	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.976	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.589	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.923	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.704	--		1
Diisopropyl ether	ND	0.200	--	ND	0.835	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.835	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.907	--		1
Benzene	ND	0.200	--	ND	0.638	--		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	0.835	--		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	0.720	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1008772
Report Date: 08/04/10

Air Canister Certification Results

Lab ID: L1008772-01
Client ID: CAN 197 SHELF 2
Sample Location:

Date Collected: 06/11/10 00:00
Date Received: 06/11/10
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 (Low Level) - 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	0.819	--		1
2,4,4-trimethyl-1-pentene	ND	0.500	--	ND	2.29	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.819	--		1
2,4,4-trimethyl-2-pentene	ND	0.500	--	ND	2.29	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.753	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.923	--		1
2-Hexanone	ND	0.200	--	ND	0.819	--		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	2.37	--		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	0.920	--		1
Ethylbenzene	ND	0.200	--	ND	0.868	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.06	--		1
Styrene	ND	0.200	--	ND	0.851	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.868	--		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	0.982	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1008772
Report Date: 08/04/10

Air Canister Certification Results

Lab ID: L1008772-01
Client ID: CAN 197 SHELF 2
Sample Location:

Date Collected: 06/11/10 00:00
Date Received: 06/11/10
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 (Low Level) - Mansfield Lab								
Bromobenzene	ND	0.200	--	ND	1.28	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.03	--		1
n-Propylbenzene	ND	0.200	--	ND	0.982	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.03	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.982	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.982	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.982	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.03	--		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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1008772
Report Date: 08/04/10

Air Canister Certification Results

Lab ID: L1008772-01
Client ID: CAN 197 SHELF 2
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 06/17/10 18:22
Analyst: RY

Date Collected: 06/11/10 00:00
Date Received: 06/11/10
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	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.403	--		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
Project Number: CANISTER QC BAT
Lab Number: L1008772
Report Date: 08/04/10

Air Canister Certification Results

Lab ID: L1008772-01
Client ID: CAN 197 SHELF 2
Sample Location:

Date Collected: 06/11/10 00:00
Date Received: 06/11/10
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	0.020	--	ND	0.075	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	0.021	0.020	--	0.142	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	0.206	--		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: L1008772
Project Number: CANISTER QC BAT
Report Date: 08/04/10

Air Canister Certification Results

Lab ID: L1008772-01
Client ID: CAN 197 SHELF 2
Sample Location:

Date Collected: 06/11/10 00:00
Date Received: 06/11/10
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

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1008772

Project Number: CANISTER QC BAT **Report Date:** 08/04/10

AIR CAN CERTIFICATION RESULTS

Lab ID:	L1008772-01	Date Collected:	06/11/10 00:00
Client ID:	CAN 197 SHELF 2	Date Received:	06/11/10
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	06/16/10 16:28		
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: JI-1747

Lab Number: L1011000
Report Date: 08/04/10

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(*)
L1011000-01A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1011000-02A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1011000-03A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1011000-04A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1011000-05A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1011000-06A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1011000-07A	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:**	L1011000
Project Number:	JI-1747	**Report Date:**	08/04/10

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.
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.

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.
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.
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.
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. 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.

Report Format: Data Usability Report

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1011000
Project Number:	JI-1747	**Report Date:**	08/04/10

Data Qualifiers

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:** L1011000
Project Number: JI-1747 **Report Date:** 08/04/10

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 July 19, 2010 – 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, EPA 120.1, SM2510B, EPA 245.1, EPA 150.1, EPA 160.2, SM2540D, EPA 335.2, SM2540G, EPA 180.1. Organic Parameters: EPA 625, 608.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045, 9014. 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 120.1, 150.1, 160.2, 180.1, 200.8, 245.1, 310.1, 335.2, 608, 625, 1631, 3010, 3015, 3020, 6020, 9010, 9014, 9040, SM2320B, 2510B, 2540D, 2540G, 4500CN-E, 4500H-B, Organic Parameters: EPA 3510, 3580, 3630, 3640, 3660, 3665, 5030, 8015 (mod), 3570, 8081, 8082, 8260, 8270,)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7196, 7470, 7471, 7474, 9010, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015 (mod), EPA 3570, 1311, 3050, 3051, 3060, 3580, 3630, 3640, 3660, 3665, 5035, 8081, 8082, 8260, 8270.)

Biological Tissue (Inorganic Parameters: EPA 6020. Organic Parameters: EPA 3570, 3510, 3610, 3630, 3640, 8270.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA030.

Non-Potable Water (Inorganic Parameters: SM4500H+B. Organic Parameters: EPA 624.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 200.8, 245.1, 1631E, 120.1, 150.1, 180.1, 310.1, 335.2, 160.2, SM2540D, 2540G, 4500CN-E, 4500H+B, 2320B, 2510B. Organic Parameters: EPA 625, 608.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, 3015, 6020, SM2320B, EPA 200.8, SM2540C, 2540D, 2540G, EPA 120.1, SM2510B, EPA 180.1, 245.1, 1631E, SW-846 9040B, 6020, 9010B, 9014 Organic Parameters: EPA 608, 625, SW-846 3510C, 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 9010B, 9014, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 9045C, 9060. Organic Parameters: SW-846 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 3570, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610B, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 310.1, SM2320B, EPA 365.2, 160.1, EPA 160.2, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 335.2, 9014, 150.1, 9040B, 120.1, SM2510B, EPA 376.2, 180.1, 9010B. Organic Parameters: EPA 624, 8260B, 8270C, 608, 8081A, 625, 8082, 3510C, 3511, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, SW-846 Ch7 Sec 7.3, EPA 6020, 7196A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 3050B, 3580, 3050B, 3035, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. ***NELAP Accredited via LA-DEQ.***

Refer to MA-DEP Certificate for Non-Potable Water.

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, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8260, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

U.S. Army Corps of Engineers

Department of Defense Certificate/Lab ID: L2217.01.

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312,3051, 6020, 747A, 7474, 9045C,9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580, 3570, 3540C, 5035, 8260B, 8270C, 8270 Alk-PAH, 8082, 8081A, 8015 (SHC), 8015 (DRO).

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **8270C:** Biphenyl.

AIR ANALYSIS
CHAIN OF CUSTODY

PAGE 1 OF

ALPHA ANALYTICAL

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: L1011000

Project Information

Project Name: Rose Hill
Project Location: South Kingstown, RI
Project #: JI-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	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)
L1011000-1	GP-18	7/21	8:36	12:50	-28.7	-5.0	SV	SH	2.7L	149B	0371	☐	☒	☐	☐	☐	☐	☐	
2	GP-16	7/21	8:31	12:55	-29.1	-6.0	SV	SH	2.7L	144	0232	☐	☒	☐	☐	☐	☐	☐	
3	GP-11	7/21	8:45	12:57	-28.5	-6.5	SV	SH	2.7L	240	0185	☐	☒	☐	☐	☐	☐	☐	
4	DUP (GP-11)	7/21	8:45	12:57	-28.5	-5.5	SV	SH	2.7L	495	0115	☐	☒	☐	☐	☐	☐	☐	
5	Field Blank	7/21	8:21	12:47	-28.5	-3	AA	SH	2.7L	378	0294	☐	☒	☐	☐	☐	☐	☐	
6	GP-21	7/21	8:25	12:44	-28.5	-2	SV	SH	2.7L	179	0333	☐	☒	☐	☐	☐	☐	☐	
											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]	7/21 3:15	P. Gillett	7/21/10 15:05
P. Gillett	7/21/10 16:35	[illegible]	7/21/10 16:35

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

Serial_No:08041018:07

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 #: L1011000

Project Information

Project Name:

Project Location:

Project #:

Project Manager: Chris Feeney

ALPHA Quote #:

Turn-Around-Time

☒ Standard ☐ Rush (only confirmed if pre-approved)

Date Due: Time:

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:

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	IO 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)
L1011000-7	GF	7/21	8:16	16:41	-29.3	0	SV	SH	2.7L	201	0146	☐	☒	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
											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]	7/21 3:15	P. Gillett	7/21/10 15:55
P. Gillett	7/21/10 16:35	[signature]	7/21/10 1635

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

Serial_No:08041018:07

ANALYTICAL REPORT

Lab Number:	L1011043
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:	JI-1747
Report Date:	08/03/10

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

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: JI-1747

Lab Number: L1011043
Report Date: 08/03/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1011043-01	RES #10	SOUTH KINGSTOWN, RI	07/21/10 08:28
L1011043-02	RES #7	SOUTH KINGSTOWN, RI	07/21/10 09:07
L1011043-03	RES #11	SOUTH KINGSTOWN, RI	07/21/10 09:30
L1011043-04	DUP (RES #11)	SOUTH KINGSTOWN, RI	07/21/10 09:30
L1011043-05	MW7BR	SOUTH KINGSTOWN, RI	07/21/10 11:40
L1011043-06	SW 2	SOUTH KINGSTOWN, RI	07/21/10 10:10
L1011043-07	SW 1	SOUTH KINGSTOWN, RI	07/21/10 10:26
L1011043-08	SW 13	SOUTH KINGSTOWN, RI	07/21/10 11:17
L1011043-09	SW 06	SOUTH KINGSTOWN, RI	07/21/10 12:10
L1011043-10	FIELD BLANK	SOUTH KINGSTOWN, RI	07/21/10 12:30
L1011043-11	SW 13 (MS/MSD)	SOUTH KINGSTOWN, RI	07/21/10 11:17

Project Name: ROSE HILL LANDFILL **Lab Number:** L1011043
Project Number: JI-1747 **Report Date:** 08/03/10

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. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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.

For additional information, please contact Client Services at 800-624-9220.

Volatile Organics

The WG424107-1/-2 LCS/LCSD recoveries, associated with L1011043-01 through -05, are outside the individual acceptance criteria for Bromomethane (68%/65%) and Dichlorodifluoromethane (324%/312%), but within the overall method allowances. The results of the associated samples are reported; however, all results are considered to have a potentially high bias for Dichlorodifluoromethane and a potentially low bias for Bromomethane. Associated samples were non-detect for the affected compounds.

Semivolatile Organics

The surrogate recoveries for L1011043-05 were below the acceptance criteria for 2-Fluorophenol, Phenol-d6, Nitrobenzene-d5, 2-Fluorobiphenyl, 2,4,6-Tribromophenol and 4-Terphenyl-d14 (all 0%); however, the criteria was achieved upon re-extraction outside of holding time. The results of both extractions are reported; however, all associated compounds are considered to have a potentially low bias.

Project Name: ROSE HILL LANDFILL **Lab Number:** L1011043
Project Number: JI-1747 **Report Date:** 08/03/10

Case Narrative (continued)

The WG425376-1 Method Blank and associated samples were assessed for the presence of N,N-Dimethylformamide as a TIC and were found to be non-detect for this compound.

Semivolatile Organics - SIM

The surrogate recoveries for L1011043-05 were below the acceptance criteria for 2-Fluorophenol, Phenol-d6, Nitrobenzene-d5, 2-Fluorobiphenyl, 2,4,6-Tribromophenol and 4-Terphenyl-d14 (all 0%); however, the criteria was achieved upon re-extraction outside of holding time. The results of both extractions are reported; however, all associated compounds are considered to have a potentially low bias.

The WG424760-2/-3 LCS/LCSD recoveries, associated with L1011043-01 through -05, were above the acceptance criteria for Pentachlorophenol (120%/116%); however, the associated samples were non-detect for this target compound. The results of the original analysis are reported.

The surrogate recovery for the WG424760-3 LCSD is below the acceptance criteria for 2-Fluorophenol (13%).

Phosphorus, Total

The WG423964-4 Laboratory Duplicate RPD, performed on L1011043-08, is above the acceptance criteria for Phosphorus (34%); 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: 08/03/10

ORGANICS

VOLATILES

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1011043
Report Date: 08/03/10

SAMPLE RESULTS

Lab ID:	L1011043-01	Date Collected:	07/21/10 08:28
Client ID:	RES #10	Date Received:	07/21/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/22/10 19:36		
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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1011043

Project Number: JI-1747 **Report Date:** 08/03/10

SAMPLE RESULTS

Lab ID: L1011043-01 Date Collected: 07/21/10 08:28

Client ID: RES #10 Date Received: 07/21/10

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
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	10	--	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:** L1011043

Project Number: JI-1747 **Report Date:** 08/03/10

SAMPLE RESULTS

Lab ID:	L1011043-01	Date Collected:	07/21/10 08:28
Client ID:	RES #10	Date Received:	07/21/10
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	104		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	98		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1011043

Project Number: JI-1747 **Report Date:** 08/03/10

SAMPLE RESULTS

Lab ID:	L1011043-02	Date Collected:	07/21/10 09:07
Client ID:	RES #7	Date Received:	07/21/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/22/10 20:11		
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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1011043

Project Number: JI-1747 **Report Date:** 08/03/10

SAMPLE RESULTS

Lab ID: L1011043-02 Date Collected: 07/21/10 09:07

Client ID: RES #7 Date Received: 07/21/10

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	1.8		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	10	--	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:** L1011043

Project Number: JI-1747 **Report Date:** 08/03/10

SAMPLE RESULTS

Lab ID:	L1011043-02	Date Collected:	07/21/10 09:07
Client ID:	RES #7	Date Received:	07/21/10
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	92		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	96		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1011043

Project Number: JI-1747 **Report Date:** 08/03/10

SAMPLE RESULTS

Lab ID:	L1011043-03	Date Collected:	07/21/10 09:30
Client ID:	RES #11	Date Received:	07/21/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/22/10 20:46		
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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1011043

Project Number: JI-1747 **Report Date:** 08/03/10

SAMPLE RESULTS

Lab ID: L1011043-03 Date Collected: 07/21/10 09:30

Client ID: RES #11 Date Received: 07/21/10

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
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	10	--	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:** L1011043

Project Number: JI-1747 **Report Date:** 08/03/10

SAMPLE RESULTS

Lab ID:	L1011043-03	Date Collected:	07/21/10 09:30
Client ID:	RES #11	Date Received:	07/21/10
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	105		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	96		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1011043

Project Number: JI-1747 **Report Date:** 08/03/10

SAMPLE RESULTS

Lab ID:	L1011043-04	Date Collected:	07/21/10 09:30
Client ID:	DUP (RES #11)	Date Received:	07/21/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/22/10 21:20		
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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1011043

Project Number: JI-1747 **Report Date:** 08/03/10

SAMPLE RESULTS

Lab ID: L1011043-04 Date Collected: 07/21/10 09:30

Client ID: DUP (RES #11) Date Received: 07/21/10

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
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	10	--	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:** L1011043

Project Number: JI-1747 **Report Date:** 08/03/10

SAMPLE RESULTS

Lab ID:	L1011043-04	Date Collected:	07/21/10 09:30
Client ID:	DUP (RES #11)	Date Received:	07/21/10
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	105		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	96		70-130

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1011043
Report Date: 08/03/10

SAMPLE RESULTS

Lab ID:	L1011043-05	Date Collected:	07/21/10 11:40
Client ID:	MW7BR	Date Received:	07/21/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/22/10 21:55		
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	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	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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1011043

Project Number: JI-1747 **Report Date:** 08/03/10

SAMPLE RESULTS

Lab ID: L1011043-05 Date Collected: 07/21/10 11:40

Client ID: MW7BR Date Received: 07/21/10

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
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	0.56		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	10	--	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:** L1011043

Project Number: JI-1747 **Report Date:** 08/03/10

SAMPLE RESULTS

Lab ID:	L1011043-05	Date Collected:	07/21/10 11:40
Client ID:	MW7BR	Date Received:	07/21/10
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	104		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	97		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1011043

Project Number: JI-1747 **Report Date:** 08/03/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 07/22/10 11:30
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG424107-3					
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:** L1011043

Project Number: JI-1747 **Report Date:** 08/03/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 07/22/10 11:30
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG424107-3					
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	10	--
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:** L1011043

Project Number: JI-1747 **Report Date:** 08/03/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 07/22/10 11:30
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG424107-3					
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	92		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1011043
Report Date: 08/03/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG424107-1 WG424107-2								
Methylene chloride	103		102		70-130	1		20
1,1-Dichloroethane	100		96		70-130	4		20
Chloroform	103		100		70-130	3		20
Carbon tetrachloride	100		100		70-130	0		20
1,2-Dichloropropane	95		92		70-130	3		20
Dibromochloromethane	95		95		70-130	0		20
1,1,2-Trichloroethane	88		88		70-130	0		20
Tetrachloroethene	99		96		70-130	3		20
Chlorobenzene	89		87		75-130	2		20
Trichlorofluoromethane	114		106		70-130	7		20
1,2-Dichloroethane	93		93		70-130	0		20
1,1,1-Trichloroethane	100		98		70-130	2		20
Bromodichloromethane	96		94		70-130	2		20
trans-1,3-Dichloropropene	88		89		70-130	1		20
cis-1,3-Dichloropropene	86		85		70-130	1		20
1,1-Dichloropropene	101		97		70-130	4		20
Bromoform	98		96		70-130	2		20
1,1,2,2-Tetrachloroethane	104		98		70-130	6		20
Benzene	100		96		76-127	4		20
Toluene	93		90		76-125	3		20
Ethylbenzene	94		90		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1011043
Report Date: 08/03/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG424107-1 WG424107-2								
Chloromethane	127		106		70-130	18		20
Bromomethane	**68**	Q	**65**	Q	70-130	5		20
Vinyl chloride	80		75		70-130	6		20
Chloroethane	85		78		70-130	9		20
1,1-Dichloroethene	114		108		61-145	5		20
trans-1,2-Dichloroethene	104		98		70-130	6		20
Trichloroethene	93		90		71-120	3		20
1,2-Dichlorobenzene	95		91		70-130	4		20
1,3-Dichlorobenzene	96		92		70-130	4		20
1,4-Dichlorobenzene	96		92		70-130	4		20
Methyl tert butyl ether	101		104		70-130	3		20
p/m-Xylene	88		85		70-130	3		20
o-Xylene	95		92		70-130	3		20
cis-1,2-Dichloroethene	103		98		70-130	5		20
Dibromomethane	94		94		70-130	0		20
1,2,3-Trichloropropane	110		107		70-130	3		20
Styrene	93		91		70-130	2		20
Dichlorodifluoromethane	**324**	Q	**312**	Q	70-130	4		20
Acetone	98		94		70-130	4		20
Carbon disulfide	91		85		70-130	7		20
2-Butanone	93		93		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1011043
Report Date: 08/03/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG424107-1 WG424107-2								
4-Methyl-2-pentanone	92		93		70-130	1		20
2-Hexanone	89		92		70-130	3		20
Bromochloromethane	101		98		70-130	3		20
Tetrahydrofuran	90		92		70-130	2		20
2,2-Dichloropropane	112		112		70-130	0		20
1,2-Dibromoethane	90		91		70-130	1		20
1,3-Dichloropropane	95		94		70-130	1		20
1,1,1,2-Tetrachloroethane	94		93		70-130	1		20
Bromobenzene	99		94		70-130	5		20
n-Butylbenzene	95		86		70-130	10		20
sec-Butylbenzene	105		96		70-130	9		20
tert-Butylbenzene	102		92		70-130	10		20
o-Chlorotoluene	99		92		70-130	7		20
p-Chlorotoluene	104		98		70-130	6		20
1,2-Dibromo-3-chloropropane	92		87		70-130	6		20
Hexachlorobutadiene	105		98		70-130	7		20
Isopropylbenzene	100		93		70-130	7		20
p-Isopropyltoluene	104		96		70-130	8		20
Naphthalene	93		86		70-130	8		20
n-Propylbenzene	104		96		70-130	8		20
1,2,3-Trichlorobenzene	110		102		70-130	8		20

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1011043
Report Date: 08/03/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG424107-1 WG424107-2								
1,2,4-Trichlorobenzene	101		93		70-130	8		20
1,3,5-Trimethylbenzene	100		91		70-130	9		20
1,2,4-Trimethylbenzene	94		86		70-130	9		20
Ethyl ether	97		97		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		95		70-130
Toluene-d8	99		101		70-130
4-Bromofluorobenzene	107		106		70-130
Dibromofluoromethane	105		104		70-130

SEMIVOLATILES

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1011043
Report Date: 08/03/10

SAMPLE RESULTS

Lab ID:	L1011043-01	Date Collected:	07/21/10 08:28
Client ID:	RES #10	Date Received:	07/21/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/28/10 00:48
Analytical Date:	07/28/10 11:06		
Analyst:	HL		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	5.0	--	1
Benzidine	ND		ug/l	50	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	5.0	--	1
2-Chloronaphthalene	ND		ug/l	6.0	--	1
1,2-Dichlorobenzene	ND		ug/l	5.0	--	1
1,3-Dichlorobenzene	ND		ug/l	5.0	--	1
1,4-Dichlorobenzene	ND		ug/l	5.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	50	--	1
2,4-Dinitrotoluene	ND		ug/l	6.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	5.0	--	1
Fluoranthene	ND		ug/l	5.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	5.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	5.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	5.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	30	--	1
Hexachloroethane	ND		ug/l	5.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	5.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	5.0	--	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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1011043

Project Number: JI-1747 **Report Date:** 08/03/10

SAMPLE RESULTS

Lab ID: L1011043-01 Date Collected: 07/21/10 08:28

Client ID: RES #10 Date Received: 07/21/10

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/l	5.0	--	1
Acenaphthylene	ND		ug/l	5.0	--	1
Anthracene	ND		ug/l	5.0	--	1
Benzo(ghi)perylene	ND		ug/l	5.0	--	1
Fluorene	ND		ug/l	5.0	--	1
Phenanthrene	ND		ug/l	5.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	5.0	--	1
Pyrene	ND		ug/l	5.0	--	1
Aniline	ND		ug/l	20	--	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	7.0	--	1
Dibenzofuran	ND		ug/l	5.0	--	1
2-Methylnaphthalene	ND		ug/l	5.0	--	1
n-Nitrosodimethylamine	ND		ug/l	50	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	5.0	--	1
2-Chlorophenol	ND		ug/l	6.0	--	1
2,4-Dichlorophenol	ND		ug/l	10	--	1
2,4-Dimethylphenol	ND		ug/l	10	--	1
2-Nitrophenol	ND		ug/l	20	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	30	--	1
4,6-Dinitro-o-cresol	ND		ug/l	20	--	1
Phenol	ND		ug/l	7.0	--	1
2-Methylphenol	ND		ug/l	6.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	6.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	10	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	72		15-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1011043

Project Number: JI-1747 **Report Date:** 08/03/10

SAMPLE RESULTS

Lab ID:	L1011043-01	Date Collected:	07/21/10 08:28
Client ID:	RES #10	Date Received:	07/21/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Tribromophenol	83		10-120			
4-Terphenyl-d14	82		33-120			

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1011043
Report Date: 08/03/10

SAMPLE RESULTS

Lab ID:	L1011043-01	Date Collected:	07/21/10 08:28
Client ID:	RES #10	Date Received:	07/21/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/28/10 00:43
Analytical Date:	07/28/10 14:33		
Analyst:	HL		

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	28		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	87		10-120
4-Terphenyl-d14	98		33-120

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

Lab Number: L1011043
Report Date: 08/03/10

SAMPLE RESULTS

Lab ID:	L1011043-02	Date Collected:	07/21/10 09:07
Client ID:	RES #7	Date Received:	07/21/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/28/10 00:48
Analytical Date:	07/28/10 11:30		
Analyst:	HL		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	4.8	--	1
Benzidine	ND		ug/l	48	--	1
1,2,4-Trichlorobenzene	ND		ug/l	4.8	--	1
Bis(2-chloroethyl)ether	ND		ug/l	4.8	--	1
2-Chloronaphthalene	ND		ug/l	5.7	--	1
1,2-Dichlorobenzene	ND		ug/l	4.8	--	1
1,3-Dichlorobenzene	ND		ug/l	4.8	--	1
1,4-Dichlorobenzene	ND		ug/l	4.8	--	1
3,3'-Dichlorobenzidine	ND		ug/l	48	--	1
2,4-Dinitrotoluene	ND		ug/l	5.7	--	1
2,6-Dinitrotoluene	ND		ug/l	4.8	--	1
Azobenzene	ND		ug/l	4.8	--	1
Fluoranthene	ND		ug/l	4.8	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	4.8	--	1
4-Bromophenyl phenyl ether	ND		ug/l	4.8	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	4.8	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	4.8	--	1
Hexachlorocyclopentadiene	ND		ug/l	29	--	1
Hexachloroethane	ND		ug/l	4.8	--	1
Isophorone	ND		ug/l	4.8	--	1
Naphthalene	ND		ug/l	4.8	--	1
Nitrobenzene	ND		ug/l	4.8	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	14	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	4.8	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	4.8	--	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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1011043

Project Number: JI-1747 **Report Date:** 08/03/10

SAMPLE RESULTS

Lab ID: L1011043-02 Date Collected: 07/21/10 09:07

Client ID: RES #7 Date Received: 07/21/10

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/l	4.8	--	1
Acenaphthylene	ND		ug/l	4.8	--	1
Anthracene	ND		ug/l	4.8	--	1
Benzo(ghi)perylene	ND		ug/l	4.8	--	1
Fluorene	ND		ug/l	4.8	--	1
Phenanthrene	ND		ug/l	4.8	--	1
Dibenzo(a,h)anthracene	ND		ug/l	4.8	--	1
Pyrene	ND		ug/l	4.8	--	1
Aniline	ND		ug/l	19	--	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	6.7	--	1
Dibenzofuran	ND		ug/l	4.8	--	1
2-Methylnaphthalene	ND		ug/l	4.8	--	1
n-Nitrosodimethylamine	ND		ug/l	48	--	1
2,4,6-Trichlorophenol	ND		ug/l	4.8	--	1
P-Chloro-M-Cresol	ND		ug/l	4.8	--	1
2-Chlorophenol	ND		ug/l	5.7	--	1
2,4-Dichlorophenol	ND		ug/l	9.6	--	1
2,4-Dimethylphenol	ND		ug/l	9.6	--	1
2-Nitrophenol	ND		ug/l	19	--	1
4-Nitrophenol	ND		ug/l	9.6	--	1
2,4-Dinitrophenol	ND		ug/l	29	--	1
4,6-Dinitro-o-cresol	ND		ug/l	19	--	1
Phenol	ND		ug/l	6.7	--	1
2-Methylphenol	ND		ug/l	5.7	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.7	--	1
2,4,5-Trichlorophenol	ND		ug/l	4.8	--	1
Benzyl Alcohol	ND		ug/l	9.6	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	70		15-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1011043

Project Number: JI-1747 **Report Date:** 08/03/10

SAMPLE RESULTS

Lab ID:	L1011043-02	Date Collected:	07/21/10 09:07
Client ID:	RES #7	Date Received:	07/21/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Tribromophenol	78		10-120			
4-Terphenyl-d14	82		33-120			

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1011043
Report Date: 08/03/10

SAMPLE RESULTS

Lab ID:	L1011043-02	Date Collected:	07/21/10 09:07
Client ID:	RES #7	Date Received:	07/21/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/28/10 00:43
Analytical Date:	07/28/10 15:05		
Analyst:	HL		

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	0.76	--	1
Hexachlorobenzene	ND		ug/l	0.76	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	87		10-120
4-Terphenyl-d14	101		33-120

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

Lab Number: L1011043
Report Date: 08/03/10

SAMPLE RESULTS

Lab ID:	L1011043-03	Date Collected:	07/21/10 09:30
Client ID:	RES #11	Date Received:	07/21/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/28/10 00:48
Analytical Date:	07/28/10 11:55		
Analyst:	HL		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	5.0	--	1
Benzidine	ND		ug/l	50	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	5.0	--	1
2-Chloronaphthalene	ND		ug/l	6.0	--	1
1,2-Dichlorobenzene	ND		ug/l	5.0	--	1
1,3-Dichlorobenzene	ND		ug/l	5.0	--	1
1,4-Dichlorobenzene	ND		ug/l	5.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	50	--	1
2,4-Dinitrotoluene	ND		ug/l	6.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	5.0	--	1
Fluoranthene	ND		ug/l	5.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	5.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	5.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	5.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	30	--	1
Hexachloroethane	ND		ug/l	5.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	5.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	5.0	--	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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1011043

Project Number: JI-1747 **Report Date:** 08/03/10

SAMPLE RESULTS

Lab ID:	L1011043-03	Date Collected:	07/21/10 09:30
Client ID:	RES #11	Date Received:	07/21/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/l	5.0	--	1
Acenaphthylene	ND		ug/l	5.0	--	1
Anthracene	ND		ug/l	5.0	--	1
Benzo(ghi)perylene	ND		ug/l	5.0	--	1
Fluorene	ND		ug/l	5.0	--	1
Phenanthrene	ND		ug/l	5.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	5.0	--	1
Pyrene	ND		ug/l	5.0	--	1
Aniline	ND		ug/l	20	--	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	7.0	--	1
Dibenzofuran	ND		ug/l	5.0	--	1
2-Methylnaphthalene	ND		ug/l	5.0	--	1
n-Nitrosodimethylamine	ND		ug/l	50	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	5.0	--	1
2-Chlorophenol	ND		ug/l	6.0	--	1
2,4-Dichlorophenol	ND		ug/l	10	--	1
2,4-Dimethylphenol	ND		ug/l	10	--	1
2-Nitrophenol	ND		ug/l	20	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	30	--	1
4,6-Dinitro-o-cresol	ND		ug/l	20	--	1
Phenol	ND		ug/l	7.0	--	1
2-Methylphenol	ND		ug/l	6.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	6.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	10	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	62		15-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1011043

Project Number: JI-1747 **Report Date:** 08/03/10

SAMPLE RESULTS

Lab ID:	L1011043-03	Date Collected:	07/21/10 09:30
Client ID:	RES #11	Date Received:	07/21/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Tribromophenol	72		10-120			
4-Terphenyl-d14	78		33-120			

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1011043
Report Date: 08/03/10

SAMPLE RESULTS

Lab ID:	L1011043-03	Date Collected:	07/21/10 09:30
Client ID:	RES #11	Date Received:	07/21/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/28/10 00:43
Analytical Date:	07/28/10 15:36		
Analyst:	HL		

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	69		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	85		10-120
4-Terphenyl-d14	101		33-120

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1011043
Report Date: 08/03/10

SAMPLE RESULTS

Lab ID:	L1011043-04	Date Collected:	07/21/10 09:30
Client ID:	DUP (RES #11)	Date Received:	07/21/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/28/10 00:48
Analytical Date:	07/28/10 12:20		
Analyst:	HL		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	4.9	--	1
Benzidine	ND		ug/l	49	--	1
1,2,4-Trichlorobenzene	ND		ug/l	4.9	--	1
Bis(2-chloroethyl)ether	ND		ug/l	4.9	--	1
2-Chloronaphthalene	ND		ug/l	5.9	--	1
1,2-Dichlorobenzene	ND		ug/l	4.9	--	1
1,3-Dichlorobenzene	ND		ug/l	4.9	--	1
1,4-Dichlorobenzene	ND		ug/l	4.9	--	1
3,3'-Dichlorobenzidine	ND		ug/l	49	--	1
2,4-Dinitrotoluene	ND		ug/l	5.9	--	1
2,6-Dinitrotoluene	ND		ug/l	4.9	--	1
Azobenzene	ND		ug/l	4.9	--	1
Fluoranthene	ND		ug/l	4.9	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	4.9	--	1
4-Bromophenyl phenyl ether	ND		ug/l	4.9	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	4.9	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	4.9	--	1
Hexachlorocyclopentadiene	ND		ug/l	30	--	1
Hexachloroethane	ND		ug/l	4.9	--	1
Isophorone	ND		ug/l	4.9	--	1
Naphthalene	ND		ug/l	4.9	--	1
Nitrobenzene	ND		ug/l	4.9	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	4.9	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	4.9	--	1
Butyl benzyl phthalate	ND		ug/l	4.9	--	1
Di-n-butylphthalate	ND		ug/l	4.9	--	1
Di-n-octylphthalate	ND		ug/l	4.9	--	1
Diethyl phthalate	ND		ug/l	4.9	--	1
Dimethyl phthalate	ND		ug/l	4.9	--	1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1011043

Project Number: JI-1747 **Report Date:** 08/03/10

SAMPLE RESULTS

Lab ID: L1011043-04 Date Collected: 07/21/10 09:30

Client ID: DUP (RES #11) Date Received: 07/21/10

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/l	4.9	--	1
Acenaphthylene	ND		ug/l	4.9	--	1
Anthracene	ND		ug/l	4.9	--	1
Benzo(ghi)perylene	ND		ug/l	4.9	--	1
Fluorene	ND		ug/l	4.9	--	1
Phenanthrene	ND		ug/l	4.9	--	1
Dibenzo(a,h)anthracene	ND		ug/l	4.9	--	1
Pyrene	ND		ug/l	4.9	--	1
Aniline	ND		ug/l	20	--	1
4-Chloroaniline	ND		ug/l	4.9	--	1
2-Nitroaniline	ND		ug/l	4.9	--	1
3-Nitroaniline	ND		ug/l	4.9	--	1
4-Nitroaniline	ND		ug/l	6.9	--	1
Dibenzofuran	ND		ug/l	4.9	--	1
2-Methylnaphthalene	ND		ug/l	4.9	--	1
n-Nitrosodimethylamine	ND		ug/l	49	--	1
2,4,6-Trichlorophenol	ND		ug/l	4.9	--	1
P-Chloro-M-Cresol	ND		ug/l	4.9	--	1
2-Chlorophenol	ND		ug/l	5.9	--	1
2,4-Dichlorophenol	ND		ug/l	9.9	--	1
2,4-Dimethylphenol	ND		ug/l	9.9	--	1
2-Nitrophenol	ND		ug/l	20	--	1
4-Nitrophenol	ND		ug/l	9.9	--	1
2,4-Dinitrophenol	ND		ug/l	30	--	1
4,6-Dinitro-o-cresol	ND		ug/l	20	--	1
Phenol	ND		ug/l	6.9	--	1
2-Methylphenol	ND		ug/l	5.9	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.9	--	1
2,4,5-Trichlorophenol	ND		ug/l	4.9	--	1
Benzyl Alcohol	ND		ug/l	9.9	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	67		15-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1011043

Project Number: JI-1747 **Report Date:** 08/03/10

SAMPLE RESULTS

Lab ID:	L1011043-04	Date Collected:	07/21/10 09:30
Client ID:	DUP (RES #11)	Date Received:	07/21/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Tribromophenol	77		10-120			
4-Terphenyl-d14	88		33-120			

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1011043
Report Date: 08/03/10

SAMPLE RESULTS

Lab ID:	L1011043-04	Date Collected:	07/21/10 09:30
Client ID:	DUP (RES #11)	Date Received:	07/21/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/28/10 00:43
Analytical Date:	07/28/10 16:08		
Analyst:	HL		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Hexachlorobutadiene	ND		ug/l	0.49	--	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	0.79	--	1
Hexachlorobenzene	ND		ug/l	0.79	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	85		10-120
4-Terphenyl-d14	100		33-120

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1011043
Report Date: 08/03/10

SAMPLE RESULTS

Lab ID:	L1011043-05	Date Collected:	07/21/10 11:40
Client ID:	MW7BR	Date Received:	07/21/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	07/28/10 00:48
Analytical Date:	07/28/10 12:46		
Analyst:	HL		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	5.0	--	1
Benzidine	ND		ug/l	50	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	5.0	--	1
2-Chloronaphthalene	ND		ug/l	6.0	--	1
1,2-Dichlorobenzene	ND		ug/l	5.0	--	1
1,3-Dichlorobenzene	ND		ug/l	5.0	--	1
1,4-Dichlorobenzene	ND		ug/l	5.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	50	--	1
2,4-Dinitrotoluene	ND		ug/l	6.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	5.0	--	1
Fluoranthene	ND		ug/l	5.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	5.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	5.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	5.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	30	--	1
Hexachloroethane	ND		ug/l	5.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	5.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	5.0	--	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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1011043

Project Number: JI-1747 **Report Date:** 08/03/10

SAMPLE RESULTS

Lab ID: L1011043-05 Date Collected: 07/21/10 11:40

Client ID: MW7BR Date Received: 07/21/10

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/l	5.0	--	1
Acenaphthylene	ND		ug/l	5.0	--	1
Anthracene	ND		ug/l	5.0	--	1
Benzo(ghi)perylene	ND		ug/l	5.0	--	1
Fluorene	ND		ug/l	5.0	--	1
Phenanthrene	ND		ug/l	5.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	5.0	--	1
Pyrene	ND		ug/l	5.0	--	1
Aniline	ND		ug/l	20	--	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	7.0	--	1
Dibenzofuran	ND		ug/l	5.0	--	1
2-Methylnaphthalene	ND		ug/l	5.0	--	1
n-Nitrosodimethylamine	ND		ug/l	50	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	5.0	--	1
2-Chlorophenol	ND		ug/l	6.0	--	1
2,4-Dichlorophenol	ND		ug/l	10	--	1
2,4-Dimethylphenol	ND		ug/l	10	--	1
2-Nitrophenol	ND		ug/l	20	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	30	--	1
4,6-Dinitro-o-cresol	ND		ug/l	20	--	1
Phenol	ND		ug/l	7.0	--	1
2-Methylphenol	ND		ug/l	6.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	6.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	10	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**0**	Q	21-120
Phenol-d6	**0**	Q	10-120
Nitrobenzene-d5	**0**	Q	23-120
2-Fluorobiphenyl	**0**	Q	15-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1011043

Project Number: JI-1747 **Report Date:** 08/03/10

SAMPLE RESULTS

Lab ID:	L1011043-05	Date Collected:	07/21/10 11:40
Client ID:	MW7BR	Date Received:	07/21/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Tribromophenol	**0**	Q	10-120			
4-Terphenyl-d14	**0**	Q	33-120			

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1011043
Report Date: 08/03/10

SAMPLE RESULTS

Lab ID:	L1011043-05	Date Collected:	07/21/10 11:40
Client ID:	MW7BR	Date Received:	07/21/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM	Extraction Date:	07/28/10 00:43
Analytical Date:	07/28/10 17:54		
Analyst:	HL		

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	**0**	Q	21-120
Phenol-d6	**0**	Q	10-120
Nitrobenzene-d5	**0**	Q	23-120
2-Fluorobiphenyl	**0**	Q	15-120
2,4,6-Tribromophenol	**0**	Q	10-120
4-Terphenyl-d14	**0**	Q	33-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1011043

Project Number: JI-1747 **Report Date:** 08/03/10

SAMPLE RESULTS

Lab ID:	L1011043-05	RE	Date Collected:	07/21/10 11:40
Client ID:	MW7BR		Date Received:	07/21/10
Sample Location:	SOUTH KINGSTOWN, RI		Field Prep:	Not Specified
Matrix:	Water		Extraction Method:	EPA 3510C
Analytical Method:	1,8270C		Extraction Date:	07/31/10 23:45
Analytical Date:	07/31/10 13:34			
Analyst:	HL			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	5.0	--	1
Benzidine	ND		ug/l	50	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	5.0	--	1
2-Chloronaphthalene	ND		ug/l	6.0	--	1
1,2-Dichlorobenzene	ND		ug/l	5.0	--	1
1,3-Dichlorobenzene	ND		ug/l	5.0	--	1
1,4-Dichlorobenzene	ND		ug/l	5.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	50	--	1
2,4-Dinitrotoluene	ND		ug/l	6.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	5.0	--	1
Fluoranthene	ND		ug/l	5.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	5.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	5.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	5.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	30	--	1
Hexachloroethane	ND		ug/l	5.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	5.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	5.0	--	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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1011043

Project Number: JI-1747 **Report Date:** 08/03/10

SAMPLE RESULTS

Lab ID: L1011043-05 RE Date Collected: 07/21/10 11:40

Client ID: MW7BR Date Received: 07/21/10

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/l	5.0	--	1
Acenaphthylene	ND		ug/l	5.0	--	1
Anthracene	ND		ug/l	5.0	--	1
Benzo(ghi)perylene	ND		ug/l	5.0	--	1
Fluorene	ND		ug/l	5.0	--	1
Phenanthrene	ND		ug/l	5.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	5.0	--	1
Pyrene	ND		ug/l	5.0	--	1
Aniline	ND		ug/l	20	--	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	7.0	--	1
Dibenzofuran	ND		ug/l	5.0	--	1
2-Methylnaphthalene	ND		ug/l	5.0	--	1
n-Nitrosodimethylamine	ND		ug/l	50	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	5.0	--	1
2-Chlorophenol	ND		ug/l	6.0	--	1
2,4-Dichlorophenol	ND		ug/l	10	--	1
2,4-Dimethylphenol	ND		ug/l	10	--	1
2-Nitrophenol	ND		ug/l	20	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	30	--	1
4,6-Dinitro-o-cresol	ND		ug/l	20	--	1
Phenol	ND		ug/l	7.0	--	1
2-Methylphenol	ND		ug/l	6.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	6.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzyl Alcohol	ND		ug/l	10	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	77		15-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1011043

Project Number: JI-1747 **Report Date:** 08/03/10

SAMPLE RESULTS

Lab ID:	L1011043-05	RE	Date Collected:	07/21/10 11:40
Client ID:	MW7BR		Date Received:	07/21/10
Sample Location:	SOUTH KINGSTOWN, RI		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Tribromophenol	103		10-120			
4-Terphenyl-d14	104		33-120			

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1011043
Report Date: 08/03/10

SAMPLE RESULTS

Lab ID:	L1011043-05	RE	Date Collected:	07/21/10 11:40
Client ID:	MW7BR		Date Received:	07/21/10
Sample Location:	SOUTH KINGSTOWN, RI		Field Prep:	Not Specified
Matrix:	Water		Extraction Method:	EPA 3510C
Analytical Method:	1,8270C-SIM		Extraction Date:	07/31/10 02:00
Analytical Date:	07/31/10 12:30			
Analyst:	HL			

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	30		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	101		10-120
4-Terphenyl-d14	94		33-120

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

Lab Number: L1011043
Report Date: 08/03/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C-SIM
Analytical Date: 07/28/10 10:53
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 07/28/10 00:43

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-05 Batch: WG424760-1					
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	65		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	100		10-120
4-Terphenyl-d14	120		33-120

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

Lab Number: L1011043
Report Date: 08/03/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 07/28/10 08:10
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 07/28/10 00:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG425376-1					
Acenaphthene	ND		ug/l	5.0	--
Benzidine	ND		ug/l	50	--
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--
Bis(2-chloroethyl)ether	ND		ug/l	5.0	--
2-Chloronaphthalene	ND		ug/l	6.0	--
1,2-Dichlorobenzene	ND		ug/l	5.0	--
1,3-Dichlorobenzene	ND		ug/l	5.0	--
1,4-Dichlorobenzene	ND		ug/l	5.0	--
3,3'-Dichlorobenzidine	ND		ug/l	50	--
2,4-Dinitrotoluene	ND		ug/l	6.0	--
2,6-Dinitrotoluene	ND		ug/l	5.0	--
Azobenzene	ND		ug/l	5.0	--
Fluoranthene	ND		ug/l	5.0	--
4-Chlorophenyl phenyl ether	ND		ug/l	5.0	--
4-Bromophenyl phenyl ether	ND		ug/l	5.0	--
Bis(2-chloroisopropyl)ether	ND		ug/l	5.0	--
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--
Hexachlorocyclopentadiene	ND		ug/l	30	--
Hexachloroethane	ND		ug/l	5.0	--
Isophorone	ND		ug/l	5.0	--
Naphthalene	ND		ug/l	5.0	--
Nitrobenzene	ND		ug/l	5.0	--
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--
Bis(2-Ethylhexyl)phthalate	ND		ug/l	5.0	--
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	5.0	--

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

Lab Number: L1011043
Report Date: 08/03/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 07/28/10 08:10
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 07/28/10 00:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG425376-1					
Acenaphthylene	ND		ug/l	5.0	--
Anthracene	ND		ug/l	5.0	--
Benzo(ghi)perylene	ND		ug/l	5.0	--
Fluorene	ND		ug/l	5.0	--
Phenanthrene	ND		ug/l	5.0	--
Dibenzo(a,h)anthracene	ND		ug/l	5.0	--
Pyrene	ND		ug/l	5.0	--
Aniline	ND		ug/l	20	--
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	7.0	--
Dibenzofuran	ND		ug/l	5.0	--
2-Methylnaphthalene	ND		ug/l	5.0	--
n-Nitrosodimethylamine	ND		ug/l	50	--
2,4,6-Trichlorophenol	ND		ug/l	5.0	--
P-Chloro-M-Cresol	ND		ug/l	5.0	--
2-Chlorophenol	ND		ug/l	6.0	--
2,4-Dichlorophenol	ND		ug/l	10	--
2,4-Dimethylphenol	ND		ug/l	10	--
2-Nitrophenol	ND		ug/l	20	--
4-Nitrophenol	ND		ug/l	10	--
2,4-Dinitrophenol	ND		ug/l	30	--
4,6-Dinitro-o-cresol	ND		ug/l	20	--
Phenol	ND		ug/l	7.0	--
2-Methylphenol	ND		ug/l	6.0	--
3-Methylphenol/4-Methylphenol	ND		ug/l	6.0	--
2,4,5-Trichlorophenol	ND		ug/l	5.0	--
Benzyl Alcohol	ND		ug/l	10	--

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

Lab Number: L1011043
Report Date: 08/03/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 07/28/10 08:10
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 07/28/10 00:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG425376-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	99		10-120
4-Terphenyl-d14	101		33-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1011043
Report Date: 08/03/10

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: WG424760-2 WG424760-3								
Pentachlorophenol	**120**	Q	**116**	Q	9-103	3		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	64		13	Q	21-120
Phenol-d6	45		15		10-120
Nitrobenzene-d5	87		27		23-120
2-Fluorobiphenyl	89		47		15-120
2,4,6-Tribromophenol	100		98		10-120
4-Terphenyl-d14	109		116		33-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1011043
Report Date: 08/03/10

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: WG425376-2 WG425376-3								
Acenaphthene	76		85		37-111	11		30
1,2,4-Trichlorobenzene	62		71		39-98	14		30
1,4-Dichlorobenzene	64		70		36-97	9		30
2,4-Dinitrotoluene	84		95		24-96	12		30
n-Nitrosodi-n-propylamine	76		80		41-116	5		30
Pyrene	91		97		26-127	6		30
P-Chloro-M-Cresol	83		89		23-97	7		30
2-Chlorophenol	72		76		27-123	5		30
4-Nitrophenol	54		60		10-80	11		30
Pentachlorophenol	85		82		9-103	4		30
Phenol	33		35		12-110	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	50		48		21-120
Phenol-d6	31		30		10-120
Nitrobenzene-d5	81		81		23-120
2-Fluorobiphenyl	77		78		15-120
2,4,6-Tribromophenol	92		92		10-120
4-Terphenyl-d14	91		94		33-120

METALS

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1011043
Project Number:	JI-1747	**Report Date:**	08/03/10

SAMPLE RESULTS

Lab ID:	L1011043-01	Date Collected:	07/21/10 08:28
Client ID:	RES #10	Date Received:	07/21/10
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	07/22/10 12:30	07/24/10 01:23	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:23	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:23	EPA 3005A	1,6020	BM
Barium, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:23	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:23	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:23	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:23	EPA 3005A	1,6020	BM
Lead, Total	0.0008		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:23	EPA 3005A	1,6020	BM
Manganese, Total	ND		mg/l	0.0010	--	1	07/22/10 12:30	07/24/10 01:23	EPA 3005A	1,6020	BM
Sodium, Total	27		mg/l	2.0	--	1	07/22/10 12:30	07/22/10 19:05	EPA 3005A	1,6010B	TD
Thallium, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:23	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:23	EPA 3005A	1,6020	BM
Zinc, Total	0.0089		mg/l	0.0050	--	1	07/22/10 12:30	07/24/10 01:23	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1011043
Project Number:	JI-1747	**Report Date:**	08/03/10

SAMPLE RESULTS

Lab ID:	L1011043-02	Date Collected:	07/21/10 09:07
Client ID:	RES #7	Date Received:	07/21/10
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	0.014		mg/l	0.010	--	1	07/22/10 12:30	07/24/10 01:29	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:29	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:29	EPA 3005A	1,6020	BM
Barium, Total	0.0015		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:29	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:29	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:29	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:29	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:29	EPA 3005A	1,6020	BM
Manganese, Total	0.0019		mg/l	0.0010	--	1	07/22/10 12:30	07/24/10 01:29	EPA 3005A	1,6020	BM
Sodium, Total	29		mg/l	2.0	--	1	07/22/10 12:30	07/22/10 19:08	EPA 3005A	1,6010B	TD
Thallium, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:29	EPA 3005A	1,6020	BM
Vanadium, Total	0.0007		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:29	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	--	1	07/22/10 12:30	07/24/10 01:29	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL
Lab Number: L1011043
Project Number: JI-1747
Report Date: 08/03/10

SAMPLE RESULTS

Lab ID: L1011043-03
Client ID: RES #11
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/21/10 09:30
Date Received: 07/21/10
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	07/22/10 12:30	07/24/10 01:35	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:35	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:35	EPA 3005A	1,6020	BM
Barium, Total	0.0053		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:35	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:35	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:35	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:35	EPA 3005A	1,6020	BM
Lead, Total	0.0017		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:35	EPA 3005A	1,6020	BM
Manganese, Total	0.1826		mg/l	0.0010	--	1	07/22/10 12:30	07/24/10 01:35	EPA 3005A	1,6020	BM
Sodium, Total	5.8		mg/l	2.0	--	1	07/22/10 12:30	07/22/10 19:11	EPA 3005A	1,6010B	TD
Thallium, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:35	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:35	EPA 3005A	1,6020	BM
Zinc, Total	0.00790		mg/l	0.0050	--	1	07/22/10 12:30	07/24/10 01:35	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1011043
Project Number:	JI-1747	**Report Date:**	08/03/10

SAMPLE RESULTS

Lab ID:	L1011043-04	Date Collected:	07/21/10 09:30
Client ID:	DUP (RES #11)	Date Received:	07/21/10
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	07/22/10 12:30	07/24/10 01:41	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:41	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:41	EPA 3005A	1,6020	BM
Barium, Total	0.0050		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:41	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:41	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:41	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:41	EPA 3005A	1,6020	BM
Lead, Total	0.0025		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:41	EPA 3005A	1,6020	BM
Manganese, Total	0.1778		mg/l	0.0010	--	1	07/22/10 12:30	07/24/10 01:41	EPA 3005A	1,6020	BM
Sodium, Total	5.8		mg/l	2.0	--	1	07/22/10 12:30	07/22/10 19:33	EPA 3005A	1,6010B	TD
Thallium, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:41	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:41	EPA 3005A	1,6020	BM
Zinc, Total	0.0091		mg/l	0.0050	--	1	07/22/10 12:30	07/24/10 01:41	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL
Lab Number: L1011043
Project Number: JI-1747
Report Date: 08/03/10

SAMPLE RESULTS

Lab ID: L1011043-05
Client ID: MW7BR
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/21/10 11:40
Date Received: 07/21/10
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	0.023		mg/l	0.010	--	1	07/22/10 12:30	07/24/10 01:47	EPA 3005A	1,6020	BM
Antimony, Total	0.0014		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:47	EPA 3005A	1,6020	BM
Arsenic, Total	0.0008		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:47	EPA 3005A	1,6020	BM
Barium, Total	0.0178		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:47	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:47	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:47	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:47	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:47	EPA 3005A	1,6020	BM
Manganese, Total	0.0022		mg/l	0.0010	--	1	07/22/10 12:30	07/24/10 01:47	EPA 3005A	1,6020	BM
Sodium, Total	55		mg/l	2.0	--	1	07/22/10 12:30	07/22/10 19:36	EPA 3005A	1,6010B	TD
Thallium, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:47	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:47	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	--	1	07/22/10 12:30	07/24/10 01:47	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL
Lab Number: L1011043
Project Number: JI-1747
Report Date: 08/03/10

SAMPLE RESULTS

Lab ID: L1011043-06
Client ID: SW 2
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/21/10 10:10
Date Received: 07/21/10
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	0.397		mg/l	0.010	--	1	07/22/10 12:30	07/24/10 01:54	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:54	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:54	EPA 3005A	1,6020	BM
Chromium, Total	0.0007		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:54	EPA 3005A	1,6020	BM
Copper, Total	0.0040		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:54	EPA 3005A	1,6020	BM
Iron, Total	0.662		mg/l	0.050	--	1	07/22/10 12:30	07/24/10 01:54	EPA 3005A	1,6020	BM
Lead, Total	0.0028		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:54	EPA 3005A	1,6020	BM
Manganese, Total	0.1167		mg/l	0.0010	--	1	07/22/10 12:30	07/24/10 01:54	EPA 3005A	1,6020	BM
Nickel, Total	0.0010		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:54	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 01:54	EPA 3005A	1,6020	BM
Zinc, Total	0.0218		mg/l	0.0050	--	1	07/22/10 12:30	07/24/10 01:54	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab											
Hardness	19		mg/l	0.66	--	1	07/22/10 12:30	07/22/10 19:40	EPA 3005A	1,6010B	TD
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.054		mg/l	0.010	--	1	07/27/10 17:30	07/29/10 16:59	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 16:59	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 16:59	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 16:59	EPA 3005A	1,6020	BM
Copper, Dissolved	0.0035		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 16:59	EPA 3005A	1,6020	BM
Iron, Dissolved	0.166		mg/l	0.050	--	1	07/27/10 17:30	07/29/10 16:59	EPA 3005A	1,6020	BM
Lead, Dissolved	ND		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 16:59	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.0269		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 16:59	EPA 3005A	1,6020	BM
Nickel, Dissolved	0.0007		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 16:59	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 16:59	EPA 3005A	1,6020	BM
Zinc, Dissolved	0.0128		mg/l	0.0050	--	1	07/27/10 17:30	07/29/10 16:59	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1011043
Report Date: 08/03/10

SAMPLE RESULTS

Lab ID: L1011043-07
Client ID: SW 1
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/21/10 10:26
Date Received: 07/21/10
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	0.057		mg/l	0.010	--	1	07/22/10 12:30	07/24/10 02:00	EPA 3005A	1,6020	BM
Arsenic, Total	0.0010		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 02:00	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 02:00	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 02:00	EPA 3005A	1,6020	BM
Copper, Total	0.0010		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 02:00	EPA 3005A	1,6020	BM
Iron, Total	3.17		mg/l	0.050	--	1	07/22/10 12:30	07/24/10 02:00	EPA 3005A	1,6020	BM
Lead, Total	0.0155		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 02:00	EPA 3005A	1,6020	BM
Manganese, Total	0.3298		mg/l	0.0010	--	1	07/22/10 12:30	07/24/10 02:00	EPA 3005A	1,6020	BM
Nickel, Total	0.0005		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 02:00	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 02:00	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	--	1	07/22/10 12:30	07/24/10 02:00	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab											
Hardness	13		mg/l	0.66	--	1	07/22/10 12:30	07/22/10 19:43	EPA 3005A	1,6010B	TD
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	ND		mg/l	0.010	--	1	07/27/10 17:30	07/29/10 17:17	EPA 3005A	1,6020	BM
Arsenic, Dissolved	0.0008		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 17:17	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 17:17	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 17:17	EPA 3005A	1,6020	BM
Copper, Dissolved	0.0012		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 17:17	EPA 3005A	1,6020	BM
Iron, Dissolved	0.579		mg/l	0.050	--	1	07/27/10 17:30	07/29/10 17:17	EPA 3005A	1,6020	BM
Lead, Dissolved	0.0018		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 17:17	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.2658		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 17:17	EPA 3005A	1,6020	BM
Nickel, Dissolved	ND		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 17:17	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 17:17	EPA 3005A	1,6020	BM
Zinc, Dissolved	0.0110		mg/l	0.0050	--	1	07/27/10 17:30	07/29/10 17:17	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL
Lab Number: L1011043
Project Number: JI-1747
Report Date: 08/03/10

SAMPLE RESULTS

Lab ID: L1011043-08
Client ID: SW 13
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/21/10 11:17
Date Received: 07/21/10
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	0.174		mg/l	0.010	--	1	07/22/10 12:30	07/24/10 02:24	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 02:24	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 02:24	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 02:24	EPA 3005A	1,6020	BM
Copper, Total	0.0032		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 02:24	EPA 3005A	1,6020	BM
Iron, Total	0.442		mg/l	0.050	--	1	07/22/10 12:30	07/24/10 02:24	EPA 3005A	1,6020	BM
Lead, Total	0.0013		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 02:24	EPA 3005A	1,6020	BM
Manganese, Total	0.0176		mg/l	0.0010	--	1	07/22/10 12:30	07/24/10 02:24	EPA 3005A	1,6020	BM
Nickel, Total	0.0012		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 02:24	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 02:24	EPA 3005A	1,6020	BM
Zinc, Total	0.1628		mg/l	0.0050	--	1	07/22/10 12:30	07/24/10 02:24	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab											
Hardness	11		mg/l	0.66	--	1	07/22/10 12:30	07/22/10 18:44	EPA 3005A	1,6010B	TD
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.103		mg/l	0.010	--	1	07/27/10 17:30	07/29/10 17:35	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 17:35	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 17:35	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 17:35	EPA 3005A	1,6020	BM
Copper, Dissolved	0.0024		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 17:35	EPA 3005A	1,6020	BM
Iron, Dissolved	0.222		mg/l	0.050	--	1	07/27/10 17:30	07/29/10 17:35	EPA 3005A	1,6020	BM
Lead, Dissolved	0.0005		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 17:35	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.0091		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 17:35	EPA 3005A	1,6020	BM
Nickel, Dissolved	0.0008		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 17:35	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 17:35	EPA 3005A	1,6020	BM
Zinc, Dissolved	0.0160		mg/l	0.0050	--	1	07/27/10 17:30	07/29/10 17:35	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1011043
Report Date: 08/03/10

SAMPLE RESULTS

Lab ID: L1011043-09
Client ID: SW 06
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/21/10 12:10
Date Received: 07/21/10
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	0.076		mg/l	0.010	--	1	07/22/10 12:30	07/24/10 02:48	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 02:48	EPA 3005A	1,6020	BM
Cadmium, Total	0.0086		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 02:48	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 02:48	EPA 3005A	1,6020	BM
Copper, Total	0.0026		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 02:48	EPA 3005A	1,6020	BM
Iron, Total	1.09		mg/l	0.050	--	1	07/22/10 12:30	07/24/10 02:48	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 02:48	EPA 3005A	1,6020	BM
Manganese, Total	0.2323		mg/l	0.0010	--	1	07/22/10 12:30	07/24/10 02:48	EPA 3005A	1,6020	BM
Nickel, Total	0.0013		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 02:48	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 02:48	EPA 3005A	1,6020	BM
Zinc, Total	0.0470		mg/l	0.0050	--	1	07/22/10 12:30	07/24/10 02:48	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab											
Hardness	22		mg/l	0.66	--	1	07/22/10 12:30	07/22/10 18:58	EPA 3005A	1,6010B	TD
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.038		mg/l	0.010	--	1	07/27/10 17:30	07/29/10 18:00	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 18:00	EPA 3005A	1,6020	BM
Cadmium, Dissolved	0.0068		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 18:00	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 18:00	EPA 3005A	1,6020	BM
Copper, Dissolved	0.0031		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 18:00	EPA 3005A	1,6020	BM
Iron, Dissolved	0.423		mg/l	0.050	--	1	07/27/10 17:30	07/29/10 18:00	EPA 3005A	1,6020	BM
Lead, Dissolved	ND		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 18:00	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.1968		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 18:00	EPA 3005A	1,6020	BM
Nickel, Dissolved	0.0012		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 18:00	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 18:00	EPA 3005A	1,6020	BM
Zinc, Dissolved	0.0413		mg/l	0.0050	--	1	07/27/10 17:30	07/29/10 18:00	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1011043
Report Date: 08/03/10

SAMPLE RESULTS

Lab ID: L1011043-10
Client ID: FIELD BLANK
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/21/10 12:30
Date Received: 07/21/10
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	07/22/10 12:30	07/24/10 02:54	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 02:54	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 02:54	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 02:54	EPA 3005A	1,6020	BM
Copper, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 02:54	EPA 3005A	1,6020	BM
Iron, Total	ND		mg/l	0.050	--	1	07/22/10 12:30	07/24/10 02:54	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 02:54	EPA 3005A	1,6020	BM
Manganese, Total	ND		mg/l	0.0010	--	1	07/22/10 12:30	07/24/10 02:54	EPA 3005A	1,6020	BM
Nickel, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 02:54	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/24/10 02:54	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	--	1	07/22/10 12:30	07/24/10 02:54	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab											
Hardness	ND		mg/l	0.66	--	1	07/22/10 12:30	07/22/10 19:01	EPA 3005A	1,6010B	TD
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	ND		mg/l	0.010	--	1	07/27/10 17:30	07/29/10 17:29	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 17:29	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 17:29	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 17:29	EPA 3005A	1,6020	BM
Copper, Dissolved	ND		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 17:29	EPA 3005A	1,6020	BM
Iron, Dissolved	ND		mg/l	0.050	--	1	07/27/10 17:30	07/29/10 17:29	EPA 3005A	1,6020	BM
Lead, Dissolved	ND		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 17:29	EPA 3005A	1,6020	BM
Manganese, Dissolved	ND		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 17:29	EPA 3005A	1,6020	BM
Nickel, Dissolved	ND		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 17:29	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 17:29	EPA 3005A	1,6020	BM
Zinc, Dissolved	ND		mg/l	0.0050	--	1	07/27/10 17:30	07/29/10 17:29	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL **Lab Number:** L1011043

Project Number: JI-1747 **Report Date:** 08/03/10

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): 01-10 Batch: WG423994-1										
Sodium, Total	ND		mg/l	2.0	--	1	07/22/10 12:30	07/22/10 18:26	1,6010B	TD

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): 01-10 Batch: WG423994-1										
Hardness	ND		mg/l	0.66	--	1	07/22/10 12:30	07/22/10 18:26	1,6010B	TD

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): 01-10 Batch: WG423995-1										
Aluminum, Total	ND		mg/l	0.010	--	1	07/22/10 12:30	07/23/10 20:20	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/23/10 20:20	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/23/10 20:20	1,6020	BM
Barium, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/23/10 20:20	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/23/10 20:20	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/23/10 20:20	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/23/10 20:20	1,6020	BM
Copper, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/23/10 20:20	1,6020	BM
Iron, Total	ND		mg/l	0.050	--	1	07/22/10 12:30	07/23/10 20:20	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/23/10 20:20	1,6020	BM
Manganese, Total	ND		mg/l	0.0010	--	1	07/22/10 12:30	07/23/10 20:20	1,6020	BM
Nickel, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/23/10 20:20	1,6020	BM
Silver, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/23/10 20:20	1,6020	BM
Thallium, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/23/10 20:20	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	--	1	07/22/10 12:30	07/23/10 20:20	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	--	1	07/22/10 12:30	07/23/10 20:20	1,6020	BM

Project Name: ROSE HILL LANDFILL **Lab Number:** L1011043

Project Number: JI-1747 **Report Date:** 08/03/10

Method Blank Analysis
Batch Quality Control

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): 06-10 Batch: WG424849-1										
Aluminum, Dissolved	ND		mg/l	0.010	--	1	07/27/10 17:30	07/29/10 16:41	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 16:41	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 16:41	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 16:41	1,6020	BM
Copper, Dissolved	ND		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 16:41	1,6020	BM
Iron, Dissolved	ND		mg/l	0.050	--	1	07/27/10 17:30	07/29/10 16:41	1,6020	BM
Lead, Dissolved	ND		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 16:41	1,6020	BM
Manganese, Dissolved	ND		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 16:41	1,6020	BM
Nickel, Dissolved	ND		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 16:41	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	--	1	07/27/10 17:30	07/29/10 16:41	1,6020	BM
Zinc, Dissolved	ND		mg/l	0.0050	--	1	07/27/10 17:30	07/29/10 16:41	1,6020	BM

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1011043
Report Date: 08/03/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-10 Batch: WG423994-2								
Sodium, Total	95		-		80-120	-		
Total Hardness by SM 2340B - Westborough Lab Associated sample(s): 01-10 Batch: WG423994-2								
Hardness	91		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1011043
Report Date: 08/03/10

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-10 Batch: WG423995-2					
Aluminum, Total	96	-	80-120	-	
Antimony, Total	92	-	80-120	-	
Arsenic, Total	99	-	80-120	-	
Barium, Total	97	-	80-120	-	
Beryllium, Total	97	-	80-120	-	
Cadmium, Total	116	-	80-120	-	
Chromium, Total	94	-	80-120	-	
Copper, Total	100	-	80-120	-	
Iron, Total	114	-	80-120	-	
Lead, Total	101	-	80-120	-	
Manganese, Total	96	-	80-120	-	
Nickel, Total	117	-	80-120	-	
Silver, Total	98	-	80-120	-	
Thallium, Total	92	-	80-120	-	
Vanadium, Total	93	-	80-120	-	
Zinc, Total	105	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1011043
Report Date: 08/03/10

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 06-10 Batch: WG424849-2					
Aluminum, Dissolved	98	-	80-120	-	
Arsenic, Dissolved	100	-	80-120	-	
Cadmium, Dissolved	117	-	80-120	-	
Chromium, Dissolved	95	-	80-120	-	
Copper, Dissolved	103	-	80-120	-	
Iron, Dissolved	110	-	80-120	-	
Lead, Dissolved	100	-	80-120	-	
Manganese, Dissolved	98	-	80-120	-	
Nickel, Dissolved	102	-	80-120	-	
Silver, Dissolved	99	-	80-120	-	
Zinc, Dissolved	102	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1011043
Report Date: 08/03/10

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): 01-10 QC Batch ID: WG423994-3 WG423994-4 QC Sample: L1011043-08 Client ID: SW 13												
Sodium, Total	9.9	10	19	91		19	91		75-125	0		20
Total Hardness by SM 2340B - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG423994-3 WG423994-4 QC Sample: L1011043-08 Client ID: SW 13												
Hardness	11	66.2	66	83		68	86		75-125	4		20
Total Metals - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG423995-3 WG423995-4 QC Sample: L1011043-08 Client ID: SW 13												
Aluminum, Total	0.174	2	2.00	91		1.98	90		80-120	1		20
Antimony, Total	ND	0.5	0.4304	86		0.4311	86		80-120	0		20
Arsenic, Total	ND	0.12	0.1159	96		0.1190	99		80-120	3		20
Barium, Total	0.0080	2	1.827	91		1.828	91		80-120	0		20
Beryllium, Total	ND	0.05	0.0461	92		0.0459	92		80-120	0		20
Cadmium, Total	ND	0.051	0.0600	118		0.0591	116		80-120	2		20
Chromium, Total	ND	0.2	0.1796	90		0.1778	89		80-120	1		20
Copper, Total	0.0032	0.25	0.2455	97		0.2442	96		80-120	1		20
Iron, Total	0.442	1	1.46	102		1.46	102		80-120	0		20
Lead, Total	0.0013	0.51	0.4920	96		0.4885	96		80-120	0		20
Manganese, Total	0.0176	0.5	0.4723	91		0.4679	90		80-120	1		20
Nickel, Total	0.0012	0.5	0.5677	113		0.5668	113		80-120	0		20
Silver, Total	ND	0.05	0.0448	90		0.0449	90		80-120	0		20
Thallium, Total	ND	0.12	0.1054	88		0.1052	88		80-120	0		20
Vanadium, Total	0.0011	0.5	0.4457	89		0.4438	88		80-120	1		20
Zinc, Total	0.1628	0.5	0.6563	99		0.6505	98		80-120	1		20

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1011043
Report Date: 08/03/10

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): 06-10 QC Batch ID: WG424849-3 WG424849-4 QC Sample: L1011043-08 Client ID: SW 13									
Aluminum, Dissolved	0.103	2	2.09	99	2.01	95	80-120	4	20
Arsenic, Dissolved	ND	0.12	0.1270	106	0.1223	102	80-120	4	20
Cadmium, Dissolved	ND	0.051	0.0615	120	0.0604	118	80-120	2	20
Chromium, Dissolved	ND	0.2	0.1944	97	0.1872	94	80-120	3	20
Copper, Dissolved	0.0024	0.25	0.2683	106	0.2585	102	80-120	4	20
Iron, Dissolved	0.222	1	1.34	112	1.29	107	80-120	5	20
Lead, Dissolved	0.0005	0.51	0.5311	104	0.5183	102	80-120	2	20
Manganese, Dissolved	0.0091	0.5	0.5033	99	0.4882	96	80-120	3	20
Nickel, Dissolved	0.0008	0.5	0.5231	104	0.5015	100	80-120	4	20
Silver, Dissolved	ND	0.05	0.0495	99	0.0489	98	80-120	1	20
Zinc, Dissolved	0.0160	0.5	0.5380	104	0.5211	101	80-120	3	20

INORGANICS
&
MISCELLANEOUS

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

Lab Number: L1011043
Report Date: 08/03/10

SAMPLE RESULTS

Lab ID: L1011043-06
Client ID: SW 2
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/21/10 10:10
Date Received: 07/21/10
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	0.019		mg/l	0.005	--	1	07/26/10 10:30	07/26/10 16:54	1,9010B/9012A	JO
Nitrogen, Ammonia	0.089		mg/l	0.075	--	1	07/23/10 14:00	07/27/10 20:46	30,4500NH3-BH	AT
Nitrogen, Nitrate	0.94		mg/l	0.10	--	1	-	07/22/10 21:48	30,4500NO3-F	DD
Phosphorus, Total	0.056		mg/l	0.010	--	1	-	07/22/10 13:57	30,4500P-E	ST
Sulfide	ND		mg/l	0.10	--	1	07/26/10 17:00	07/26/10 18:00	1,9030B	AT
Total Organic Carbon	6.6		mg/l	0.50	--	1	-	07/26/10 07:12	1,9060	DW

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

Lab Number: L1011043
Report Date: 08/03/10

SAMPLE RESULTS

Lab ID: L1011043-07
Client ID: SW 1
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/21/10 10:26
Date Received: 07/21/10
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	0.030		mg/l	0.005	--	1	07/26/10 10:30	07/26/10 16:55	1,9010B/9012A	JO
Nitrogen, Ammonia	0.282		mg/l	0.075	--	1	07/23/10 14:00	07/27/10 20:47	30,4500NH3-BH	AT
Nitrogen, Nitrate	ND		mg/l	0.10	--	1	-	07/22/10 21:48	30,4500NO3-F	DD
Phosphorus, Total	0.066		mg/l	0.010	--	1	-	07/22/10 13:57	30,4500P-E	ST
Sulfide	ND		mg/l	0.10	--	1	07/26/10 17:00	07/26/10 18:00	1,9030B	AT
Total Organic Carbon	7.3		mg/l	0.50	--	1	-	07/26/10 07:12	1,9060	DW

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

Lab Number: L1011043
Report Date: 08/03/10

SAMPLE RESULTS

Lab ID: L1011043-08
Client ID: SW 13
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/21/10 11:17
Date Received: 07/21/10
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	07/26/10 10:30	07/26/10 16:56	1,9010B/9012A	JO
Nitrogen, Ammonia	0.079		mg/l	0.075	--	1	07/23/10 14:00	07/27/10 20:48	30,4500NH3-BH	AT
Nitrogen, Nitrate	1.4		mg/l	0.10	--	1	-	07/22/10 21:49	30,4500NO3-F	DD
Phosphorus, Total	0.034		mg/l	0.010	--	1	-	07/22/10 13:59	30,4500P-E	ST
Sulfide	ND		mg/l	0.10	--	1	07/26/10 17:00	07/26/10 18:00	1,9030B	AT
Total Organic Carbon	6.9		mg/l	0.50	--	1	-	07/26/10 07:12	1,9060	DW

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

Lab Number: L1011043
Report Date: 08/03/10

SAMPLE RESULTS

Lab ID: L1011043-09
Client ID: SW 06
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/21/10 12:10
Date Received: 07/21/10
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	07/27/10 10:45	07/28/10 14:17	1,9010B/9012A	JO
Nitrogen, Ammonia	0.590		mg/l	0.075	--	1	07/23/10 14:00	07/27/10 20:51	30,4500NH3-BH	AT
Nitrogen, Nitrate	0.85		mg/l	0.10	--	1	-	07/22/10 21:50	30,4500NO3-F	DD
Phosphorus, Total	0.023		mg/l	0.010	--	1	-	07/22/10 14:03	30,4500P-E	ST
Sulfide	ND		mg/l	0.10	--	1	07/26/10 17:00	07/26/10 18:00	1,9030B	AT
Total Organic Carbon	5.6		mg/l	0.50	--	1	-	07/26/10 07:12	1,9060	DW

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

Lab Number: L1011043
Report Date: 08/03/10

SAMPLE RESULTS

Lab ID: L1011043-10
Client ID: FIELD BLANK
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/21/10 12:30
Date Received: 07/21/10
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	07/27/10 10:45	07/28/10 14:18	1,9010B/9012A	JO
Nitrogen, Ammonia	ND		mg/l	0.075	--	1	07/23/10 14:00	07/27/10 20:54	30,4500NH3-BH	AT
Nitrogen, Nitrate	ND		mg/l	0.10	--	1	-	07/22/10 21:51	30,4500NO3-F	DD
Phosphorus, Total	ND		mg/l	0.010	--	1	-	07/22/10 14:03	30,4500P-E	ST
Sulfide	ND		mg/l	0.10	--	1	07/26/10 17:00	07/26/10 18:00	1,9030B	AT
Total Organic Carbon	ND		mg/l	0.50	--	1	-	07/28/10 08:33	1,9060	DW

Project Name: ROSE HILL LANDFILL **Lab Number:** L1011043

Project Number: JI-1747 **Report Date:** 08/03/10

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): 06-10 Batch: WG423964-1										
Phosphorus, Total	ND		mg/l	0.010	--	1	-	07/22/10 13:52	30,4500P-E	ST
General Chemistry - Westborough Lab for sample(s): 06-10 Batch: WG424054-2										
Nitrogen, Nitrate	ND		mg/l	0.10	--	1	-	07/22/10 21:22	30,4500NO3-F	DD
General Chemistry - Westborough Lab for sample(s): 06-10 Batch: WG424186-1										
Nitrogen, Ammonia	ND		mg/l	0.075	--	1	07/23/10 14:00	07/27/10 20:32	30,4500NH3-BH	AT
General Chemistry - Westborough Lab for sample(s): 06-08 Batch: WG424416-2										
Cyanide, Total	ND		mg/l	0.005	--	1	07/26/10 10:30	07/26/10 16:46	1,9010B/9012A	JO
General Chemistry - Westborough Lab for sample(s): 06-09 Batch: WG424477-1										
Total Organic Carbon	ND		mg/l	0.50	--	1	-	07/26/10 07:12	1,9060	DW
General Chemistry - Westborough Lab for sample(s): 06-10 Batch: WG424531-1										
Sulfide	ND		mg/l	0.10	--	1	07/26/10 17:00	07/26/10 18:00	1,9030B	AT
General Chemistry - Westborough Lab for sample(s): 09-10 Batch: WG424616-2										
Cyanide, Total	ND		mg/l	0.005	--	1	07/27/10 10:45	07/28/10 14:15	1,9010B/9012A	JO
General Chemistry - Westborough Lab for sample(s): 10 Batch: WG425011-1										
Total Organic Carbon	ND		mg/l	0.50	--	1	-	07/28/10 08:33	1,9060	DW

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1011043
Report Date: 08/03/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 06-10 Batch: WG423964-2								
Phosphorus, Total	101		-		85-115	-		
General Chemistry - Westborough Lab Associated sample(s): 06-10 Batch: WG424054-1								
Nitrogen, Nitrate	100		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 06-10 Batch: WG424186-2								
Nitrogen, Ammonia	100		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 06-08 Batch: WG424416-1								
Cyanide, Total	104		-		80-120	-		
General Chemistry - Westborough Lab Associated sample(s): 06-09 Batch: WG424477-2								
Total Organic Carbon	100		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 06-10 Batch: WG424531-2								
Sulfide	87		-		75-125	-		
General Chemistry - Westborough Lab Associated sample(s): 09-10 Batch: WG424616-1								
Cyanide, Total	100		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1011043
Report Date: 08/03/10

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 10 Batch: WG425011-2					
Total Organic Carbon	101	-	90-110	-	

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1011043
Report Date: 08/03/10

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): 06-10 QC Batch ID: WG423964-3 QC Sample: L1011043-08 Client ID: SW 13												
Phosphorus, Total	0.034	0.5	0.555	104		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 06-10 QC Batch ID: WG424054-3 QC Sample: L1011043-08 Client ID: SW 13												
Nitrogen, Nitrate	1.4	4	5.4	100		-	-		83-113	-		17
General Chemistry - Westborough Lab Associated sample(s): 06-10 QC Batch ID: WG424186-3 QC Sample: L1011043-08 Client ID: SW 13												
Nitrogen, Ammonia	0.079	4	4.00	98		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 06-08 QC Batch ID: WG424416-3 WG424416-4 QC Sample: L1011043-08 Client ID: SW 13												
Cyanide, Total	ND	0.2	0.214	107		0.196	98		80-120	9		30
General Chemistry - Westborough Lab Associated sample(s): 06-09 QC Batch ID: WG424477-3 QC Sample: L1011043-08 Client ID: SW 13												
Total Organic Carbon	6.9	8	15	106		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 06-10 QC Batch ID: WG424531-3 QC Sample: L1011043-08 Client ID: SW 13												
Sulfide	ND	0.24	0.19	79		-	-		70-130	-		20
General Chemistry - Westborough Lab Associated sample(s): 09-10 QC Batch ID: WG424616-3 WG424616-4 QC Sample: L1011229-07 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.251	**126**	Q	0.237	118		80-120	7		30
General Chemistry - Westborough Lab Associated sample(s): 10 QC Batch ID: WG425011-3 QC Sample: L1009883-43 Client ID: MS Sample												
Total Organic Carbon	2.3	4	6.2	98		-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

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

Lab Number: L1011043
Report Date: 08/03/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 06-10 QC Batch ID: WG423964-4 QC Sample: L1011043-08 Client ID: SW 13						
Phosphorus, Total	0.034	0.048	mg/l	**34**	Q	20
General Chemistry - Westborough Lab Associated sample(s): 06-10 QC Batch ID: WG424054-4 QC Sample: L1011043-08 Client ID: SW 13						
Nitrogen, Nitrate	1.4	1.4	mg/l	0		17
General Chemistry - Westborough Lab Associated sample(s): 06-10 QC Batch ID: WG424186-4 QC Sample: L1011043-08 Client ID: SW 13						
Nitrogen, Ammonia	0.079	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 06-09 QC Batch ID: WG424477-4 QC Sample: L1011043-08 Client ID: SW 13						
Total Organic Carbon	6.9	6.8	mg/l	1		20
General Chemistry - Westborough Lab Associated sample(s): 06-10 QC Batch ID: WG424531-4 QC Sample: L1011043-08 Client ID: SW 13						
Sulfide	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 10 QC Batch ID: WG425011-4 QC Sample: L1009883-42 Client ID: DUP Sample						
Total Organic Carbon	2.3	2.5	mg/l	8		20

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

Lab Number: L1011043
Report Date: 08/03/10

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(*)
L1011043-01A	Vial HCl preserved	C	N/A	6	Y	Absent	8260(14)
L1011043-01B	Vial HCl preserved	C	N/A	6	Y	Absent	8260(14)
L1011043-01C	Amber 1000ml unpreserved	C	7	6	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1011043-01D	Amber 1000ml unpreserved	C	7	6	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1011043-01E	Plastic 500ml HNO3 preserved	C	<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)
L1011043-02A	Vial HCl preserved	C	N/A	6	Y	Absent	8260(14)
L1011043-02B	Vial HCl preserved	C	N/A	6	Y	Absent	8260(14)
L1011043-02C	Amber 1000ml unpreserved	C	7	6	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1011043-02D	Amber 1000ml unpreserved	C	7	6	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1011043-02E	Plastic 500ml HNO3 preserved	C	<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)
L1011043-03A	Vial HCl preserved	C	N/A	6	Y	Absent	8260(14)
L1011043-03B	Vial HCl preserved	C	N/A	6	Y	Absent	8260(14)
L1011043-03C	Amber 1000ml unpreserved	C	7	6	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1011043-03D	Amber 1000ml unpreserved	C	7	6	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1011043-03E	Plastic 500ml HNO3 preserved	C	<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)

*Values in parentheses indicate holding time in days

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

Lab Number: L1011043
Report Date: 08/03/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1011043-04A	Vial HCl preserved	C	N/A	6	Y	Absent	8260(14)
L1011043-04B	Vial HCl preserved	C	N/A	6	Y	Absent	8260(14)
L1011043-04C	Amber 1000ml unpreserved	C	7	6	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1011043-04D	Amber 1000ml unpreserved	C	7	6	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1011043-04E	Plastic 500ml HNO3 preserved	C	<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)
L1011043-05A	Vial HCl preserved	B	N/A	6	Y	Absent	8260(14)
L1011043-05B	Vial HCl preserved	B	N/A	6	Y	Absent	8260(14)
L1011043-05C	Amber 1000ml unpreserved	B	7	6	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1011043-05D	Amber 1000ml unpreserved	B	7	6	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1011043-05E	Plastic 500ml HNO3 preserved	B	<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)
L1011043-06A	Vial H2SO4 preserved	C	N/A	6	Y	Absent	TOC-9060(28)
L1011043-06B	Vial H2SO4 preserved	C	N/A	6	Y	Absent	TOC-9060(28)
L1011043-06C	Plastic 500ml unpreserved	C	7	6	Y	Absent	-
L1011043-06D	Plastic 500ml H2SO4 preserved	C	<2	6	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1011043-06E	Plastic 250ml NaOH preserved	C	>12	6	Y	Absent	TCN-9010(14),CD-6020T(180)
L1011043-06F	Plastic 250ml HNO3 preserved	C	<2	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),HARDT(180)
L1011043-06G	Plastic 250ml HNO3 preserved	C	<2	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),HARDT(180)
L1011043-06H	Plastic 250ml unpreserved	C	7	6	Y	Absent	NO3-4500(2)
L1011043-06I	Plastic 250ml Zn Acetate/NaOH pr	C	>12	6	Y	Absent	SULFIDE-9030(7)
L1011043-06J	Plastic 250ml Zn Acetate/NaOH pr	C	>12	6	Y	Absent	SULFIDE-9030(7)
L1011043-06K	Plastic 250ml Zn Acetate/NaOH pr	C	>12	6	Y	Absent	SULFIDE-9030(7)

*Values in parentheses indicate holding time in days

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

Lab Number: L1011043
Report Date: 08/03/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1011043-06X	Plastic 500ml HNO3 preserved spl	C	<2	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)
L1011043-07A	Vial H2SO4 preserved	C	N/A	6	Y	Absent	TOC-9060(28)
L1011043-07B	Vial H2SO4 preserved	C	N/A	6	Y	Absent	TOC-9060(28)
L1011043-07C	Plastic 500ml unpreserved	C	7	6	Y	Absent	-
L1011043-07D	Plastic 500ml H2SO4 preserved	C	<2	6	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1011043-07E	Plastic 250ml NaOH preserved	C	>12	6	Y	Absent	TCN-9010(14),CD-6020T(180)
L1011043-07F	Plastic 250ml HNO3 preserved	C	<2	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),HARDT(180)
L1011043-07G	Plastic 250ml HNO3 preserved	C	<2	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),HARDT(180)
L1011043-07H	Plastic 250ml unpreserved	C	7	6	Y	Absent	NO3-4500(2)
L1011043-07I	Plastic 250ml Zn Acetate/NaOH pr	C	>12	6	Y	Absent	SULFIDE-9030(7)
L1011043-07J	Plastic 250ml Zn Acetate/NaOH pr	C	>12	6	Y	Absent	SULFIDE-9030(7)
L1011043-07K	Plastic 250ml Zn Acetate/NaOH pr	C	>12	6	Y	Absent	SULFIDE-9030(7)
L1011043-07X	Plastic 500ml HNO3 preserved spl	C	<2	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)
L1011043-08A	Vial H2SO4 preserved	B	N/A	6	Y	Absent	TOC-9060(28)
L1011043-08B	Vial H2SO4 preserved	B	N/A	6	Y	Absent	TOC-9060(28)
L1011043-08C	Plastic 500ml unpreserved	B	7	6	Y	Absent	-
L1011043-08D	Plastic 500ml H2SO4 preserved	B	<2	6	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1011043-08E	Plastic 250ml NaOH preserved	B	>12	6	Y	Absent	TCN-9010(14),CD-6020T(180)
L1011043-08F	Plastic 250ml HNO3 preserved	B	<2	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),HARDT(180)
L1011043-08G	Plastic 250ml HNO3 preserved	B	<2	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),HARDT(180)

*Values in parentheses indicate holding time in days

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

Lab Number: L1011043
Report Date: 08/03/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1011043-08H	Plastic 250ml unpreserved	B	7	6	Y	Absent	NO3-4500(2)
L1011043-08I	Plastic 250ml Zn Acetate/NaOH pr	B	>12	6	Y	Absent	SULFIDE-9030(7)
L1011043-08J	Plastic 250ml Zn Acetate/NaOH pr	B	>12	6	Y	Absent	SULFIDE-9030(7)
L1011043-08K	Plastic 250ml Zn Acetate/NaOH pr	B	>12	6	Y	Absent	SULFIDE-9030(7)
L1011043-08L	Vial H2SO4 preserved	B	N/A	6	Y	Absent	TOC-9060(28)
L1011043-08M	Vial H2SO4 preserved	B	N/A	6	Y	Absent	TOC-9060(28)
L1011043-08N	Plastic 500ml unpreserved	B	7	6	Y	Absent	-
L1011043-08O	Plastic 500ml H2SO4 preserved	B	<2	6	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1011043-08P	Plastic 250ml NaOH preserved	B	>12	6	Y	Absent	TCN-9010(14)
L1011043-08Q	Plastic 250ml HNO3 preserved	B	<2	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),HARDT(180)
L1011043-08R	Plastic 250ml HNO3 preserved	B	<2	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),HARDT(180)
L1011043-08S	Plastic 250ml unpreserved	B	7	6	Y	Absent	NO3-4500(2)
L1011043-08T	Plastic 250ml Zn Acetate/NaOH pr	B	>12	6	Y	Absent	SULFIDE-9030(7)
L1011043-08U	Plastic 250ml Zn Acetate/NaOH pr	B	>12	6	Y	Absent	SULFIDE-9030(7)
L1011043-08V	Plastic 250ml Zn Acetate/NaOH pr	B	>12	6	Y	Absent	SULFIDE-9030(7)
L1011043-08W	Vial H2SO4 preserved	B	N/A	6	Y	Absent	TOC-9060(28)
L1011043-08X	Vial H2SO4 preserved	B	N/A	6	Y	Absent	TOC-9060(28)
L1011043-08Y	Plastic 500ml unpreserved	B	7	6	Y	Absent	-
L1011043-08Z	Plastic 500ml HNO3 preserved spl	B	<2	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)
L1011043-09A	Vial H2SO4 preserved	A	N/A	5	Y	Absent	TOC-9060(28)
L1011043-09B	Vial H2SO4 preserved	A	N/A	5	Y	Absent	TOC-9060(28)
L1011043-09C	Plastic 500ml unpreserved	A	7	5	Y	Absent	-
L1011043-09D	Plastic 500ml H2SO4 preserved	A	<2	5	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1011043-09E	Plastic 250ml NaOH preserved	A	>12	5	Y	Absent	TCN-9010(14),CD-6020T(180)
L1011043-09F	Plastic 250ml HNO3 preserved	A	<2	5	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),HARDT(180)

*Values in parentheses indicate holding time in days

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

Lab Number: L1011043
Report Date: 08/03/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1011043-09G	Plastic 250ml HNO3 preserved	A	<2	5	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),HARDT(180)
L1011043-09H	Plastic 250ml unpreserved	A	7	5	Y	Absent	NO3-4500(2)
L1011043-09I	Plastic 250ml Zn Acetate/NaOH pr	A	>12	5	Y	Absent	SULFIDE-9030(7)
L1011043-09J	Plastic 250ml Zn Acetate/NaOH pr	A	>12	5	Y	Absent	SULFIDE-9030(7)
L1011043-09K	Plastic 250ml Zn Acetate/NaOH pr	A	>12	5	Y	Absent	SULFIDE-9030(7)
L1011043-09X	Plastic 500ml HNO3 preserved spl	A	<2	5	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)
L1011043-10A	Vial H2SO4 preserved	A	N/A	5	Y	Absent	TOC-9060(28)
L1011043-10B	Vial H2SO4 preserved	A	N/A	5	Y	Absent	TOC-9060(28)
L1011043-10C	Plastic 500ml unpreserved	A	7	5	Y	Absent	-
L1011043-10D	Plastic 500ml H2SO4 preserved	A	<2	5	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1011043-10E	Plastic 250ml NaOH preserved	A	>12	5	Y	Absent	TCN-9010(14),CD-6020T(180)
L1011043-10F	Plastic 250ml HNO3 preserved	A	<2	5	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),HARDT(180)
L1011043-10G	Plastic 250ml HNO3 preserved	A	<2	5	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),HARDT(180)
L1011043-10H	Plastic 250ml unpreserved	A	7	5	Y	Absent	NO3-4500(2)
L1011043-10I	Plastic 250ml Zn Acetate/NaOH pr	A	>12	5	Y	Absent	SULFIDE-9030(7)
L1011043-10J	Plastic 250ml Zn Acetate/NaOH pr	A	>12	5	Y	Absent	SULFIDE-9030(7)
L1011043-10K	Plastic 250ml Zn Acetate/NaOH pr	A	>12	5	Y	Absent	SULFIDE-9030(7)
L1011043-10X	Plastic 500ml HNO3 preserved spl	A	<2	5	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)
L1011043-11A	Plastic 500ml H2SO4 preserved	B	<2	6	Y	Absent	HOLD(14)
L1011043-11B	Plastic 250ml NaOH preserved	B	>12	6	Y	Absent	HOLD(14)
L1011043-11C	Plastic 250ml HNO3 preserved	B	<2	6	Y	Absent	HOLD(14)
L1011043-11D	Plastic 250ml HNO3 preserved	B	<2	6	Y	Absent	HOLD(14)

*Values in parentheses indicate holding time in days

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

Lab Number: L1011043
Report Date: 08/03/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1011043-11E	Plastic 250ml unpreserved	B	7	6	Y	Absent	HOLD(14)
L1011043-11F	Plastic 250ml Zn Acetate/NaOH pr	B	>12	6	Y	Absent	HOLD(14)
L1011043-11G	Plastic 250ml Zn Acetate/NaOH pr	B	>12	6	Y	Absent	HOLD(14)
L1011043-11H	Plastic 250ml Zn Acetate/NaOH pr	B	>12	6	Y	Absent	HOLD(14)

*Values in parentheses indicate holding time in days

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1011043
Project Number:	JI-1747	**Report Date:**	08/03/10

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.
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.

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.
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.
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.
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. 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.

Report Format: Data Usability Report

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1011043
Project Number:	JI-1747	**Report Date:**	08/03/10

Data Qualifiers

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:** L1011043
Project Number: JI-1747 **Report Date:** 08/03/10

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 July 19, 2010 - 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, 300.0, 353.2, SM2130B, 2320B, 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, Lachat 10-107-06-1-B, SM2320B, 2340B, 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.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624, ME DRO, ME GRO, MA EPH, MA VPH.)
*Solid Waste/Soil (*Organic Parameters: ME DRO, ME GRO, MA EPH, MA VPH.)

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)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 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), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; 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,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 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-B,C-Titr, 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, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)

(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, 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, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

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 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 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.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Non-Potable Water (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 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 NY-DOH 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, 376.2, 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.)

Department of Defense 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, 9251, 9038, 350.1, 353.2, 351.1, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035, MassDEP EPH, MassDEP VPH.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **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. **EPA 350.1** for Ammonia in a Soil matrix.

CHAIN OF CUSTODY

PAGE 3 OF 4

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: 7/21/10

ALPHA Job #: L1011043

Project Information

Project Name: Rose Hill Landfill

Project Location: South Kingstown, RI

Project #: JI-1747

Project Manager: Chris Feeney

ALPHA Quote #:

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

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: 7/30/10 Time:

Other Project Specific Requirements/Comments/Detection Limits:

Report Information

☐ FAX ☒ ADEx

Data Deliverables

☐ EMAIL ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program | Criteria

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
11043 1	Rec#10	7/21	8:28	GW	JLT	2	2	1											5
2	Rec#7		9:07																
3	Rec#11		9:30																
4	Dup (Rec#11		9:30																
5	MW7BR		11:40																

Container Type	V	A	P	-	-	-	-	-	-	-	-	-
Preservative	B	A	C	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
P. Gilbert 7/21/10	7/21 3:15 17:20	P. Gilbert	7/21/10 15:55 7/21/10 1720

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:08031012:36

CHAIN OF CUSTODY 4 PAGE OF 4

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: 7/21/10 ALPHA Job #: L1011043

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 #: JI-1747
Project Manager: Chris Feeney
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)
Due Date: 7/30/10 Time:

Report Information

☐ FAX
☒ ADEx

Data Deliverables

☐ EMAIL
☐ 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
1104 6	SW2	7/21	10:10	SW	SH	3	1	1	2	1	1	1	1						11
7	SW1		10:26				1	1	1	1	1	1	1						
8	SW13		11:[illegible]																
8	MS (SW13)		11:17																
8	MSD (SW13)		11:17																
9	SW06		12:10																
10	Field Blank		12:20	—															

	Sulfide	NH3, TPhos	TCN	TOC	NO3	Dissolved Metals	Total Metals	Hardness				
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
R. Gilhut	7/21 3:15	R. Gilhut	7/21/10 15:55
R. Gilhut	7/21/10 17:20		7/21/10 17:20

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:08031012:36

ANALYTICAL REPORT

Lab Number:	L1117792
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:	11/03/11

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: L1117792
Report Date: 11/03/11

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1117792-01	GP-18	SOUTH KINGSTOWN, RI	10/25/11 14:58
L1117792-02	GP-16	SOUTH KINGSTOWN, RI	10/25/11 15:03
L1117792-03	GP-11	SOUTH KINGSTOWN, RI	10/25/11 15:14
L1117792-04	DUP(GP-11)	SOUTH KINGSTOWN, RI	10/25/11 15:14
L1117792-05	FIELD BLANK	SOUTH KINGSTOWN, RI	10/25/11 14:36
L1117792-06	GP-21	SOUTH KINGSTOWN, RI	10/25/11 14:41
L1117792-07	GF	SOUTH KINGSTOWN, RI	10/25/11 14:49

Project Name: ROSE HILL LANDFILL **Lab Number:** L1117792
Project Number: CJI-1747 **Report Date:** 11/03/11

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. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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.

For additional information, please contact Client Services at 800-624-9220.

Volatile Organics in Air

The canister certification results are provided as an addendum.

L1117792-06 and -07 have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

The WG498927-3 LCS recovery for Carbon tetrachloride (134%) is above the upper 130% acceptance limit. All samples associated with this LCS do not have a reportable amount of this analyte.

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: 11/03/11

AIR

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1117792
Report Date: 11/03/11

SAMPLE RESULTS

Lab ID: L1117792-01
Client ID: GP-18
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/28/11 22:41
Analyst: RY

Date Collected: 10/25/11 14:58
Date Received: 10/27/11
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 (Low Level) - Mansfield Lab								
Propylene	4.54	0.500	--	7.81	0.860	--		1
Dichlorodifluoromethane	0.603	0.200	--	2.98	0.989	--		1
Chloromethane	0.770	0.200	--	1.59	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	0.306	0.200	--	1.72	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	1.43	1.00	--	4.97	3.47	--		1
Carbon disulfide	2.71	0.200	--	8.44	0.623	--		1
Freon-113	0.200	0.200	--	1.53	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	24.8	0.200	--	73.1	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	0.243	0.200	--	0.856	0.705	--		1
1,1,1-Trichloroethane	0.963	0.200	--	5.25	1.09	--		1
Benzene	0.215	0.200	--	0.687	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1117792
Report Date: 11/03/11

SAMPLE RESULTS

Lab ID: L1117792-01
Client ID: GP-18
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 10/25/11 14:58
Date Received: 10/27/11
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 (Low Level) - 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	0.263	0.200	--	0.991	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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	103		60-140
chlorobenzene-d5	95		60-140

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1117792
Report Date: 11/03/11

SAMPLE RESULTS

Lab ID: L1117792-02
Client ID: GP-16
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/28/11 23:18
Analyst: RY

Date Collected: 10/25/11 15:03
Date Received: 10/27/11
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 (Low Level) - Mansfield Lab								
Propylene	8.38	0.500	--	14.4	0.860	--		1
Dichlorodifluoromethane	0.853	0.200	--	4.22	0.989	--		1
Chloromethane	0.805	0.200	--	1.66	0.413	--		1
Freon-114	0.226	0.200	--	1.58	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	0.297	0.200	--	1.67	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	1.22	1.00	--	4.24	3.47	--		1
Carbon disulfide	1.69	0.200	--	5.26	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	39.8	0.200	--	117	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Chloroform	0.445	0.200	--	2.17	0.977	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.357	0.200	--	1.26	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.406	0.200	--	1.30	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1117792
Report Date: 11/03/11

SAMPLE RESULTS

Lab ID: L1117792-02
Client ID: GP-16
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 10/25/11 15:03
Date Received: 10/27/11
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 (Low Level) - 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	0.457	0.200	--	1.72	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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	103		60-140
chlorobenzene-d5	97		60-140

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

Lab Number: L1117792
Report Date: 11/03/11

SAMPLE RESULTS

Lab ID: L1117792-03
Client ID: GP-11
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/28/11 23:54
Analyst: RY

Date Collected: 10/25/11 15:14
Date Received: 10/27/11
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 (Low Level) - Mansfield Lab								
Propylene	3.63	0.500	--	6.25	0.860	--		1
Dichlorodifluoromethane	1.25	0.200	--	6.18	0.989	--		1
Chloromethane	1.06	0.200	--	2.19	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	0.384	0.200	--	2.16	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	1.10	1.00	--	3.82	3.47	--		1
Carbon disulfide	0.992	0.200	--	3.09	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	9.06	0.200	--	26.7	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Chloroform	0.597	0.200	--	2.92	0.977	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.212	0.200	--	0.747	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.493	0.200	--	1.57	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1117792
Report Date: 11/03/11

SAMPLE RESULTS

Lab ID: L1117792-03
Client ID: GP-11
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 10/25/11 15:14
Date Received: 10/27/11
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 (Low Level) - Mansfield Lab								
Cyclohexane	0.404	0.200	--	1.39	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	0.859	0.200	--	3.24	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	0.309	0.200	--	1.34	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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	84		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	91		60-140

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1117792
Report Date: 11/03/11

SAMPLE RESULTS

Lab ID: L1117792-04
Client ID: DUP(GP-11)
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 10/29/11 00:31
Analyst: RY

Date Collected: 10/25/11 15:14
Date Received: 10/27/11
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 (Low Level) - Mansfield Lab								
Propylene	2.84	0.500	--	4.89	0.860	--		1
Dichlorodifluoromethane	1.31	0.200	--	6.48	0.989	--		1
Chloromethane	1.06	0.200	--	2.19	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	0.425	0.200	--	2.39	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	1.00	1.00	--	3.47	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	3.87	0.200	--	11.4	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Chloroform	0.455	0.200	--	2.22	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	0.852	0.200	--	2.72	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1117792
Report Date: 11/03/11

SAMPLE RESULTS

Lab ID: L1117792-04
Client ID: DUP(GP-11)
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 10/25/11 15:14
Date Received: 10/27/11
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 (Low Level) - Mansfield Lab								
Cyclohexane	1.28	0.200	--	4.40	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	2.16	0.200	--	8.14	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	1.52	0.200	--	6.60	0.869	--		1
p/m-Xylene	1.06	0.400	--	4.60	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	0.548	0.200	--	2.38	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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	97		60-140

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1117792
Report Date: 11/03/11

SAMPLE RESULTS

Lab ID: L1117792-05
Client ID: FIELD BLANK
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/28/11 21:28
Analyst: RY

Date Collected: 10/25/11 14:36
Date Received: 10/27/11
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 (Low Level) - Mansfield Lab								
Propylene	ND	0.500	--	ND	0.860	--		1
Dichlorodifluoromethane	0.566	0.200	--	2.80	0.989	--		1
Chloromethane	0.514	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	0.295	0.200	--	1.66	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	1.49	1.00	--	5.18	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: L1117792
Report Date: 11/03/11

SAMPLE RESULTS

Lab ID: L1117792-05
Client ID: FIELD BLANK
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 10/25/11 14:36
Date Received: 10/27/11
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 (Low Level) - 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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	82		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	93		60-140

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1117792
Report Date: 11/03/11

SAMPLE RESULTS

Lab ID: L1117792-06 D
Client ID: GP-21
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/29/11 01:07
Analyst: RY

Date Collected: 10/25/11 14:41
Date Received: 10/27/11
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 (Low Level) - Mansfield Lab								
Propylene	31.9	1.25	--	54.9	2.15	--		2.5
Dichlorodifluoromethane	1.52	0.500	--	7.52	2.47	--		2.5
Chloromethane	1.66	0.500	--	3.43	1.03	--		2.5
Freon-114	ND	0.500	--	ND	3.49	--		2.5
Vinyl chloride	ND	0.500	--	ND	1.28	--		2.5
1,3-Butadiene	ND	0.500	--	ND	1.11	--		2.5
Bromomethane	ND	0.500	--	ND	1.94	--		2.5
Chloroethane	ND	0.500	--	ND	1.32	--		2.5
Trichlorofluoromethane	ND	0.500	--	ND	2.81	--		2.5
1,1-Dichloroethene	ND	0.500	--	ND	1.98	--		2.5
Methylene chloride	ND	2.50	--	ND	8.68	--		2.5
Carbon disulfide	2.57	0.500	--	8.00	1.56	--		2.5
Freon-113	ND	0.500	--	ND	3.83	--		2.5
trans-1,2-Dichloroethene	ND	0.500	--	ND	1.98	--		2.5
1,1-Dichloroethane	ND	0.500	--	ND	2.02	--		2.5
Methyl tert butyl ether	ND	0.500	--	ND	1.80	--		2.5
2-Butanone	108	0.500	--	318	1.47	--		2.5
cis-1,2-Dichloroethene	ND	0.500	--	ND	1.98	--		2.5
Chloroform	ND	0.500	--	ND	2.44	--		2.5
1,2-Dichloroethane	ND	0.500	--	ND	2.02	--		2.5
n-Hexane	4.63	0.500	--	16.3	1.76	--		2.5
1,1,1-Trichloroethane	ND	0.500	--	ND	2.73	--		2.5
Benzene	1.02	0.500	--	3.26	1.60	--		2.5
Carbon tetrachloride	ND	0.500	--	ND	3.14	--		2.5

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1117792
Report Date: 11/03/11

SAMPLE RESULTS

Lab ID: L1117792-06 D
Client ID: GP-21
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 10/25/11 14:41
Date Received: 10/27/11
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 (Low Level) - Mansfield Lab								
Cyclohexane	1.65	0.500	--	5.68	1.72	--		2.5
1,2-Dichloropropane	ND	0.500	--	ND	2.31	--		2.5
Trichloroethene	ND	0.500	--	ND	2.69	--		2.5
cis-1,3-Dichloropropene	ND	0.500	--	ND	2.27	--		2.5
trans-1,3-Dichloropropene	ND	0.500	--	ND	2.27	--		2.5
1,1,2-Trichloroethane	ND	0.500	--	ND	2.73	--		2.5
Toluene	0.660	0.500	--	2.49	1.88	--		2.5
1,2-Dibromoethane	ND	0.500	--	ND	3.84	--		2.5
Tetrachloroethene	ND	0.500	--	ND	3.39	--		2.5
Chlorobenzene	ND	0.500	--	ND	2.30	--		2.5
Ethylbenzene	ND	0.500	--	ND	2.17	--		2.5
p/m-Xylene	ND	1.00	--	ND	4.34	--		2.5
Styrene	ND	0.500	--	ND	2.13	--		2.5
1,1,2,2-Tetrachloroethane	ND	0.500	--	ND	3.43	--		2.5
o-Xylene	ND	0.500	--	ND	2.17	--		2.5
1,3,5-Trimethybenzene	ND	0.500	--	ND	2.46	--		2.5
1,2,4-Trimethylbenzene	ND	0.500	--	ND	2.46	--		2.5
Benzyl chloride	ND	0.500	--	ND	2.59	--		2.5
1,3-Dichlorobenzene	ND	0.500	--	ND	3.01	--		2.5
1,4-Dichlorobenzene	ND	0.500	--	ND	3.01	--		2.5
1,2-Dichlorobenzene	ND	0.500	--	ND	3.01	--		2.5
1,2,4-Trichlorobenzene	ND	0.500	--	ND	3.71	--		2.5
Hexachlorobutadiene	ND	0.500	--	ND	5.33	--		2.5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	79		60-140
Bromochloromethane	102		60-140
chlorobenzene-d5	89		60-140

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1117792
Report Date: 11/03/11

SAMPLE RESULTS

Lab ID: L1117792-07 D
Client ID: GF
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/29/11 01:43
Analyst: RY

Date Collected: 10/25/11 14:49
Date Received: 10/27/11
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 (Low Level) - Mansfield Lab								
Propylene	243	34.0	--	418	58.5	--		68.04
Dichlorodifluoromethane	83.3	13.6	--	412	67.2	--		68.04
Chloromethane	ND	13.6	--	ND	28.1	--		68.04
Freon-114	67.8	13.6	--	474	95.1	--		68.04
Vinyl chloride	3690	13.6	--	9430	34.8	--		68.04
1,3-Butadiene	ND	13.6	--	ND	30.1	--		68.04
Bromomethane	ND	13.6	--	ND	52.8	--		68.04
Chloroethane	471	13.6	--	1240	35.9	--		68.04
Trichlorofluoromethane	ND	13.6	--	ND	76.4	--		68.04
1,1-Dichloroethene	18.8	13.6	--	74.5	53.9	--		68.04
Methylene chloride	ND	68.0	--	ND	236	--		68.04
Carbon disulfide	ND	13.6	--	ND	42.4	--		68.04
Freon-113	ND	13.6	--	ND	104.	--		68.04
trans-1,2-Dichloroethene	21.2	13.6	--	84.0	53.9	--		68.04
1,1-Dichloroethane	86.5	13.6	--	350	55.0	--		68.04
Methyl tert butyl ether	ND	13.6	--	ND	49.0	--		68.04
2-Butanone	53.1	13.6	--	157	40.1	--		68.04
cis-1,2-Dichloroethene	3370	13.6	--	13400	53.9	--		68.04
Chloroform	ND	13.6	--	ND	66.4	--		68.04
1,2-Dichloroethane	ND	13.6	--	ND	55.0	--		68.04
n-Hexane	290	13.6	--	1020	47.9	--		68.04
1,1,1-Trichloroethane	184	13.6	--	1000	74.2	--		68.04
Benzene	49.8	13.6	--	159	43.4	--		68.04
Carbon tetrachloride	ND	13.6	--	ND	85.5	--		68.04

Project Name: ROSE HILL LANDFILL
Project Number: CJI-1747
Lab Number: L1117792
Report Date: 11/03/11

SAMPLE RESULTS

Lab ID: L1117792-07 D
Client ID: GF
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 10/25/11 14:49
Date Received: 10/27/11
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 (Low Level) - Mansfield Lab								
Cyclohexane	139	13.6	--	478	46.8	--		68.04
1,2-Dichloropropane	ND	13.6	--	ND	62.8	--		68.04
Trichloroethene	1920	13.6	--	10300	73.1	--		68.04
cis-1,3-Dichloropropene	ND	13.6	--	ND	61.7	--		68.04
trans-1,3-Dichloropropene	ND	13.6	--	ND	61.7	--		68.04
1,1,2-Trichloroethane	ND	13.6	--	ND	74.2	--		68.04
Toluene	30.9	13.6	--	116	51.2	--		68.04
1,2-Dibromoethane	ND	13.6	--	ND	104.	--		68.04
Tetrachloroethene	51.6	13.6	--	350	92.2	--		68.04
Chlorobenzene	ND	13.6	--	ND	62.6	--		68.04
Ethylbenzene	27.6	13.6	--	120	59.1	--		68.04
p/m-Xylene	ND	27.2	--	ND	118	--		68.04
Styrene	ND	13.6	--	ND	57.9	--		68.04
1,1,2,2-Tetrachloroethane	ND	13.6	--	ND	93.4	--		68.04
o-Xylene	ND	13.6	--	ND	59.1	--		68.04
1,3,5-Trimethybenzene	ND	13.6	--	ND	66.8	--		68.04
1,2,4-Trimethylbenzene	ND	13.6	--	ND	66.8	--		68.04
Benzyl chloride	ND	13.6	--	ND	70.4	--		68.04
1,3-Dichlorobenzene	ND	13.6	--	ND	81.8	--		68.04
1,4-Dichlorobenzene	ND	13.6	--	ND	81.8	--		68.04
1,2-Dichlorobenzene	ND	13.6	--	ND	81.8	--		68.04
1,2,4-Trichlorobenzene	ND	13.6	--	ND	101.	--		68.04
Hexachlorobutadiene	ND	13.6	--	ND	145.	--		68.04

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	82		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	96		60-140

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

Lab Number: L1117792
Report Date: 11/03/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 10/28/11 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 (Low Level) - Mansfield Lab for sample(s): 01-07 Batch: WG498927-4								
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
Project Number: CJI-1747

Lab Number: L1117792
Report Date: 11/03/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 10/28/11 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 (Low Level) - Mansfield Lab for sample(s): 01-07 Batch: WG498927-4								
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: L1117792
Report Date: 11/03/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 10/28/11 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 (Low Level) - Mansfield Lab for sample(s): 01-07 Batch: WG498927-4								
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: L1117792
Report Date: 11/03/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-07 Batch: WG498927-3								
Chlorodifluoromethane	87		-		70-130	-		
Propylene	85		-		70-130	-		
Propane	72		-		70-130	-		
Dichlorodifluoromethane	116		-		70-130	-		
Chloromethane	89		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	111		-		70-130	-		
Vinyl chloride	91		-		70-130	-		
1,3-Butadiene	88		-		70-130	-		
Butane	89		-		70-130	-		
Bromomethane	89		-		70-130	-		
Chloroethane	89		-		70-130	-		
Ethyl Alcohol	92		-		70-130	-		
Dichlorofluoromethane	94		-		70-130	-		
Vinyl bromide	88		-		70-130	-		
Acrolein	84		-		70-130	-		
Acetone	116		-		70-130	-		
Acetonitrile	94		-		70-130	-		
Trichlorofluoromethane	120		-		70-130	-		
iso-Propyl Alcohol	115		-		70-130	-		
Acrylonitrile	105		-		70-130	-		
Pentane	94		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1117792
Report Date: 11/03/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-07 Batch: WG498927-3								
Ethyl ether	109		-		70-130	-		
1,1-Dichloroethene	110		-		70-130	-		
tert-Butyl Alcohol	111		-		70-130	-		
Methylene chloride	101		-		70-130	-		
3-Chloropropene	100		-		70-130	-		
Carbon disulfide	94		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	107		-		70-130	-		
trans-1,2-Dichloroethene	100		-		70-130	-		
1,1-Dichloroethane	105		-		70-130	-		
Methyl tert butyl ether	116		-		70-130	-		
Vinyl acetate	124		-		70-130	-		
2-Butanone	108		-		70-130	-		
cis-1,2-Dichloroethene	95		-		70-130	-		
Ethyl Acetate	83		-		70-130	-		
Chloroform	107		-		70-130	-		
Tetrahydrofuran	94		-		70-130	-		
2,2-Dichloropropane	106		-		70-130	-		
1,2-Dichloroethane	116		-		70-130	-		
n-Hexane	85		-		70-130	-		
Isopropyl Ether	100		-		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: L1117792
Report Date: 11/03/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-07 Batch: WG498927-3								
1,1,1-Trichloroethane	130		-		70-130	-		
1,1-Dichloropropene	101		-		70-130	-		
Benzene	95		-		70-130	-		
Carbon tetrachloride	**134**	Q	-		70-130	-		
Cyclohexane	86		-		70-130	-		
Tertiary-Amyl Methyl Ether	103		-		70-130	-		
Dibromomethane	99		-		70-130	-		
1,2-Dichloropropane	95		-		70-130	-		
Bromodichloromethane	118		-		70-130	-		
1,4-Dioxane	97		-		70-130	-		
Trichloroethene	93		-		70-130	-		
2,2,4-Trimethylpentane	89		-		70-130	-		
Heptane	93		-		70-130	-		
2,4,4-Trimethyl-1-Pentene	91		-		70-130	-		
cis-1,3-Dichloropropene	112		-		70-130	-		
4-Methyl-2-pentanone	106		-		70-130	-		
2,4,4-Trimethyl-2-Pentene	103		-		70-130	-		
trans-1,3-Dichloropropene	99		-		70-130	-		
1,1,2-Trichloroethane	109		-		70-130	-		
Toluene	90		-		70-130	-		
1,3-Dichloropropane	91		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1117792
Report Date: 11/03/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-07 Batch: WG498927-3								
2-Hexanone	99		-		70-130	-		
Dibromochloromethane	102		-		70-130	-		
1,2-Dibromoethane	93		-		70-130	-		
Butyl Acetate	98		-		70-130	-		
Octane	79		-		70-130	-		
Tetrachloroethene	83		-		70-130	-		
1,1,1,2-Tetrachloroethane	94		-		70-130	-		
Chlorobenzene	90		-		70-130	-		
Ethylbenzene	98		-		70-130	-		
p/m-Xylene	98		-		70-130	-		
Bromoform	103		-		70-130	-		
Styrene	94		-		70-130	-		
1,1,2,2-Tetrachloroethane	97		-		70-130	-		
o-Xylene	102		-		70-130	-		
1,2,3-Trichloropropane	99		-		70-130	-		
Nonane (C9)	90		-		70-130	-		
Isopropylbenzene	96		-		70-130	-		
Bromobenzene	99		-		70-130	-		
o-Chlorotoluene	87		-		70-130	-		
n-Propylbenzene	94		-		70-130	-		
p-Chlorotoluene	102		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1117792
Report Date: 11/03/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-07 Batch: WG498927-3								
4-Ethyltoluene	98		-		70-130	-		
1,3,5-Trimethylbenzene	100		-		70-130	-		
tert-Butylbenzene	94		-		70-130	-		
1,2,4-Trimethylbenzene	103		-		70-130	-		
Decane (C10)	93		-		70-130	-		
Benzyl chloride	114		-		70-130	-		
1,3-Dichlorobenzene	88		-		70-130	-		
1,4-Dichlorobenzene	90		-		70-130	-		
sec-Butylbenzene	95		-		70-130	-		
p-Isopropyltoluene	90		-		70-130	-		
1,2-Dichlorobenzene	90		-		70-130	-		
n-Butylbenzene	110		-		70-130	-		
1,2-Dibromo-3-chloropropane	**132**	Q	-		70-130	-		
Undecane	96		-		70-130	-		
Dodecane (C12)	109		-		70-130	-		
1,2,4-Trichlorobenzene	89		-		70-130	-		
Naphthalene	88		-		70-130	-		
1,2,3-Trichlorobenzene	92		-		70-130	-		
Hexachlorobutadiene	98		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

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

Lab Number: L1117792
Report Date: 11/03/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG498927-5 QC Sample: L1117792-01 Client ID: GP-18						
Propylene	4.54	4.37	ppbV	4		25
Dichlorodifluoromethane	0.603	0.593	ppbV	2		25
Chloromethane	0.770	0.876	ppbV	13		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	0.306	0.317	ppbV	4		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Methylene chloride	1.43	1.45	ppbV	1		25
Carbon disulfide	2.71	2.43	ppbV	11		25
Freon-113	0.200	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	24.8	24.6	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: L1117792
Report Date: 11/03/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG498927-5 QC Sample: L1117792-01 Client ID: GP-18					
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	0.243	0.233	ppbV	4	25
1,1,1-Trichloroethane	0.963	1.01	ppbV	5	25
Benzene	0.215	0.212	ppbV	1	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	0.263	0.296	ppbV	12	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: L1117792
Report Date: 11/03/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG498927-5 QC Sample: L1117792-01 Client ID: GP-18					
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:** L1117792

Project Number: CJI-1747 **Report Date:** 11/03/11

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Cleaning Batch ID	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Out mL/min	Flow In mL/min	% RSD
L1117792-01	GP-18	0443	#90 SV		-	-	8.9	10.0	12
L1117792-01	GP-18	500	2.7L Can	L1116975	-29.1	-2.9	-	-	-
L1117792-02	GP-16	0207	#20 AMB		-	-	9.0	9.1	1
L1117792-02	GP-16	125	2.7L Can	L1116975	-29.5	-4.1	-	-	-
L1117792-03	GP-11	0093	#20 AMB		-	-	9.0	9.5	5
L1117792-03	GP-11	151B	2.7L Can	L1116975	-29.5	-1.5	-	-	-
L1117792-04	DUP(GP-11)	0227	#90 SV		-	-	9.0	9.7	7
L1117792-04	DUP(GP-11)	260	2.7L Can	L1116975	-29.6	-2.7	-	-	-
L1117792-05	FIELD BLANK	0241	#20 SV		-	-	8.9	9.3	4
L1117792-05	FIELD BLANK	171	2.7L Can	L1116975	-29.5	-4.1	-	-	-
L1117792-06	GP-21	0350	#16 AMB		-	-	9.0	9.4	4
L1117792-06	GP-21	209	2.7L Can	L1116975	-29.1	-4.8	-	-	-
L1117792-07	GF	0433	#16 AMB		-	-	8.8	9.2	4
L1117792-07	GF	556	2.7L Can	L1116975	-29.1	-5.6	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1116975
Report Date: 11/03/11

Air Canister Certification Results

Lab ID:	L1116975-01	Date Collected:	10/18/11 16:18
Client ID:	CAN 240 SHELF 3	Date Received:	10/19/11
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15		
Analytical Date:	10/19/11 18:20		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - 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
Project Number: CANISTER QC BAT

Lab Number: L1116975
Report Date: 11/03/11

Air Canister Certification Results

Lab ID: L1116975-01
Client ID: CAN 240 SHELF 3
Sample Location:

Date Collected: 10/18/11 16:18
Date Received: 10/19/11
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 (Low Level) - 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
Project Number: CANISTER QC BAT

Lab Number: L1116975
Report Date: 11/03/11

Air Canister Certification Results

Lab ID: L1116975-01
Client ID: CAN 240 SHELF 3
Sample Location:

Date Collected: 10/18/11 16:18
Date Received: 10/19/11
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 (Low Level) - 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:** L1116975

Project Number: CANISTER QC BAT **Report Date:** 11/03/11

Air Canister Certification Results

Lab ID: L1116975-01 Date Collected: 10/18/11 16:18

Client ID: CAN 240 SHELF 3 Date Received: 10/19/11

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 (Low Level) - 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	104		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	90		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1116975
Report Date: 11/03/11

Air Canister Certification Results

Lab ID:	L1116975-01	Date Collected:	10/18/11 16:18
Client ID:	CAN 240 SHELF 3	Date Received:	10/19/11
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	10/19/11 18:20		
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	0.065	0.050	--	0.498	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:** L1116975

Project Number: CANISTER QC BAT **Report Date:** 11/03/11

Air Canister Certification Results

Lab ID: L1116975-01 Date Collected: 10/18/11 16:18

Client ID: CAN 240 SHELF 3 Date Received: 10/19/11

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:** L1116975

Project Number: CANISTER QC BAT **Report Date:** 11/03/11

Air Canister Certification Results

Lab ID: L1116975-01 Date Collected: 10/18/11 16:18

Client ID: CAN 240 SHELF 3 Date Received: 10/19/11

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	97		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	89		60-140

AIR Petro Can Certification

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1116975

Project Number: CANISTER QC BAT **Report Date:** 11/03/11

AIR CAN CERTIFICATION RESULTS

Lab ID:	L1116975-01	Date Collected:	10/18/11 16:18
Client ID:	CAN 240 SHELF 3	Date Received:	10/19/11
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	10/20/11 17:44		
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: L1117792
Report Date: 11/03/11

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(*)
L1117792-01A	Canister - 2.7 Liter	N/A	NA		Y	Absent	TO15-LL(30)
L1117792-02A	Canister - 2.7 Liter	N/A	NA		Y	Absent	TO15-LL(30)
L1117792-03A	Canister - 2.7 Liter	N/A	NA		Y	Absent	TO15-LL(30)
L1117792-04A	Canister - 2.7 Liter	N/A	NA		Y	Absent	TO15-LL(30)
L1117792-05A	Canister - 2.7 Liter	N/A	NA		Y	Absent	TO15-LL(30)
L1117792-06A	Canister - 2.7 Liter	N/A	NA		Y	Absent	TO15-LL(30)
L1117792-07A	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:** L1117792

Project Number: CJI-1747 **Report Date:** 11/03/11

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:** L1117792

Project Number: CJI-1747 **Report Date:** 11/03/11

t e s

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 September 19, 2011 – 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.

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.

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.

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.

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, 3015, SM2320B, SM2540D, 2540G, , EPA 180.1, 1631E, SW-846 7470A, 9040B, 6020. Organic Parameters: SW-846 3510C, 3580A, 5030B, 5035L, 5035H, 3630C, 3640C, 3660B, 3665A, 8015B 8081A, 8082, 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 9040B, 9045C, 9050A, 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.

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

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.

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX.

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, 2510B, EPA 120.1, 180.1, 1631E, 245.7.)

Solid & Chemical Materials (Inorganic Parameters: EPA 9040, 9060, 6020, 7470, 7471, 7474. Organic Parameters: EPA 8081, 8082, 8015 Mod, 8270, 8260.)

U.S. Army Corps of Engineers

Department of Defense 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.)

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, 8015-DRO.

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 #: L1117792

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 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:

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)
17792-01	GP-18	10/25/11	10:57	2:58	-29.1	-3.18	SV	SH	2.7L	500	0443	☐	☒	☐	☐	☐	☐	☐	
02	GP-16	10/25/11	11:02	3:03	-29.5	-4.17	SV	SH	2.7L	125	0207	☐	☒	☐	☐	☐	☐	☐	
03	GP-11	10/25/11	11:11	3:14	-29.5	-1.87	SV	SH	2.7L	1095	0693	☐	☒	☐	☐	☐	☐	☐	
04	DUP (GP-11)	10/25/11	11:11	3:14	-29.6	-2.75	AA	SH	2.7L	2160	0227	☐	☒	☐	☐	☐	☐	☐	
05	Field Blank	10/25/11	10:32	2:36	-29.5	-4.41	SV	SH	2.7L	241	171	☐	☒	☐	☐	☐	☐	☐	Can + FC reversed
06	GP-21	10/25/11	10:40	2:41	-29.1	-3.8	SV	SH	2.7L	0350	209	☐	☒	☐	☐	☐	☐	☐	" " "
											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
T. Hunkeler	10/27/11 1100	T. Hunkeler	10/27/11 1140
			10/27/11 16:30

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

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: L1117792

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 #:

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:

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)
17792-07	GF	10/25/11	10:18	2:49	-29.1	-4.3	SV	SH	2.7L	556	6433	☐	☒	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
											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
T. Thudder	10/27/11 1600	T. Thudder	10/27/11 1400
			10/27/11 1600

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:	L1201294
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:	01/31/12

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: L1201294
Report Date: 01/31/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1201294-01	GP-18	SOUTH KINGSTOWN, RI	01/24/12 14:37
L1201294-02	GP-16	SOUTH KINGSTOWN, RI	01/24/12 14:42
L1201294-03	GP-11	SOUTH KINGSTOWN, RI	01/24/12 14:47
L1201294-04	DUP (GP-11)	SOUTH KINGSTOWN, RI	01/24/12 14:47
L1201294-05	FIELD BLANK	SOUTH KINGSTOWN, RI	01/24/12 14:20
L1201294-06	GP-21	SOUTH KINGSTOWN, RI	01/24/12 14:21
L1201294-07	GF	SOUTH KINGSTOWN, RI	01/24/12 15:15

Project Name: ROSE HILL LANDFILL **Lab Number:** L1201294
Project Number: CJI-1747 **Report Date:** 01/31/12

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. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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.

For additional information, please contact Client Services at 800-624-9220.

Volatile Organics in Air

Canisters were released from the laboratory on January 12, 2012.

The canister certification results are provided as an addendum.

L1201294-07 and WG515265-5 Duplicate have elevated detection limits due to the dilution required by the elevated concentrations of 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: 01/31/12

AIR

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1201294
Project Number:	CJI-1747	Report Date:	01/31/12

Air Analysis Report

Lab ID:	L1201294-01	Date Collected:	01/24/12 14:37
Client ID:	GP-18	Date Received:	01/24/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15		
Analytical Date:	01/25/12 15:13		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Propylene	5.38	0.500	--	9.26	0.860	--		1
Dichlorodifluoromethane	0.520	0.200	--	2.57	0.989	--		1
Chloromethane	0.334	0.200	--	0.690	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	0.213	0.200	--	1.20	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	0.531	0.200	--	1.65	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	22.9	0.200	--	67.5	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	0.215	0.200	--	0.758	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	Lab Job #	L1201294
Project Number:	CJI-1747	Report Date	01/31/12

Air Analysis Results

Lab ID:	L1201294-01	Date Collected:	01/24/12 14:37
Client ID:	GP-18	Date Received:	01/24/12
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 (Low Level) - 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	0.411	0.200	--	1.55	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	0.688	0.200	--	3.38	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 #	L1201294
Project Location:	CJI-1747	Report Date:	01/31/12

Air Analysis Report

Lab ID:	L1201294-01	Date Collected:	01/24/12 14:37
Client ID:	GP-18	Date Received:	01/24/12
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 (Low Level) - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	107		60-140
Bromochloromethane	103		60-140
chlorobenzene-d5	97		60-140

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1201294
Project Number:	CJI-1747	Report Date:	01/31/12

AIR ANALYSIS DATA

Lab ID:	L1201294-02	Date Collected:	01/24/12 14:42
Client ID:	GP-16	Date Received:	01/24/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15		
Analytical Date:	01/25/12 15:50		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - Mansfield Lab								
Propylene	6.23	0.500	--	10.7	0.860	--		1
Dichlorodifluoromethane	0.611	0.200	--	3.02	0.989	--		1
Chloromethane	0.541	0.200	--	1.12	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	0.249	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	0.455	0.200	--	1.42	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	23.1	0.200	--	68.1	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	0.284	0.200	--	1.00	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.271	0.200	--	0.866	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1201294
Project Number:	CJI-1747	Report Date:	01/31/12

Lab ID:	L1201294-02	Date Collected:	01/24/12 14:42
Client ID:	GP-16	Date Received:	01/24/12
Sample Location:	SOUTH KINGSTOWN, RI	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 (Low Level) - 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	1.17	0.200	--	4.41	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	0.844	0.200	--	3.66	0.869	--		1
p/m-Xylene	1.63	0.400	--	7.08	1.74	--		1
Styrene	0.420	0.200	--	1.79	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.45	0.200	--	6.30	0.869	--		1
1,3,5-Trimethybenzene	1.13	0.200	--	5.56	0.983	--		1
1,2,4-Trimethylbenzene	5.40	0.200	--	26.5	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 Job Number:	L1201294
Project Number:	CJI-1747	Report Date:	01/31/12

AIR ANALYSIS DATA

Lab ID:	L1201294-02	Date Collected:	01/24/12 14:42
Client ID:	GP-16	Date Received:	01/24/12
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 (Low Level) - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	117		60-140
Bromochloromethane	103		60-140
chlorobenzene-d5	103		60-140

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1201294
Project Number:	CJI-1747	Report Date:	01/31/12

AIR ANALYSIS DATA

Lab ID:	L1201294-03	Date Collected:	01/24/12 14:47
Client ID:	GP-11	Date Received:	01/24/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15		
Analytical Date:	01/25/12 16:28		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - Mansfield Lab								
Propylene	2.68	0.500	--	4.61	0.860	--		1
Dichlorodifluoromethane	0.748	0.200	--	3.70	0.989	--		1
Chloromethane	0.645	0.200	--	1.33	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	0.268	0.200	--	1.51	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	0.239	0.200	--	0.744	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	5.47	0.200	--	16.1	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	0.282	0.200	--	0.901	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1201294
Project Number:	CJI-1747	Report Date:	01/31/12

Lab ID:	L1201294-03	Date Collected:	01/24/12 14:47
Client ID:	GP-11	Date Received:	01/24/12
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 (Low Level) - Mansfield Lab								
Cyclohexane	0.231	0.200	--	0.795	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	0.644	0.200	--	2.43	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	0.278	0.200	--	1.21	0.869	--		1
p/m-Xylene	0.563	0.400	--	2.44	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	0.434	0.200	--	1.88	0.869	--		1
1,3,5-Trimethybenzene	0.390	0.200	--	1.92	0.983	--		1
1,2,4-Trimethylbenzene	1.95	0.200	--	9.59	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

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Lab ID:	L1201294-03	Date Collected:	01/24/12 14:47
Client ID:	GP-11	Date Received:	01/24/12
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 (Low Level) - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	114		60-140
Bromochloromethane	103		60-140
chlorobenzene-d5	99		60-140

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1201294
Project Number:	CJI-1747	Report Date:	01/31/12

Lab ID:	L1201294-04	Date Collected:	01/24/12 14:47
Client ID:	DUP (GP-11)	Date Received:	01/24/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15		
Analytical Date:	01/25/12 17:05		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Propylene	3.52	0.500	--	6.06	0.860	--		1
Dichlorodifluoromethane	0.917	0.200	--	4.53	0.989	--		1
Chloromethane	0.575	0.200	--	1.19	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	0.307	0.200	--	1.72	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	0.314	0.200	--	0.978	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	3.41	0.200	--	10.0	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Chloroform	0.325	0.200	--	1.59	0.977	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.224	0.200	--	0.789	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.464	0.200	--	1.48	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1

Project Name:	ROSE HILL LANDFILL	Lab Job #	L1201294
Project Number:	CJI-1747	Report Date:	01/31/12

Air Analysis Results

Lab ID:	L1201294-04	Date Collected:	01/24/12 14:47
Client ID:	DUP (GP-11)	Date Received:	01/24/12
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 (Low Level) - Mansfield Lab								
Cyclohexane	0.769	0.200	--	2.65	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	2.18	0.200	--	8.22	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	0.830	0.200	--	3.60	0.869	--		1
p/m-Xylene	1.49	0.400	--	6.47	1.74	--		1
Styrene	0.300	0.200	--	1.28	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.18	0.200	--	5.12	0.869	--		1
1,3,5-Trimethybenzene	0.571	0.200	--	2.81	0.983	--		1
1,2,4-Trimethylbenzene	2.32	0.200	--	11.4	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 Job #	L1201294
Project Number:	CJI-1747	Report Date:	01/31/12

AIR ANALYSIS DATA

Lab ID:	L1201294-04	Date Collected:	01/24/12 14:47
Client ID:	DUP (GP-11)	Date Received:	01/24/12
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 (Low Level) - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	122		60-140
Bromochloromethane	105		60-140
chlorobenzene-d5	103		60-140

Project Name:	ROSE HILL LANDFILL	Lab Job #	L1201294
Project Number:	CJI-1747	Report Date:	01/31/12

Air Analysis Report

Lab ID:	L1201294-05	Date Collected:	01/24/12 14:20
Client ID:	FIELD BLANK	Date Received:	01/24/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15		
Analytical Date:	01/25/12 14:36		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Propylene	ND	0.500	--	ND	0.860	--		1
Dichlorodifluoromethane	0.489	0.200	--	2.42	0.989	--		1
Chloromethane	0.582	0.200	--	1.20	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	0.225	0.200	--	1.26	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	0.302	0.200	--	0.891	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	0.254	0.200	--	0.811	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1

Project Name:	ROSE HILL LANDFILL	Project #	L1201294
Project Location:	CJI-1747	Report Date:	01/31/12

Air Analysis Results

Lab ID:	L1201294-05	Date Collected:	01/24/12 14:20
Client ID:	FIELD BLANK	Date Received:	01/24/12
Sample Location:	SOUTH KINGSTOWN, RI	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 (Low Level) - 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	0.262	0.200	--	0.987	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 Job Number:	L1201294
Project Number:	CJI-1747	Report Date:	01/31/12

AIR ANALYSIS DATA

Lab ID:	L1201294-05	Date Collected:	01/24/12 14:20
Client ID:	FIELD BLANK	Date Received:	01/24/12
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 (Low Level) - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	111		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	98		60-140

Project Name:	ROSE HILL LANDFILL	Lab Job #	L1201294
Project Number:	CJI-1747	Report Date:	01/31/12

Air Analysis Report

Lab ID:	L1201294-06	Date Collected:	01/24/12 14:21
Client ID:	GP-21	Date Received:	01/24/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15		
Analytical Date:	01/26/12 09:15		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Propylene	17.1	0.500	--	29.4	0.860	--		1
Dichlorodifluoromethane	0.444	0.200	--	2.20	0.989	--		1
Chloromethane	1.08	0.200	--	2.23	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	0.233	0.200	--	1.31	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	0.343	0.200	--	1.07	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	55.7	0.200	--	164	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	0.662	0.200	--	2.33	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.633	0.200	--	2.02	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1

Project Name:	ROSE HILL LANDFILL	Lab Job Number:	L1201294
Project Number:	CJI-1747	Report Date:	01/31/12

Air Analysis Results

Lab ID:	L1201294-06	Date Collected:	01/24/12 14:21
Client ID:	GP-21	Date Received:	01/24/12
Sample Location:	SOUTH KINGSTOWN, RI	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 (Low Level) - Mansfield Lab								
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Trichloroethene	0.316	0.200	--	1.70	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	1.48	0.200	--	5.58	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	0.756	0.200	--	3.28	0.869	--		1
p/m-Xylene	1.37	0.400	--	5.95	1.74	--		1
Styrene	0.328	0.200	--	1.40	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.08	0.200	--	4.69	0.869	--		1
1,3,5-Trimethybenzene	0.614	0.200	--	3.02	0.983	--		1
1,2,4-Trimethylbenzene	2.67	0.200	--	13.1	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:	L1201294
Project Number:	CJI-1747	Report Date:	01/31/12

AIR ANALYSIS DATA

Lab ID:	L1201294-06	Date Collected:	01/24/12 14:21
Client ID:	GP-21	Date Received:	01/24/12
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 (Low Level) - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	114		60-140
Bromochloromethane	105		60-140
chlorobenzene-d5	102		60-140

Project Name:	ROSE HILL LANDFILL	Lab Number:	L1201294
Project Number:	CJI-1747	Report Date:	01/31/12

Lab ID:	L1201294-07 D	Date Collected:	01/24/12 15:15
Client ID:	GF	Date Received:	01/24/12
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15		
Analytical Date:	01/25/12 18:17		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Propylene	74.5	5.00	--	128	8.60	--		10
Dichlorodifluoromethane	21.3	2.00	--	105	9.89	--		10
Chloromethane	ND	2.00	--	ND	4.13	--		10
Freon-114	10.5	2.00	--	73.4	14.0	--		10
Vinyl chloride	966	2.00	--	2470	5.11	--		10
1,3-Butadiene	ND	2.00	--	ND	4.42	--		10
Bromomethane	ND	2.00	--	ND	7.77	--		10
Chloroethane	80.3	2.00	--	212	5.28	--		10
Trichlorofluoromethane	ND	2.00	--	ND	11.2	--		10
1,1-Dichloroethene	3.92	2.00	--	15.5	7.93	--		10
Methylene chloride	ND	10.0	--	ND	34.7	--		10
Carbon disulfide	ND	2.00	--	ND	6.23	--		10
Freon-113	ND	2.00	--	ND	15.3	--		10
trans-1,2-Dichloroethene	4.83	2.00	--	19.2	7.93	--		10
1,1-Dichloroethane	14.8	2.00	--	59.9	8.09	--		10
Methyl tert butyl ether	ND	2.00	--	ND	7.21	--		10
2-Butanone	46.4	2.00	--	137	5.90	--		10
cis-1,2-Dichloroethene	810	2.00	--	3210	7.93	--		10
Chloroform	ND	2.00	--	ND	9.77	--		10
1,2-Dichloroethane	ND	2.00	--	ND	8.09	--		10
n-Hexane	41.3	2.00	--	146	7.05	--		10
1,1,1-Trichloroethane	10.6	2.00	--	57.8	10.9	--		10
Benzene	8.84	2.00	--	28.2	6.39	--		10
Carbon tetrachloride	ND	2.00	--	ND	12.6	--		10

Project Name:	ROSE HILL LANDFILL	Project Number:	L1201294
Project Number:	CJI-1747	Report Date:	01/31/12

AIR ANALYSIS DATA

Lab ID:	L1201294-07 D	Date Collected:	01/24/12 15:15
Client ID:	GF	Date Received:	01/24/12
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 (Low Level) - Mansfield Lab								
Cyclohexane	20.2	2.00	--	69.5	6.88	--		10
1,2-Dichloropropane	ND	2.00	--	ND	9.24	--		10
Trichloroethene	430	2.00	--	2310	10.7	--		10
cis-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
trans-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
1,1,2-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Toluene	2.62	2.00	--	9.87	7.54	--		10
1,2-Dibromoethane	ND	2.00	--	ND	15.4	--		10
Tetrachloroethene	ND	2.00	--	ND	13.6	--		10
Chlorobenzene	ND	2.00	--	ND	9.21	--		10
Ethylbenzene	ND	2.00	--	ND	8.69	--		10
p/m-Xylene	ND	4.00	--	ND	17.4	--		10
Styrene	ND	2.00	--	ND	8.52	--		10
1,1,2,2-Tetrachloroethane	ND	2.00	--	ND	13.7	--		10
o-Xylene	ND	2.00	--	ND	8.69	--		10
1,3,5-Trimethybenzene	ND	2.00	--	ND	9.83	--		10
1,2,4-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
Benzyl chloride	ND	2.00	--	ND	10.4	--		10
1,3-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,4-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2,4-Trichlorobenzene	ND	2.00	--	ND	14.8	--		10
Hexachlorobutadiene	ND	2.00	--	ND	21.3	--		10

Project Name:	ROSE HILL LANDFILL	Project Number:	L1201294
Project Number:	CJI-1747	Report Date:	01/31/12

Air Analysis Report

Lab ID:	L1201294-07 D	Date Collected:	01/24/12 15:15
Client ID:	GF	Date Received:	01/24/12
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 (Low Level) - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	126		60-140
Bromochloromethane	107		60-140
chlorobenzene-d5	105		60-140

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

Lab Number: L1201294
Report Date: 01/31/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 01/25/12 13:10

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01-07 Batch: WG515265-4								
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
Project Number: CJI-1747

Lab Number: L1201294
Report Date: 01/31/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 01/25/12 13:10

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01-07 Batch: WG515265-4								
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: L1201294
Report Date: 01/31/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 01/25/12 13:10

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01-07 Batch: WG515265-4								
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: L1201294
Report Date: 01/31/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-07 Batch: WG515265-3								
Chlorodifluoromethane	94		-		70-130	-		
Propylene	100		-		70-130	-		
Propane	88		-		70-130	-		
Dichlorodifluoromethane	105		-		70-130	-		
Chloromethane	103		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	108		-		70-130	-		
Methanol	73		-		70-130	-		
Vinyl chloride	102		-		70-130	-		
1,3-Butadiene	118		-		70-130	-		
Butane	87		-		70-130	-		
Bromomethane	104		-		70-130	-		
Chloroethane	100		-		70-130	-		
Ethyl Alcohol	94		-		70-130	-		
Dichlorofluoromethane	91		-		70-130	-		
Vinyl bromide	106		-		70-130	-		
Acrolein	78		-		70-130	-		
Acetone	97		-		70-130	-		
Acetonitrile	92		-		70-130	-		
Trichlorofluoromethane	110		-		70-130	-		
iso-Propyl Alcohol	125		-		70-130	-		
Acrylonitrile	91		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1201294
Report Date: 01/31/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-07 Batch: WG515265-3								
Pentane	98		-		70-130	-		
Ethyl ether	88		-		70-130	-		
1,1-Dichloroethene	109		-		70-130	-		
tert-Butyl Alcohol	104		-		70-130	-		
Methylene chloride	109		-		70-130	-		
3-Chloropropene	105		-		70-130	-		
Carbon disulfide	107		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	110		-		70-130	-		
trans-1,2-Dichloroethene	101		-		70-130	-		
1,1-Dichloroethane	106		-		70-130	-		
Methyl tert butyl ether	100		-		70-130	-		
Vinyl acetate	107		-		70-130	-		
2-Butanone	104		-		70-130	-		
cis-1,2-Dichloroethene	115		-		70-130	-		
Ethyl Acetate	110		-		70-130	-		
Chloroform	105		-		70-130	-		
Tetrahydrofuran	97		-		70-130	-		
2,2-Dichloropropane	91		-		70-130	-		
1,2-Dichloroethane	100		-		70-130	-		
n-Hexane	112		-		70-130	-		
Isopropyl Ether	112		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1201294
Report Date: 01/31/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-07 Batch: WG515265-3								
Ethyl-Tert-Butyl-Ether	102		-		70-130	-		
1,1,1-Trichloroethane	115		-		70-130	-		
1,1-Dichloropropene	114		-		70-130	-		
Benzene	113		-		70-130	-		
Carbon tetrachloride	110		-		70-130	-		
Cyclohexane	116		-		70-130	-		
Tertiary-Amyl Methyl Ether	113		-		70-130	-		
Dibromomethane	112		-		70-130	-		
1,2-Dichloropropane	115		-		70-130	-		
Bromodichloromethane	113		-		70-130	-		
1,4-Dioxane	126		-		70-130	-		
Trichloroethene	121		-		70-130	-		
2,2,4-Trimethylpentane	115		-		70-130	-		
Heptane	109		-		70-130	-		
2,4,4-Trimethyl-1-Pentene	96		-		70-130	-		
cis-1,3-Dichloropropene	118		-		70-130	-		
4-Methyl-2-pentanone	123		-		70-130	-		
2,4,4-Trimethyl-2-Pentene	89		-		70-130	-		
trans-1,3-Dichloropropene	103		-		70-130	-		
1,1,2-Trichloroethane	121		-		70-130	-		
Toluene	100		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1201294
Report Date: 01/31/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-07 Batch: WG515265-3								
1,3-Dichloropropane	101		-		70-130	-		
2-Hexanone	112		-		70-130	-		
Dibromochloromethane	98		-		70-130	-		
1,2-Dibromoethane	110		-		70-130	-		
Butyl Acetate	102		-		70-130	-		
Octane	96		-		70-130	-		
Tetrachloroethene	107		-		70-130	-		
1,1,1,2-Tetrachloroethane	94		-		70-130	-		
Chlorobenzene	109		-		70-130	-		
Ethylbenzene	105		-		70-130	-		
p/m-Xylene	104		-		70-130	-		
Bromoform	88		-		70-130	-		
Styrene	108		-		70-130	-		
1,1,2,2-Tetrachloroethane	113		-		70-130	-		
o-Xylene	106		-		70-130	-		
1,2,3-Trichloropropane	101		-		70-130	-		
Nonane (C9)	101		-		70-130	-		
Isopropylbenzene	103		-		70-130	-		
Bromobenzene	103		-		70-130	-		
o-Chlorotoluene	102		-		70-130	-		
n-Propylbenzene	104		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1201294
Report Date: 01/31/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-07 Batch: WG515265-3								
p-Chlorotoluene	101		-		70-130	-		
4-Ethyltoluene	98		-		70-130	-		
1,3,5-Trimethylbenzene	109		-		70-130	-		
tert-Butylbenzene	107		-		70-130	-		
1,2,4-Trimethylbenzene	115		-		70-130	-		
Decane (C10)	99		-		70-130	-		
Benzyl chloride	92		-		70-130	-		
1,3-Dichlorobenzene	113		-		70-130	-		
1,4-Dichlorobenzene	113		-		70-130	-		
sec-Butylbenzene	106		-		70-130	-		
p-Isopropyltoluene	102		-		70-130	-		
1,2-Dichlorobenzene	114		-		70-130	-		
n-Butylbenzene	112		-		70-130	-		
1,2-Dibromo-3-chloropropane	106		-		70-130	-		
Undecane	114		-		70-130	-		
Dodecane (C12)	120		-		70-130	-		
1,2,4-Trichlorobenzene	120		-		70-130	-		
Naphthalene	114		-		70-130	-		
1,2,3-Trichlorobenzene	122		-		70-130	-		
Hexachlorobutadiene	113		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

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

Lab Number: L1201294
Report Date: 01/31/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG515265-5 QC Sample: L1201294-07 Client ID: GF						
Propylene	74.5	73.4	ppbV	1		25
Dichlorodifluoromethane	21.3	21.3	ppbV	0		25
Chloromethane	ND	ND	ppbV	NC		25
Freon-114	10.5	10.7	ppbV	2		25
Vinyl chloride	966	954	ppbV	1		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	80.3	82.2	ppbV	2		25
Trichlorofluoromethane	ND	ND	ppbV	NC		25
1,1-Dichloroethene	3.92	3.59	ppbV	9		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	4.83	4.69	ppbV	3		25
1,1-Dichloroethane	14.8	14.0	ppbV	6		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	46.4	46.1	ppbV	1		25
cis-1,2-Dichloroethene	810	764	ppbV	6		25
Chloroform	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

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

Lab Number: L1201294
Report Date: 01/31/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG515265-5 QC Sample: L1201294-07 Client ID: GF					
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	41.3	39.6	ppbV	4	25
1,1,1-Trichloroethane	10.6	10.2	ppbV	4	25
Benzene	8.84	8.33	ppbV	6	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Cyclohexane	20.2	19.3	ppbV	5	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Trichloroethene	430	416	ppbV	3	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	2.62	2.55	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: L1201294
Report Date: 01/31/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG515265-5 QC Sample: L1201294-07 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:** L1201294

Project Number: CJI-1747 **Report Date:** 01/31/12

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Cleaning Batch ID	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Out mL/min	Flow In mL/min	% RSD
L1201294-01	GP-18	0382	#20 AMB		-	-	8.9	8.4	6
L1201294-01	GP-18	468	2.7L Can	L1200227	-29.2	0.0	-	-	-
L1201294-02	GP-16	0207	#20 AMB		-	-	9.0	9.4	4
L1201294-02	GP-16	416	2.7L Can	L1200227	-28.3	-3.5	-	-	-
L1201294-03	GP-11	0241	#20 SV		-	-	8.9	9.0	1
L1201294-03	GP-11	538	2.7L Can	L1200227	-29.2	-7.5	-	-	-
L1201294-04	DUP (GP-11)	0495	#20 SV		-	-	8.9	8.8	1
L1201294-04	DUP (GP-11)	415	2.7L Can	L1200227	-28.6	-6.8	-	-	-
L1201294-05	FIELD BLANK	0211	#16 AMB		-	-	9.0	9.4	4
L1201294-05	FIELD BLANK	544	2.7L Can	L1200227	-28.0	-4.6	-	-	-
L1201294-06	GP-21	0443	#90 SV		-	-	9.0	9.1	1
L1201294-06	GP-21	232	2.7L Can	L1200227	-29.2	-6.2	-	-	-
L1201294-07	GF	0349	#20 AMB		-	-	8.7	9.3	7
L1201294-07	GF	545	2.7L Can	L1200227	-28.9	-3.5	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1200227
Report Date: 01/31/12

Air Canister Certification Results

Lab ID:	L1200227-01	Date Collected:	01/04/12 16:15
Client ID:	CAN 214 SHELF 1	Date Received:	01/05/12
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15		
Analytical Date:	01/07/12 18:29		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - 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
Project Number: CANISTER QC BAT

Lab Number: L1200227
Report Date: 01/31/12

Air Canister Certification Results

Lab ID: L1200227-01
Client ID: CAN 214 SHELF 1
Sample Location:

Date Collected: 01/04/12 16:15
Date Received: 01/05/12
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 (Low Level) - 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:** L1200227

Project Number: CANISTER QC BAT **Report Date:** 01/31/12

Air Canister Certification Results

Lab ID: L1200227-01 Date Collected: 01/04/12 16:15

Client ID: CAN 214 SHELF 1 Date Received: 01/05/12

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - 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
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

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1200227

Project Number: CANISTER QC BAT **Report Date:** 01/31/12

Air Canister Certification Results

Lab ID: L1200227-01 Date Collected: 01/04/12 16:15

Client ID: CAN 214 SHELF 1 Date Received: 01/05/12

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 (Low Level) - Mansfield Lab								
Bromobenzene	ND	0.200	--	ND	0.793	--		1
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	107		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	96		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1200227
Report Date: 01/31/12

Air Canister Certification Results

Lab ID: L1200227-01
Client ID: CAN 214 SHELF 1
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/07/12 18:29
Analyst: RY

Date Collected: 01/04/12 16:15
Date Received: 01/05/12
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:** L1200227

Project Number: CANISTER QC BAT **Report Date:** 01/31/12

Air Canister Certification Results

Lab ID: L1200227-01 Date Collected: 01/04/12 16:15

Client ID: CAN 214 SHELF 1 Date Received: 01/05/12

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
Project Number: CANISTER QC BAT

Lab Number: L1200227
Report Date: 01/31/12

Air Canister Certification Results

Lab ID: L1200227-01
Client ID: CAN 214 SHELF 1
Sample Location:

Date Collected: 01/04/12 16:15
Date Received: 01/05/12
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	103		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	96		60-140

AIR Petro Can Certification

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1200227

Project Number: CANISTER QC BAT **Report Date:** 01/31/12

AIR CAN CERTIFICATION RESULTS

Lab ID:	L1200227-01	Date Collected:	01/04/12 16:15
Client ID:	CAN 214 SHELF 1	Date Received:	01/05/12
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	01/07/12 14:07		
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: L1201294
Report Date: 01/31/12

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(*)
L1201294-01A	Canister - 2.7 Liter	N/A	NA		Y	Absent	TO15-LL(30)
L1201294-02A	Canister - 2.7 Liter	N/A	NA		Y	Absent	TO15-LL(30)
L1201294-03A	Canister - 2.7 Liter	N/A	NA		Y	Absent	TO15-LL(30)
L1201294-04A	Canister - 2.7 Liter	N/A	NA		Y	Absent	TO15-LL(30)
L1201294-05A	Canister - 2.7 Liter	N/A	NA		Y	Absent	TO15-LL(30)
L1201294-06A	Canister - 2.7 Liter	N/A	NA		Y	Absent	TO15-LL(30)
L1201294-07A	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:** L1201294

Project Number: CJI-1747 **Report Date:** 01/31/12

GLOSSARY

on s

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.

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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.

t e s

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:** L1201294

Project Number: CJI-1747 **Report Date:** 01/31/12

t e s

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 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.

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.

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.

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.

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.

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

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.

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX.

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.

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

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:

Date Rec'd in Lab:

ALPHA Job #: L1201294

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)
01294-01	GP-18	1/24/12	10:37	2:37	-29.2	045	SV	SH	2.7L	468	0382	☐	☒	☐	☐	☐	☐	☐	
02	GP-16	1/24/12	10:41	2:42	-28.3	-811	SV	SH	2.7L	416	0207	☐	☒	☐	☐	☐	☐	☐	
03	GP-11	1/24/12	10:47	2:47	-29.2	-811	SV	SH	2.7L	538	0241	☐	☒	☐	☐	☐	☐	☐	
04	DUP (GP-11)	1/24/12	10:47	2:47	-28.6	-78	~~AA~~ SV 1/25/12	SH	2.7L	4156	0495	☐	☒	☐	☐	☐	☐	☐	
05	Field Blank	1/24/12	10:16	2:20	-28.0	-512	SV	SH	2.7L	544	0211	☐	☒	☐	☐	☐	☐	☐	
06	GP-21	1/24/12	10:20	2:21	-29.2	-659	SV	SH	2.7L	232	0443	☐	☒	☐	☐	☐	☐	☐	
											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]	1.24 4:30	T. Handell	1/24/12 1630
T. Handell	1/24/12 1705	[illegible]	1/24/12 17:05

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

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:

Date Rec'd in Lab:

ALPHA Job #: L1201294

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)
01294-07	GF	1/24/12	10:25	3:15	-28.9	-3.76	SV	SH	2.7L	545	0349	☐	☒	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
											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]	1:24 4:30	T. Hardell	1/24/12 [illegible]
T. Hardell	1/24/12 1705	[signature]	1/24/12 17:05

Please print clearly & legibly and complete. 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