Report

Landfill Closure
Rose Hill Landfill Superfund Site

Annual Monitoring Report

Year 3: 2010 - 2011

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The Louis Berger Group, Inc.

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LANDFILL CLOSURE – ROSE HILL LANDFILL SUPERFUND SITE

ANNUAL MONITORING REPORT
Year 3: 2010-2011

Submitted To:
Rhode Island Department of Environmental Management
Office of Waste Management
Attention: Mr. Gary Jablonski
235 Promenade Street
Providence, Rhode Island 02908

Submitted By:
The Louis Berger Group, Inc.
295 Promenade Street
Providence, Rhode Island 02908

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EXECUTIVE SUMMARY

The Year 3 landfill post-closure monitoring and sampling regimen involved four quarterly sampling events conducted between Spring 2010 and Winter 2011 by The Louis Berger Group, Inc (Berger) as part of the Long-Term Monitoring Work Plan for the Rose Hill Landfill Superfund Site (Site) located in South Kingstown, Rhode Island. Berger conducted first quarter sampling in April of 2010, second quarter sampling in July of 2010, third quarter sampling in October 2010, and fourth quarter sampling in January of 2011.

Groundwater

Groundwater monitoring and sampling was conducted in the first and second quarters. Fourteen monitoring wells and three residential wells were sampled. 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 ten monitoring wells. The VOC acetone was detected above the PAL in a single well. The SVOC bis(2-ethylheyl)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; samples were analyzed for total metals, dissolved metals, and several other analytes. Aluminum, cadmium, copper, iron, lead, manganese and zinc were detected above PAL in one or more samples in both the total and dissolved metals analysis.

Landfill Gas

Methane monitoring and landfill gas sampling was conducted all four quarters. 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 of (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 64.6%; the average concentration of methane detected was 4.1%. Field monitoring of the gas flare detected methane concentrations ranging from 40.0% to 57.8%, with an average concentration of 48.2%.

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, 1,1-dichloroethene, 1,2,4-trimethylbenzene, benzene, chloroform, cis-1,2-dichloroethene, dichlorodifluoromethane, ethylbenzene, n-hexane, tetrachloroethene, toluene, trans-1,2-dichloroethene, trichloroethene, and vinyl chloride were detected above PALs in one or

more samples. Due to the laboratory air sampling results being above the PALs, in accordance with the Long-Term Monitoring Work Plan, a Screen3 Dispersion Modeling was conducted on the sampling results from gas vents. Results of the Screen3 Model concluded that none of the pollutants exceeded the PALs established for the Site.

1.0 INTRODUCTION

This report summarizes the results of Berger's Year 3 quarterly monitoring and sampling regimen completed as part of the Long-Term Monitoring 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 Long-Term Monitoring Plan, Berger personnel conducted groundwater sampling during the first and second quarters. First quarter groundwater sampling was conducted between April 27 and 28, 2010; second quarter sampling was conducted between July 18 and July 21, 2010. 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, and RES #11. Residential 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.

The samples were collected using peristaltic pumps 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 in the first quarter, and MW-07-BR in both the first and second quarters, 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. The residential well samples were collected from accessible spigots after allowing water to flow from the pumps for 30 minutes. 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 VOCs, SVOCs, and metals. Laboratory analytical results for groundwater are provided in Section 3.2, complete laboratory reports are contained in Appendix D.

Groundwater samples were monitored in the field for the following parameters: pH, conductivity, dissolved oxygen, turbidity, temperature, 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 on May 27, May 28, and May 30 2010, and second quarter sampling between July 19 and July 21, 2010. 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, turbidity, 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 8, 2010; second quarter sampling on July 20, 2010; third quarter sampling on October 26, 2010; and fourth quarter sampling on January 25, 2011. Landfill gas was monitored at the gas flare and 42 gas probes located both within and outside the SWA. Landfill gas sampling locations are shown on Figure 5 (Appendix A).

Landfill gas samples were monitored for in the field methane, carbon dioxide, oxygen, percent lower explosive limit (LEL), and hydrogen sulfide using a LandTek-2000 landfill gas meter provided by U.S. Environmental Rental. The percent of methane in landfill probes ranged from 0.0% to 64.6%, with the highest methane reading occurring in GP-28 during the second quarter. The percent of methane in the gas flare ranged from 40.0% to 57.8%, with an average of 48.2%. 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	0.1	0.1 – 5.4	46.7
Q2	15.4	0.1 – 64.6	57.8
Q3	0.1	0.0 - 0.2	40.0
Q4	0.0	0.0 – 0.0	48.3
Year 1	4.1	0.0 – 64.6	48.2

In addition to the field monitoring described above, a subset of six 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 gas probes GP-11, GP-16, GP-18, GP-21, and GF. A duplicate sample was collected from GP-11; a field blank was also collected. Samples were sent to Alpha for analysis. During third quarter sampling the GP-16 sample could not be sent to the lab for analysis as the tubing became unattached from the Summa® canister at some point during sample collection and therefore the sample was compromised.

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 Long-Term Monitoring 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 D. 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, cadmium, chromium, lead, manganese, sodium, vanadium, and zinc. Manganese was detected above the laboratory reporting limit in twelve monitoring wells and in two residential wells during both the first and second quarter sampling rounds. Manganese concentrations exceeded the PAL of 0.3 milligrams per liter (mg/L) in nine monitoring wells during both the first quarter and second quarter, with the highest concentration detected during the second quarter sampling round in MW-12-DO (3.68 mg/L). The average concentration of manganese in samples where the analyte was detected in the first quarter was 1.20 mg/L, this increased slightly to 1.24 mg/L in the second quarter. During the pre-design investigation, manganese was detected in 17 wells and exceeded the PAL in ten wells; the average concentration of manganese was 2.03 mg/L.

Barium was detected at concentrations above the laboratory reporting limit in all monitoring wells and two residential wells in both quarters. The concentration of barium did not exceed the PAL of 2.0 mg/L in any of the samples collected. Barium was not detected during the pre-design investigation.

Aluminum was detected above the laboratory reporting limit in six monitoring wells and one residential well during both the first and second quarters. The concentration of aluminum did not exceed the PAL of 3.7 milligrams per liter (mg/L) in any of these samples. The highest concentration of aluminum was 1.41 mg/L, in the sample collected from MW-07-DO during first quarter sampling. The average concentration of aluminum decreased from 0.31 mg/L in the first quarter to 0.06 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 1.9 mg/L.

Arsenic was detected above the laboratory limit in seven monitoring wells in both quarters. The concentration of arsenic detected did not exceed the PAL of 0.01 mg/L in any of the samples collected. The average concentration of this metal in the first quarter was 0.0009 mg/L and in the second quarter was 0.0014 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.

Zinc was detected above the laboratory reporting limit in three monitoring wells and three residential wells in the first quarter, and in two monitoring wells and two residential wells in the second quarter. The concentration of zinc did not exceed the PAL of 11.0 mg/L in any sample. In the pre-design investigation zinc was detected at concentrations below the PAL in samples from several monitoring wells and a single residential well.

Chromium was detected above the laboratory reporting limit in two monitoring wells during the first quarter and in one monitoring well during 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. 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 and one from a residential well during the first quarter, and in one monitoring well and two residential well samples 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 3 sampling.

In the first quarter, vanadium was detected above the laboratory reporting limit in two monitoring wells and in two residential wells, in the second quarter vanadium was detected in a single 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.

Antimony was detected above the laboratory reporting limit in one monitoring well (MW-07-BR) during the both quarters. The concentration did not exceed 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 3 sampling.

Sodium was detected in all wells during both the first and second quarter sampling rounds. Concentrations ranged from 5.8 to 68 mg/L, with an average concentration of 20.7 mg/L in the first quarter and 19.9 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 24 mg/L.

Beryllium, cadmium, and thallium were not detected above the laboratory reporting limit in any samples. These metals were also not detected during the pre-design investigation. Table 3-1 below presents a summary of metals testing in groundwater field sampling.

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

ANALYTE	PAL (mg/L)	MEAN CONCENTRATION[1] (µg/L)							
		Q1		Q2		Year 3		Pre-Design	
		Mean	(#)	Mean	(#)	Mean	(#)	Mean[2]	(#)
Aluminum	3.7	0.31	(7)	0.06	(7)	0.18	(14)	0.24	(9)
Antimony	0.006	0.0011	(1)	0.0014	(1)	0.0013	(2)	<MQL	(0)
Arsenic	0.01	0.0009	(7)	0.0012	(7)	0.0011	(14)	<MQL	(0)
Barium	2.0	0.0259	(16)	0.0243	(15)	0.0251	(31)	<MQL	(0)
Chromium	0.11	0.0018	(2)	0.0006	(1)	0.0014	(3)	0.2000	(1)
Lead	0.15	0.0027	(2)	0.0013	(3)	0.0018	(5)	<MQL	(0)
Manganese	0.3	**1.20**	(14)	**1.24**	(14)	**1.22**	(28)	**1.90**	(9)
Sodium	NE	21	(17)	20	(16)	20	(33)	24	(33)
Vanadium	0.26	0.0018	(4)	0.0007	(1)	0.0014	(5)	0.0055	(2)
Zinc	11	0.0169	(6)	0.0083	(4)	0.0134	(10)	0.0600	(3)

Notes:
[1] Mean concentration calculated from positive results only
[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
Bold Text indicates exceeds PAL
<MQL – Less than method quantitation limit

3.2.2 Volatile Organic Compounds

VOCs detected in groundwater samples included 1,1-dichloroethane, acetone, benzene, chlorobenzene, chloroethane, cis-1,2-dichloroethane, ethyl ether, isopropylbenzene, methyl tert-butyl ether, and vinyl-chloride. None of these 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, trichloroethene, and vinyl chloride.

No VOCs were detected at concentrations exceeding PALs. In the pre-design investigation, concentrations of 1,1-dichlroethane, benzene, trichloroethene, and vinyl chloride were detected in concentrations above PALs in one or more monitoring wells.

The laboratory detection limit (10 µg/L) for tetrahydrofuran exceeded the PAL of 8.8 µg/L. All tetrahydrofuran results for groundwater were below the laboratory detection limit.

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

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

ANALYTE	PAL (µg/L)	MEAN CONCENTRATION[1] (µg/L)							
		Q1		Q2		Year 3		Pre-Design	
		Mean	(#)	Mean	(#)	Mean	(#)	Mean[2]	(#)
1,1-Dichloroethane	800	1.83	(3)	1.45	(4)	1.61	7	3.22	(14)
1,2-Dichlorobenzene	600	<MQL	(0)	<MQL	(0)	<MQL	(0)	2.50	(1)
1,4-Dichlorobenzene	75	<MQL	(0)	<MQL	(0)	<MQL	(0)	5.00	(4)
Acetone	22,000	5.1	(1)	<5	(0)	5.1	(1)	<MQL	(0)
Benzene	5	1.16	(3)	0.98	(3)	1.07	(6)	3.34	(15)
Chlorobenzene	100	2.2	(3)	0.89	(4)	1.45	(7)	4.99	(14)
Chloroethane	21,000	5.125	(4)	8.07	(3)	6.39	(7)	35.8	(12)
Cis-1,2-Dichloroethene	70	0.94	(2)	0.56	(1)	0.81	(3)	6.32	(9)
Ethyl ether	1,200	3.3	(2)	3.1	(1)	3.23	(3)	11.53	(16)
Isopropylbenzene	660	1.35	(2)	1.8	(1)	1.50	(3)	0.91	(10)
Methyl tert-butyl ether	12	2.2	(1)	1.8	(1)	2.0	(2)	1.55	(6)
n-Propylbenzene	NE	<MQL	(0)	<MQL	(0)	<MQL	(0)	0.59	(5)
o-Xylene	1400	<MQL	(0)	<MQL	(0)	<MQL	(0)	1.37	(4)
p/m-Xylene	1400	<MQL	(0)	<MQL	(0)	<MQL	(0)	2.10	(2)
Tetrahydrofuran	8.8	<MQL	(0)	<MQL	(0)	<MQL	(0)	**36.50**	(2)
Toluene	1000	<MQL	(0)	<MQL	(0)	<MQL	(0)	1.13	(2)
Trichloroethene	5	<MQL	(0)	<MQL	(0)	<MQL	(0)	0.74	(5)
Vinyl Chloride	2	1.8	(1)	1.5	(1)	1.65	(2)	**13.34**	(8)

Notes:
[1] Mean concentration calculated from positive results only
[2] Mean concentration calculated from first and second quarter positive results from locations sampled both pre-design and post closure.
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-11BR during first quarter sample at a concentration of 8.1 µg/L, above the PAL of 6 µg/L. This analyte was not detected during second quarter sampling. During the pre-design field investigation the SVOC 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 D. 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

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, 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 µg/L in all samples collected during the first quarter and in two samples collected during the second quarter. The highest concentration detected was 174 µg/L in sample SW-13 during the second quarter. The average concentration of aluminum decreased from 150 µg/L to 95.8 µg/L between the first and second quarters. In the pre-design investigation, aluminum was detected above the PAL in all except three samples (two samples from SW-01, the unnamed tributary to Mitchell's Brook, and a single sample from SW-12, the furthest downstream sample), with an average concentration of 191 µg/L.

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 both quarters.. The highest concentration of iron detected occurred during the first quarter sampling round, 7,370 µg/L in the sample from SW-01, the average concentration of iron decreased from 2,503 µg/L to 1,876 µg/L between sampling rounds. In the pre-design investigation, iron was detected above the PAL in four samples and below the PAL in three, 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.

Manganese was detected above the laboratory limit in all samples. The concentration of manganese exceeded the PAL of 300 µg/L in one of the samples collected during the first quarter, and in two of the samples collected 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 169 µg/L in the first quarter to 298 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.

Lead was detected in all samples collected. The concentration of lead exceeded the PAL of 0.3 µg/L in two samples collected during the first quarter and in all samples collected during the

second quarter. The highest concentration detected was 38.9 µg/L in SW-01 during the first 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 iron during the pre-design was higher than the PAL, so it is possible that the PAL was also exceeded in other samples.

Zinc was detected above the laboratory limit in two samples collected in the first quarter and in three samples collected in the second. Samples from SW-13 had concentrations of zinc exceeding the PAL of 24 µg/L; the maximum concentration detected was 162.8 µg/L during the second quarter. Zinc was detected below the PAL in one of the samples from SW-09 during the pre-design investigation.

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 5.1 µg/L, collected from SW-01 during first 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.

Nickel was detected below the PAL of 100 µg/L in two samples during the first quarter and in four samples in the second quarter. The highest concentration of nickel detected was 1.1 µg/L in SW-01 during the first quarter. During the pre-design investigation nickel was not detected in any samples; the laboratory reporting limits for the pre-design were higher than the concentrations of this metal detected during the Year 3 sampling.

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 3 sampling.

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

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

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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 3		Pre-Design	
		Mean	(#)	Mean	(#)	Mean	(#)	Mean	(#)
Aluminum	87	**150**	(4)	**95.8**	(4)	**123**	(8)	**191**	(7)
Arsenic	150	2.0	(1)	1.0	(1)	1.5	(2)	<MQL	(0)
Copper	1.8	**2.18**	(4)	**3.03**	(4)	**2.60**	(8)	<MQL	(0)
Iron	1,000	**2,506**	(4)	**1,878**	(4)	**2,191**	(8)	**1,569**	(8)
Lead	0.3	**10.7**	(4)	**4.73**	(4)	**7.70**	(8)	**18.0**	(2)
Manganese	300	169	(4)	298	(4)	233	(8)	230	(8)
Nickel	100	0.85	(2)	1.05	(4)	0.98	(6)	<MQL	(0)
Zinc	24	23.8	(2)	**64.6**	(3)	**42.1**	(6)	20.0	(1)

Notes:
[1] Mean concentration calculated from positive results only
[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
Bold Text indicates exceeds PAL
<MQL – Less than method quantitation limit

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, cadmium, 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 three samples collected during the second quarter. The highest concentration detected was 514 µg/L in sample SW-02 during the first quarter. The average concentration of aluminum decreased from 250 µg/L to 1,78 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.

Iron was detected in all samples collected. The concentration of iron exceeded the PAL of 1,000 µg/L in a two samples collected in the second quarter. The highest concentration of iron detected occurred in SW-06, 1,090 µg/L. The average concentration of iron increased from 570 µg/L to 856 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.

Manganese was detected above the laboratory limit in all samples. The concentration of manganese exceeded the PAL of 300 µg/L in a single sample, collected from SW-04 (468 µg/L) during the second quarter. The average concentration of manganese increased from 93.4 µg/L in the first quarter to 259 µg/L mg/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.

Lead was detected in four samples during the first quarter and in three samples during the second quarter. The concentration of lead exceeded the PAL of 0.3 µg/L in all samples in which it was detected; the maximum concentration of lead detected was 4 µg/L, detected in SW-02 during first quarter sampling. Although lead was not detected in SW-06 during the second quarter sampling, the laboratory reporting limit for lead was µg/L, higher than the PAL; therefore there is the potential that the PAL was also exceeded in this sample. 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.

Zinc was detected above the laboratory limit in three samples collected in the first quarter and in all samples collected in the second. Two of the samples collected during both first and second quarter sampling contained zinc in concentrations exceeding the PAL of 24 µg/L. The maximum concentration detected was 466 µg/L, in SW-04 during the first quarter. Zinc was detected below the PAL in one of the samples from SW-04 during the pre-design investigation.

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 three samples collected during the second quarter. The maximum concentration of this analyte detected was 4.0 µg/L, collected from SW-02 during second quarter sampling. 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.

Nickel was detected below the PAL of 100 µg/L in three samples during the first quarter and in four samples in the second quarter. The highest concentration of nickel detected was 1.4 µg/L in SW-17 during the first quarter. During the pre-design investigation nickel was not detected in any samples; the laboratory reporting limits for the pre-design were higher than the concentrations of this metal detected during the Year 3 sampling.

Chromium was detected in two 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 3.

Cadmium was detected in two samples collected during the second quarter at concentrations above the PAL of 0.07 µg/L, the highest concentration was 8.6 µg/L, collected from SW-06, the

furthest downstream sample. Cadmium was not detected in any samples during the pre-design investigation, however, the laboratory reporting limit was higher than in Year 3 sampling.

Arsenic 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 1		Pre-Design	
		Mean	(#)	Mean	(#)	Mean	(#)	Mean	(#)
Aluminum	87	**250**	(4)	**178**	(4)	**214**	(8)	**269**	(8)
Cadmium	0.07	<MQL	(0)	**4.90**	(2)	**4.90**	(2)	<MQL	(0)
Chromium	16	0.60	(2)	0.0007	(1)	0.40	(3)	<MQL	(0)
Copper	1.8	1.28	(4)	**2.60**	(4)	**1.94**	(8)	<MQL	(0)
Iron	1,000	570	(4)	856	(4)	713	(8)	**1,075**	(8)
Lead	0.3	**1.635**	(4)	**1.57**	(3)	**1.60**	(7)	<MQL	(0)
Manganese	300	93.4	(4)	259	(4)	176	(8)	114	(8)
Nickel	100	0.87	(3)	1.05	(4)	0.97	(7)	<MQL	(0)
Zinc	24	**171**	(3)	**38.6**	(4)	**95.4**	(7)	10	(1)

Notes:
[1] Mean concentration calculated from positive results only
[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
Bold Text indicates exceeds PAL
<MQL – Less than method quantitation limit

3.3.2 Dissolved Metals

Dissolved metals detected in surface water samples included aluminum, arsenic, chromium, copper, iron, lead, manganese, nickel, and zinc.

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, copper, iron, lead, manganese, nickel, and zinc.

Aluminum was detected in three samples in the first quarter and two samples in the second quarter. The concentration of this metal was above the PAL of 87 µg/L in two samples collected

in the first quarter and in one samples collected in the second quarter. The highest concentration of aluminum detected was 103 µg/L, detected during the second quarter in SW-13. The average concentration of aluminum detected decreased from 86.7 µg/L in the first quarter to 75 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 168 µg/L.

Manganese was detected in all samples collected. The concentration of manganese detected exceeded the PAL of 300 µg/L in one of the samples collected during the first quarter and one collected during the second quarter. The highest concentration was 530 µg/L in SW-12 during the second quarter. The average concentration of manganese increased from 107 µg/L to 258 µg/L between the first and second quarters. During the pre-design investigation manganese was detected above the PAL in three samples, manganese was not detected in any other sample. The average concentration of manganese in the pre-design investigation was 184 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 194 µg/L to 482 µg/L between the two sampling rounds. During the pre-design investigation, iron was detected above the PAL in samples from two locations, with an average concentration of 454 µg/L.

Copper was detected in all samples. The concentration of copper exceeded the PAL of 1.8 µg/L in three of the samples collected during the second quarter, the highest concentration detected was 4.4 µg/L, detected in both SW-09 and SW-12. During the pre-design investigation, copper was detected in one sample, at a concentration above the PAL.

Zinc was detected in all samples. The concentration of zinc exceeded the PAL of 24 µg/L in a single sample, collected from SW-09 during the second quarter (35.3 µg/L). During the pre-design investigation, zinc was detected at concentrations below the PAL in one sample from SW-04 and two samples from SW-12.

Nickel was detected below the PAL of 100 µg/L in three samples during second quarter. The highest nickel concentration was 1.5 µg/L in SW-9. Nickel was not detected in any samples during the pre-design investigation.

Lead was detected in three samples during first quarter sampling and four samples during second quarter sampling. 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 1.8 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.

Arsenic was detected in a single sample, collected during the second quarter from SW-01; this sampling location is located upstream of the site.. The concentration of arsenic detected was below the PAL of 150 µg/L. In the pre-design investigation, arsenic was not detected.

Cadmium, 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 3		Pre-Design	
		Mean	(#)	Mean	(#)	Mean	(#)	Mean[2]	(#)
Aluminum	87	86.7	(3)	75.0	(2)	82.0	(5)	**168**	(5)
Arsenic	150	<MQL	(0)	0.80	(1)	0.80	(1)	<MQL	(0)
Copper	1.8	1.1	(4)	**3.1**	(4)	**2.1**	(8)	**10.0**	(1)
Iron	1,000	194	(4)	482	(4)	338	(8)	454	(7)
Lead	0.3	**0.57**	(3)	**1.03**	(4)	**0.83**	(7)	**24.3**	(3)
Manganese	300	107	(4)	258	(4)	182	(8)	184	(8)
Nickel	100	<MQL	(0)	1.23	(3)	1.23	(3)	<MQL	(0)
Zinc	24	7.83	(4)	19.4	(4)	13.6	(8)	13.3	(3)

Notes:
[1] Mean concentration calculated from positive results only.
[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
Bold Text indicates exceeds PAL
<MQL – Less than method quantitation limit

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, cadmium, chromium, copper, iron, manganese, nickel, and zinc.

Aluminum was detected in all samples. The concentration of this metal was above the PAL of 87 µg/L in two samples collected in the first quarter. The highest concentration of aluminum detected was 133 µg/L, detected during the first quarter in SW-17. The average concentration of aluminum detected decreased from 99.8 µg/L in the first quarter to 54.3 µg/L in the second quarter. In the pre-design investigation, aluminum was detected in six samples; the concentration of aluminum exceeded the PAL in three samples. The highest concentration (230 µg/L) occurring in one of the samples from SW-04; the average concentration was 140 µg/L.

Manganese was detected in all samples collected. The concentration of manganese detected exceeded the PAL of 300 µg/L in the sample collected from SW-04 during the second quarter (305 µg/L). The average concentration of manganese increased from 62.6 µg/L to 170 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.

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 197 µg/L to 263 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 311 µg/L.

Copper was detected in all samples. The concentration of copper exceeded the PAL of 1.8 µg/L in one of the samples collected during the first quarter and in three of the samples collected during the second quarter. The highest concentration detected was 3.5 µg/L , detected in SW-02 during the second quarter. During the pre-design investigation, copper was detected in a single sample, SW-06, at a concentration above PAL (10.0 µg/L).

Zinc was detected in three samples collected during first quarter sampling and in all four samples collected during second quarter sampling. all. The concentration of zinc exceeded the PAL of 24 µg/L in two samples collected during both first and second quarter sampling. The highest concentration of zinc detect was 465 µg/L, detected in SW-17 during first quarter sampling. During the pre-design investigation, zinc was detected at concentrations below the PAL in one sample from SW-04.

Nickel was detected below the PAL of 100 µg/L in two samples during first quarter sampling and in four samples during the second quarter. The highest nickel concentration was 1.2 µg/L in SW-06 during second quarter sampling. Nickel was not detected in any samples during the pre-design investigation.

Cadmium was detected at a concentration above the PAL in a single sample collected during the second quarter, at a concentration above the PAL of 0.07 µg/L. This metal was not detected during the pre-design investigation, hoever, the laboratory reporting limit was higher at that time.

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

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

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

ANALYTE	PAL (mg/L)	MEAN CONCENTRATION[1] (mg/L)							
		Q1		Q2		Year 1		Pre-Design	
		Mean	(#)	Mean	(#)	Mean	(#)	Mean[2]	(#)
Aluminum	87	**99.8**	(4)	54.3	(4)	77.0	(8)	**140**	(6)
Cadmium	0.07	<MQL	(0)	**6.80**	(1)	**6.80**	(1)	<MQL	(0)
Chromium	16	0.90	(1)	<MQL	(0)	0.90	(1)	<MQL	(0)
Copper	1.8	1.32	(4)	**2.60**	(4)	**1.96**	(8)	**10.0**	(1)
Iron	1,000	197	(4)	263	(4)	230	(8)	311	(7)
Manganese	300	62.6	(4)	170	(4)	116	(8)	100	(8)
Nickel	100	0.75	(2)	0.98	(4)	0.90	(6)	<MQL	(0)
Zinc	24	<MQL	(0)	<MQL	(0)	<MQL	(0)	10.0	(1)

Notes:
[1] Mean concentration calculated from positive results only.
[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
Bold Text indicates exceeds PAL
<MQL – Less than method quantitation limit

3.3.3 Other Analytes

Mitchell Brook

Total organic carbon (TOC) was detected in three surface water samples in the first quarter and four in the second. The highest concentration of 7.3 mg/L was detected in sample SW-01, the unnamed tributary to Mitchell Brook located upstream of the landfill, during 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 four 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 1.49 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.

Cyanide was detected above the laboratory reporting limit in a single sample, collected from SW-01 during second quarter sampling. The concentration of cyanide detected, 0.03 mg/L, exceeded the PAL of 0.0052 mg/L. In the pre-design investigation, cyanide was not detected.

Nitrate was detected in one sample during the first quarter and on three samples in the second quarter. The concentration of nitrate did not exceed the PAL (10 mg/L) in any sample; the

maximum concentration detected was 1.4 mg/L in SW-13 during the first quarter. The average concentration of nitrate was lower in the first quarter (0.13 mg/L) than in the second (0.86 mg/L). Nitrate was detected at concentrations below the PAL in two samples during the pre-design investigation.

Phosphorus was detected in two samples during the first quarter and in all four samples from the second quarter. 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 0.06 mg/L between sampling rounds. No data for phosphorus are available from the pre-design investigation.

Sulfide was not detected in any samples; no information for sulfide is available from the pre-design investigation. A summary of other analytes detected in Mitchell Brook sampling is presented in Table 3-7 below.

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

ANALYTE	PAL (mg/L)	MEAN CONCENTRATION[1] (mg/L)							
		Q1		Q2		Year 3		Pre-Design	
		Mean	(#)	Mean	(#)	Mean	(#)	Mean	(#)
Cyanide	0.0052	<MQL	(0)	**0.03**	(1)	**0.03**	(1)	<MQL	(0)
TOC	NE	4.13	(3)	6.28	(4)	5.36	(7)	5.71	(8)
Ammonia	NE	0.14	(4)	0.62	(3)	0.45	(7)	0.77	(4)
Nitrate	10	0.13	(1)	0.86	(3)	0.56	(5)	0.16	(2)
Phosphorus	NE	0.03	(2)	0.06	(4)	0.12	(6)	NA	
Hardness	NE	11	(4)	18	(4)	14	(8)	NA	

Notes:
[1] Mean concentration calculated from positive results only
[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
TOC – Total Organic Carbon
<MQL – Less than method quantitation limit
NE – not established
NA – not analyzed

Saugatucket River

TOC was detected in three all samples. The highest concentration of 6.8 mg/L detected in sample SW-04, during 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 at SW-04.

Ammonia was detected in three samples during the first quarter and in four samples during the second quarter sampling. No PAL has been established for ammonia. The highest concentration detected was 0.59 mg/L in SW-06 during the second quarter. During the pre-design investigation ammonia was detected in four samples.

Cyanide was detected above the laboratory reporting limit in a single sample collected from SW-02 during the second quarter. The concentration of cyanide was 0.019 mg/L, above the PAL of 0.0052 mg/L. In the pre-design investigation, cyanide was not detected.

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 0.94 mg/L in SW-02 during the second quarter. The average concentration of nitrate was lower in the first quarter (0.58 mg/L) than in the second (0.91 mg/L). Nitrate was detected at concentrations below the PAL in all but one sample collected during the pre-design investigation; the average concentration was 0.39 mg/L.

Phosphorus was detected in three samples during the first quarter and in all samples from the second quarter. The maximum concentration of phosphorus detected was 0.14 mg/L, detected during the second quarter in SW-17; a PAL has not been established for phosphorus. The average concentration of phosphorus increased from 0.04 mg/L to 0.06 mg/L between sampling rounds. No data for phosphorus are available from the pre-design investigation.

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 3		Pre-Design	
		Mean	(#)	Mean	(#)	Mean	(#)	Mean	(#)
Cyanide	0.0052	<MQL	(0)	0.02	(1)	0.02	(1)	<MQL	(0)
TOC	NE	5.40	(4)	6.38	(4)	5.89	(8)	5.83	(8)
Ammonia	NE	0.15	(3)	0.23	(4)	0.20	(7)	0.66	(4)
Nitrate	10	0.58	(4)	0.91	(4)	0.74	(8)	0.39	(7)
Phosphorus	NE	0.04	(3)	0.06	(4)	0.05	(7)	NA	
Hardness	NE	15.1	(4)	20.5	(4)	17.8	(8)	NA	

Notes:
[1] Mean concentration calculated from positive results only
[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
TOC – Total Organic Carbon <MQL – Less than method quantitation limit
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, chlorobenzene, chloroethane, chloroform, chloromethane, cis-1,2-dichloroethene, cyclohexane, dichlorodifluoromethane, ethylbenzene, Feon-114, Freon-114, methyl tert-butyl ether, p/m-xylene, o-xylene, n-hexane, propylene, styrene, tetrachloroethene, toluene, trans-1,2-dichloroethene, trichloroethene, trichlorofluoromethane, and vinyl chloride.

N-hexane was detected in 16 samples; the concentration detected exceeded the PAL of 50 parts per billion by volume (ppbv) in three samples. The highest concentration of n-hexane detected (628 ppbv) occurred in GF in the second quarter. The average concentration of n-hexane for all quarters was 88 ppbv.

The VOC 1,1-dichloroethane was detected above the laboratory limit in four samples. All four of these samples exceeded the PAL, which is set at 0.1 ppbv for this potential occupational carcinogen. Because the laboratory reporting limit was set above the PAL for other samples, it is possible the PAL was exceeded in one or more of the other seven samples. The maximum concentration of this analyte detected was 135 ppbv, detected in GF in the fourth quarter. The average concentration of this VOC for all quarters is 78.9, well above the PAL.

The potential occupational carcinogen vinyl chloride was detected in seven samples, and exceeded the PAL of 40 ppbv in three samples. The highest concentration detected was 8,640 ppbv, in GF during fourth quarter sampling. The average concentration of vinyl chloride detected was 3,214 ppbv.

The VOC dichlorodifluoromethane was detected in 19 samples; the concentration detected exceeded the PAL of 100 ppbv in three of these samples. The average concentration of this analyte was 35.5 ppbv, with a maximum concentration of 313 ppbv detected during the second quarter in GF.

Benzene was detected in 15 samples. The concentration detected exceeded the PAL, 9 ppbv, in two samples. The highest concentration detected was 126 ppbv in GF during second quarter sampling. The average concentration of benzene was 13.8 ppbv.

The VOC cis-1,2-dichloroethene was detected in three samples and exceeded the PAL of 200 ppbv in two samples. The maximum concentration of this analyte detected, 11,000 ppbv, occurred in GF during second quarter sampling. The average concentration detected was 6,056 ppbv.

The analyte 1,1-dichloroethene was detected in two samples. The concentration exceeded the PAL of 0.57 ppbv in one of these samples, collected from GP-11 during second quarter sampling (53.3 ppbv). The average concentration detected was 42.2 ppbv.

Chloroform was detected in six 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 0.73 ppbv in GF during second quarter sampling. The average concentration detected was 0.50 ppbv.

Trichloroethene was detected in nine samples. The concentration of trichloroethene in three of these samples exceeded the PAL of 90 ppbv. The highest concentration detected was 3,060 ppbv, detected during fourth quarter sampling in GF. The average concentration of trichloroethene detected was 599 ppbv.

Tetrachloroethene was detected in one sample at a concentration exceeding the PAL of 0.03 ppbv, GP-11 (0.33 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.

Toluene was detected in 18 samples. The concentration of toluene exceeded its PAL of 100 ppbv in a single sample; 190 ppbv in GF during the fourth quarter. The average concentration detected was 20.9 ppbv.

The VOC trans-1,2-dichloroethene was detected in two samples. A single sample collected from GF during fourth quarter sampling exceeded the PAL of 20 ppbv (34.0 ppbv). The average concentration of this VOC was 22.0 ppbv.

Ethylbenzene was detected in six samples. The concentration of ethylbenzene in one of the samples collected in the second quarter (GF, 473 ppbv) exceeded the PAL of 200. The average concentration of ethylbenzene detected was 79.1 ppbv.

The VOC 1,2,4-trimetylbenzene was detected in a single sample, GF in the second quarter. The concentration of this analyte was 75.9 ppbv, above the PAL of 60 ppbv.

The VOC propylene was detected in 19 samples, 2-butanone was detected in 18 samples, chloromethane in 16, carbon disulfide and trichlorofluoromethane in 15; o-xylene in 8; p/m-xylene in 6; chloroethane and cyclohexane in 5; 1,1,1-trichloroethane in 4, methyl tert-butyl ether in 3; and 1,3,5-trimethylbenzene, chlorobenzene, and styrene in 1. None of these VOCs were detected at concentrations exceeding their respective PALs.

Freon-113 was detected in 10 samples and Freon-114 in 8; 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-trimetylbenzene 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 3 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.

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

ANALYTE	PAL (µg/L)	MEAN CONCENTRATION[1] (µg/L)											
		Q1		Q2		Q3		Q4		Year 3		Pre-Design	
		Mean	(#)	Mean	(#)	Mean	(#)	Mean	(#)	Mean	(#)	Mean	(#)
1,1,1-Trichloroethane	700	<MQL	(0)	57.5	(3)	<MQL	(0)	241	(1)	103	(4)	9.80	(2)
1,1-Dichloroethane	0.1	<MQL	(0)	**90.1**	(2)	**0.25**	1	**135**	(1)	**78.9**	(4)	45.6	(3)
1,1-Dichloroethene	0.57	<MQL	(0)	**53.3**	(1)	<MQL	(0)	31.0	(1)	**42.2**	(2)	179	(1)
1,2,4-Trimethylbenzene	60	<MQL	(0)	75.9	(1)	<MQL	(0)	<MQL	(0)	75.9	(1)	<MQL	(0)
1,3,5-Trimethylbenzene	60	<MQL	(0)	45.3	(1)	<MQL	(0)	<MQL	(0)	45.3	(1)	<MQL	(0)
2-Butanone	1,000	47.7	(5)	65.3	(5)	6	4	7.53	(4)	39.2	(18)	NA	
Benzene	9	**0.46**	(5)	**33.3**	(4)	**0.41**	4	**35.2**	(2)	**13.8**	(15)	71.58	(3)
Carbon disulfide	200	7.48	(5)	5.63	(4)	1.12	4	0.37	(2)	4.34	(15)	<MQL	(0)
Chlorobenzene	200	<MQL	(0)	151	(1)	<MQL	(0)	<MQL	(0)	151	(1)	<MQL	(0)
Chloroethane	4,000	0.54	(1)	448	(3)	<MQL	(0)	836	(1)	436	(5)	94.5	(3)
Chloroform	0.04	**0.59**	(1)	**0.45**	(3)	0.73	1	**0.34**	(1)	**0.50**	(6)	<MQL	(0)
Chloromethane	200	1.71	(5)	2.25	(4)	1.15	4	0.36	(3)	1.45	(16)	13.6	(7)
Cis-1,2-Dichloroethene	200	<MQL	(0)	**5,534**	(2)	<MQL	(0)	7,100	(1)	**6,056**	(3)	258	(3)
Cyclohexane	2,000	<MQL	(0)	146	(3)	0.40	1	185	(1)	124.8	(5)	NA	
Dichlorodifluoromethane	100	**0.64**	(5)	**105**	(5)	**0.79**	4	**29.1**	(5)	**35.5**	(19)	148	(9)
Ethylbenzene	200	<MQL	(0)	1588	(3)	0.37	3	<MQL	(0)	79.1	(6)	<M QL	(0)
Freon-113	NE	0.275	(1)	48.1	(1)	0.48	4	6.45	(4)	7.61	(10)	<MQL	(0)
Freon-114	NE	0.405	(1)	55.0	(4)	0.57	1	47.5	(2)	39.5	(8)	<MQL	(0)
Methyl tert butyl Ether	800	<MQL	(0)	1.83	(2)	1.23	1	<MQL	(0)	1.63	(3)	<MQL	(0)
p/m-Xylene	700	<MQL	(0)	299	(2)	0.77	4	<MQL	(0)	100	(6)	14.7	(4)
o-Xylene	700	<MQL	(0)	32.1	(4)	0.28	4	<MQL	(0)	16.2	(8)	19.3	(4)
n-hexane	50	**0.66**	(5)	**200**	(5)	**0.82**	4	**202**	(2)	**88.1**	(16)	NA	(0)
Propylene	2,000	11.35	(5)	54.8	(5)	4.52	4	31.368	(5)	42.4	(19)	NA	(0)
Styrene	200	<MQL	(0)	0.25	(1)	<MQL	(0)	<MQL	(0)	0.25	(1)	<MQL	(0)
Tetrachloroethene	0.03	<MQL	(0)	0.33	(1)	<MQL	(0)	<MQL	(0)	0.33	(1)	<MQL	(0)
Toluene	100	0.75	(5)	41.2	(5)	35.0	4	**6.90**	(4)	20.9	(18)	75.6	(8)
Trans-1,2-Dichloroethene	20	<MQL	(0)	**10**	(1)	<MQL	(0)	33.9	(1)	21.95	(2)	238	(4)
Trichloroethene	90	0.30	(3)	**777**	(3)	**0.23**	2	3,060	(1)	**599**	(9)	<MQL	(0)
Trichlorofluoromethane	200	0.27	(5)	0.39	(2)	0.31	4	0.33	(4)	0.31	(15)	MQL	(0)
Vinyl chloride	40	**0.26**	(1)	**3,465**	(4)	<MQL	(0)	4,320	(2)	**3,214**	(7)	2,369	(8)

Notes:
[1] Mean concentration calculated from positive results only
Bold Text indicates exceeds PAL
(#) Number of positive analytical results
<MQL – Less than method quantitation limit
NA – Not Analyzed

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 ten sampling events (April 2008, July 2008, October 2008, April 2009, July 2009, October 2009, January 2010, July 2010, October 2010, and January 2011) for the two Gas Vent points sampled (GV-3, GV-9) and the Gas Flare (GF). 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.

4.0 DISCUSSION

The first round of 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 12 monitoring wells and two residential wells; the concentration of manganese exceeded the PAL in nine wells during each quarter. The average concentration of manganese increased from 1.20 mg/L to 1.24 mg/L, above the PAL of 0.3 mg/L.

- Aluminum, antimony, arsenic, chromium, lead, vanadium, and zinc were detected in one or more wells. None of these metals were detected at concentrations exceeding PALs. Of these metals, only chromium had been detected, in one sample, during the pre-design investigation.

- No 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 laboratory detection limit (10 µg/L) for tetrahydrofuran exceeded the PAL of 8.8 µg/L. All tetrahydrofuran results for groundwater were below the laboratory detection limit. Tetrahydrofuran was detected above its PAL in several samples during the pre-design investigation.

- 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, copper, iron, lead, manganese, nickel, and zinc. Concentrations of aluminum, 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, cadmium, 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, chromium, copper, iron, lead, manganese, nickel, and zinc.

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

- Cyanide was detected in a single sample collected from the Saugatucket River, at a concentration exceeding the PAL.

4.3 Landfill Gas

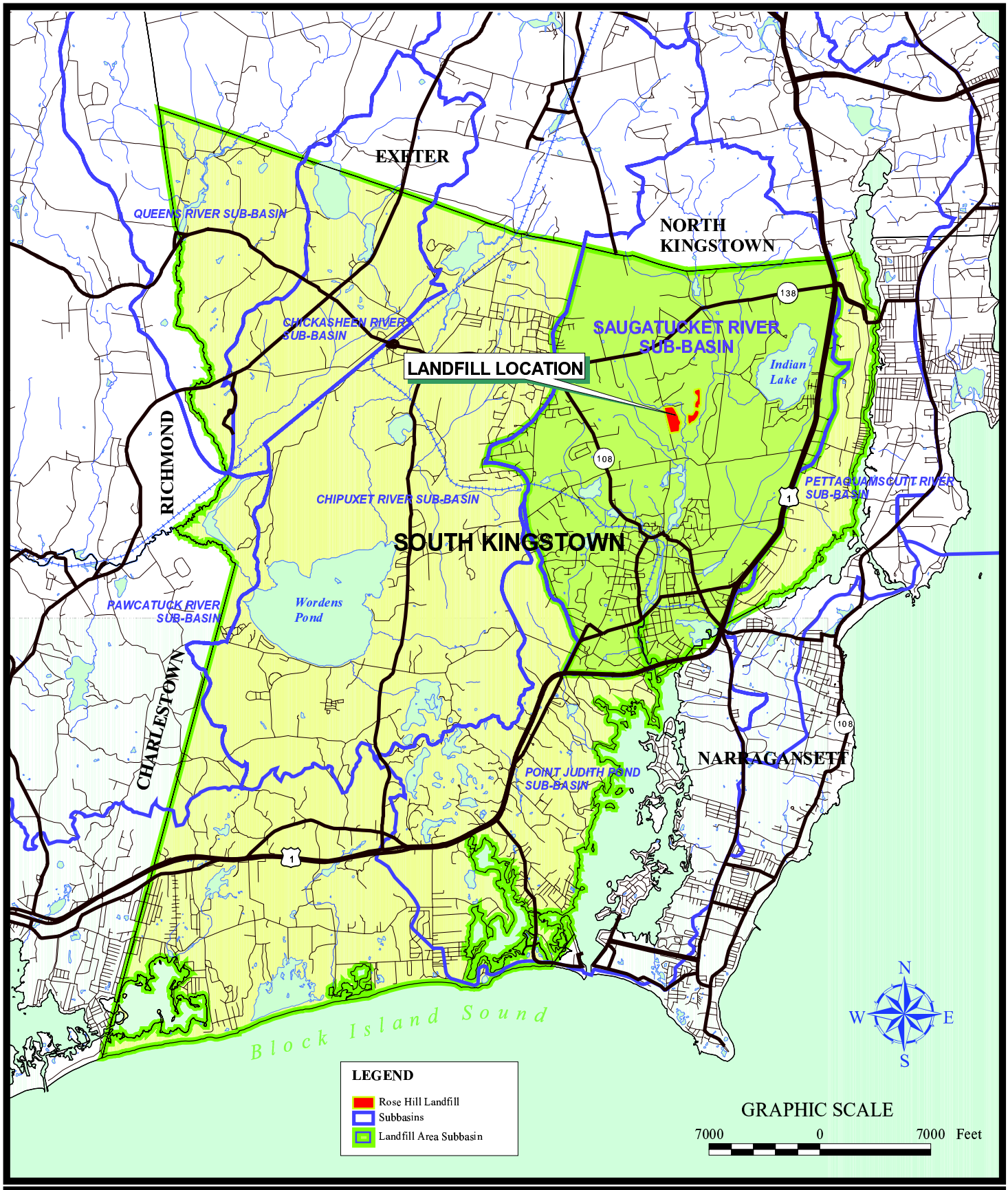
- The VOCs 1,1-Dichloroethane, 1,1-dichloroethene, 1,2,4-trimethylbenzene, benzene, chloroform, cis-1,2-dichloroethene, dichlorodifluoromethane, ethylbenzene, n-hexane, tetrachloroethene, toluene, trans-1,2-dichloroethene, and vinyl chloride were detected above their PALs in one or more samples.

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

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 passive landfill gas collection system.

APPENDIX A

FIGURES



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Remedial Action - Rose Hill Landfill

Figure 1: SITE LOCATION MAP

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

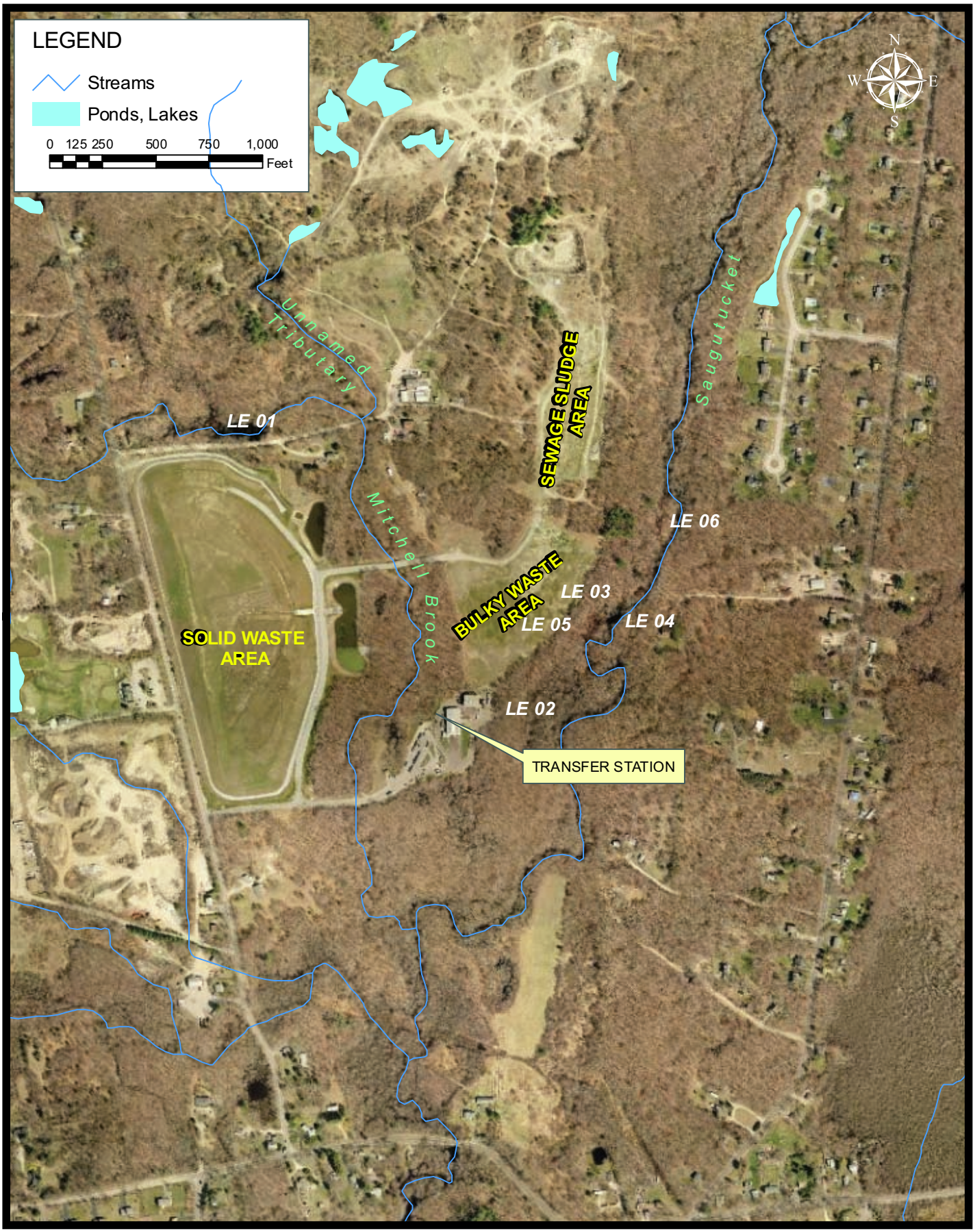

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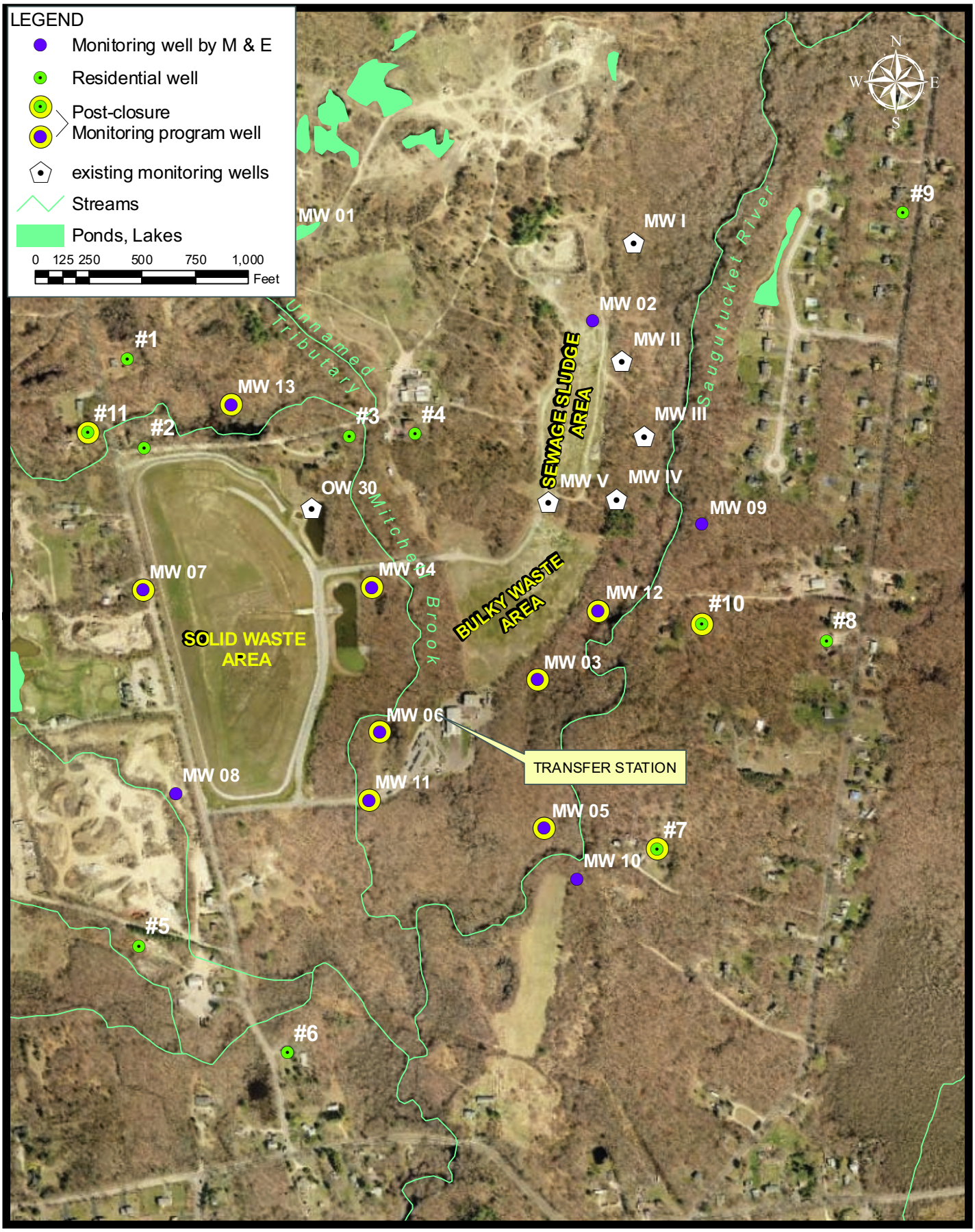
Figure 2: SITE AERIAL EXISTING FEATURES MAP

Source: URI, RIDEM, M&E | *Site Aerial* | May 2010



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Remedial Action - Rose Hill Landfill

Figure 3: POST CLOSURE MONITORING PROGRAM GROUNDWATER

Source: URI, RIDEM, M&E | *Groundwater_loc* | May 2010

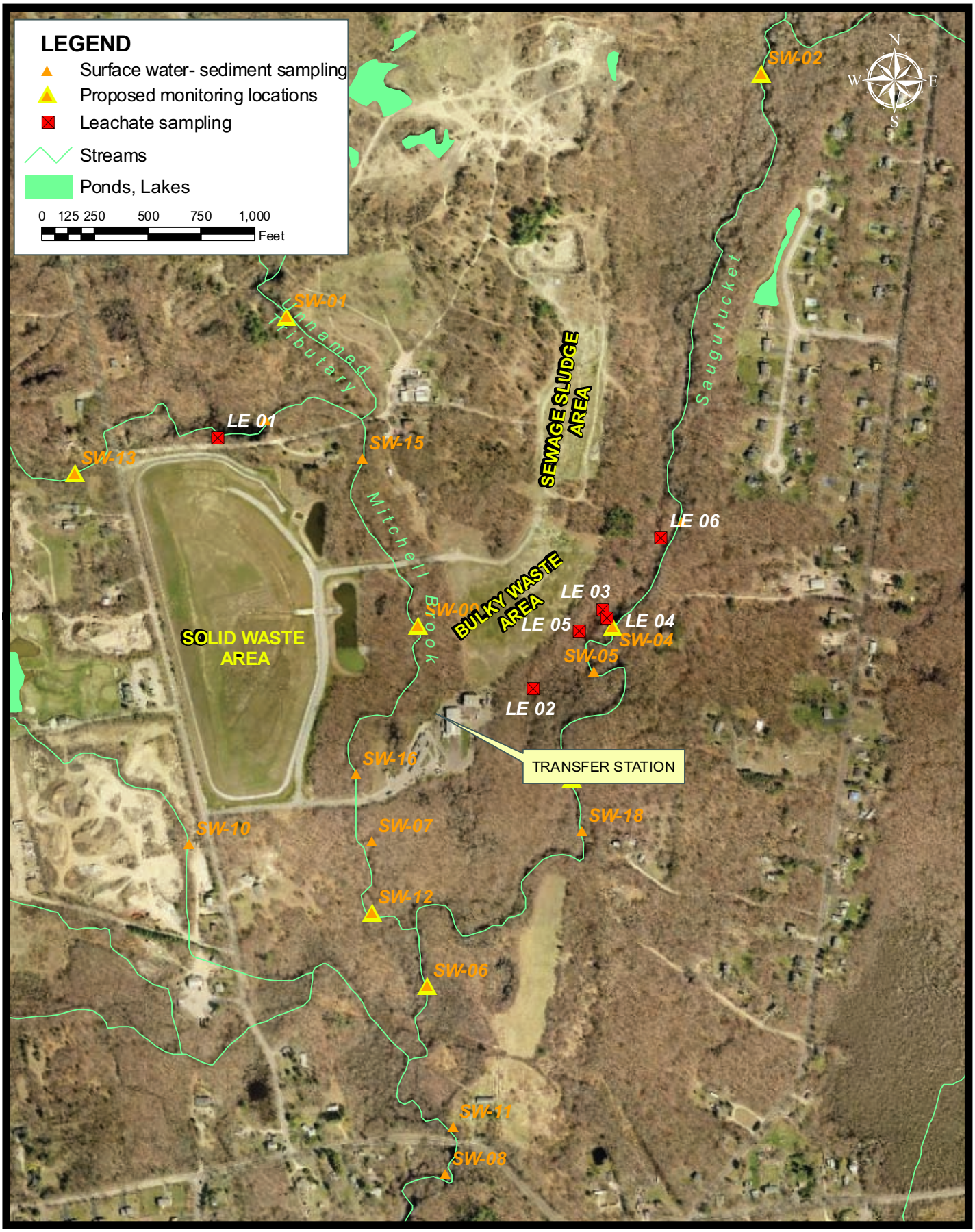

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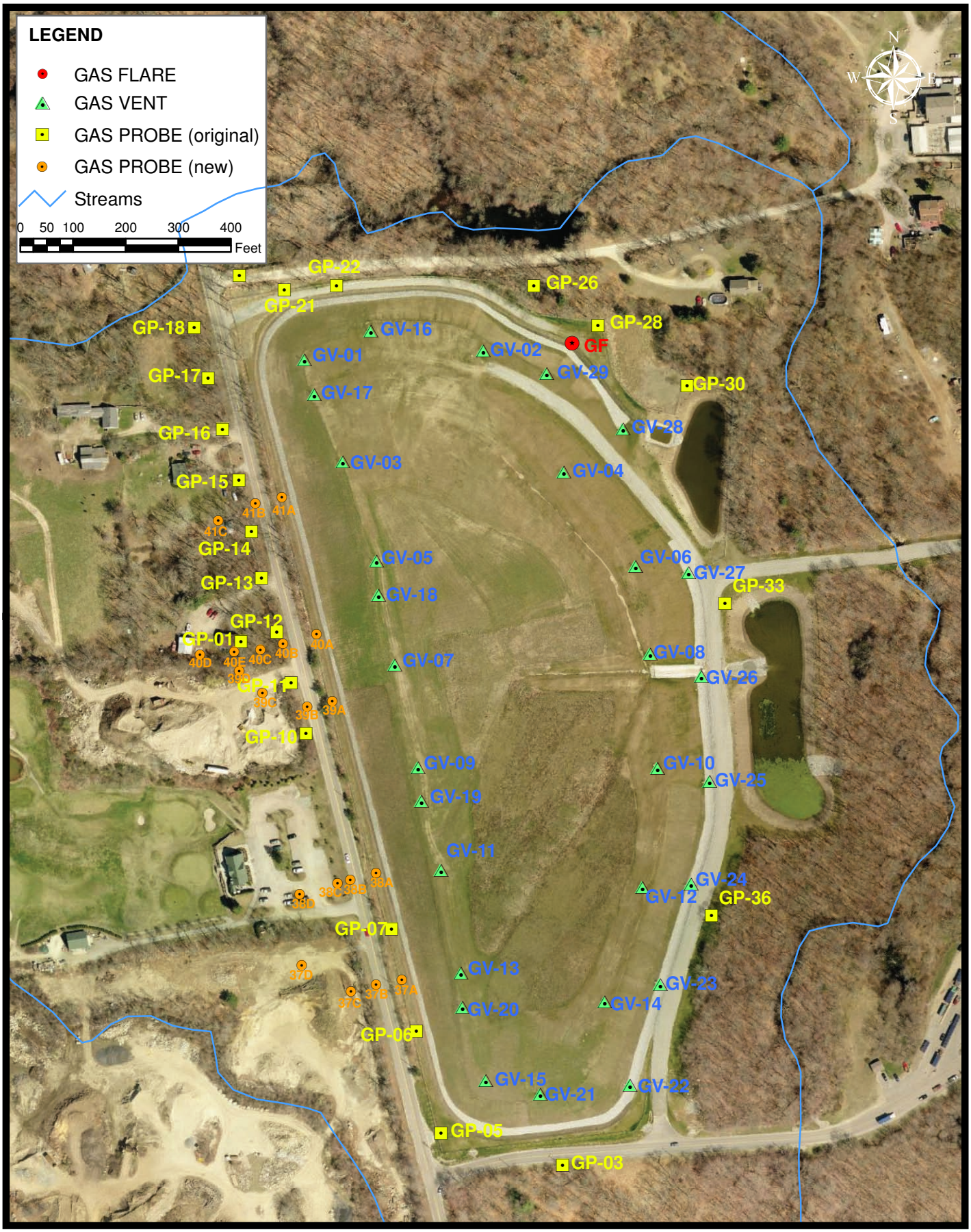
Figure 4: POST CLOSURE MONITORING PROGRAM SURFACE WATER

Source: URI, RIDEM, M&E | *Surface Water_loc* | May 2010



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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* | May 2010

APPENDIX B

SUMMARY DATA TABLES

Table 1
Monitoring Wells Sampled and Groundwater Gauging Data
Rose Hill Landfill
South Kingstown, Rhode Island
Year 3

Well ID	Well Diameter	Quarter	Depth to Water [1]	Comments
MW-03S	2 - inch	Q1	NR	
		Q2	4.64	
MW-03BR	6 - inch	Q1	>1	Artesian conditions, water flowing through hole 0.45' below top of casing.
		Q2	>1	Artesian conditions, water flowing through hole 0.45' below top of casing.
MW-04S	2 - inch	Q1	NR	
		Q2	6.36	
MW-04DO	2 - inch	Q1	NR	
		Q2	6.61	
MW-05S	2 - inch	Q1	5.49	
		Q2	11.07	
MW-06DO	2 - inch	Q1	4.35	
		Q2	6.11	
MW-07DO	2 - inch	Q1	NR	
		Q2	NR	
MW-07BR	4 - inch	Q1	NR	
		Q2	NR	
MW-11S	2 - inch	Q1	7.29	
		Q2	8.61	
MW-11DO	2 - inch	Q1	9.33	
		Q2	NR	
MW-11BR	6 - inch	Q1	4.40	
		Q2	6.03	
MW-12S	2 - inch	Q1	NR	
		Q2	6.85	
MW-12DO	2 - inch	Q1	NR	
		Q2	5.32	
MW-13S	2 - inch	Q1	6.22	
		Q2	10.44	

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
NR - not read

Table 2
Field Monitoring Results for Groundwater
Rose Hill Landfill
Rose Hill Road
South Kingstown, Rhode Island
Year 3

Well ID		Time	Flow Rate (RPM)	pH	Conductivity (ms/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	ORP (mV)	Comments
MW-03S	Q1	10:58	275	6.54	80	6.91	9.8	171.7	
		11:03	275	5.91	78	3.95	3.4	197.7	
		11:08	275	5.86	83	3.51	2.8	159.0	
		11:13	275	5.97	88	2.81	15.0	128.2	
		11:18	275	5.84	95	2.35	1.7	111.1	
	Q2	10:49	200	6.42	87	4.59	NR	NR	
		10:54	200	5.81	80	3.72	NR	NR	
		10:59	200	5.75	81	3.78	NR	NR	
		11:04	200	5.71	80	3.42	NR	NR	
		11:09	200	5.68	80	3.10	NR	NR	
MW-03BR	Q1	10:16	275	6.63	127	8.15	79.9	106.6	
		10:21	275	6.61	127	6.20	10.3	113.3	
		10:26	275	6.59	127	6.05	11.0	119.6	
		10:31	275	6.59	127	5.91	4.2	121.6	
		10:36	275	6.59	127	5.84	2.8	125.6	
	Q2	10:04	200	6.80	145	1.82	NR	NR	
		10:09	200	6.99	154	0.62	NR	NR	
		10:14	200	7.01	157	0.51	NR	NR	
		10:19	200	7.02	157	0.47	NR	NR	
		10:24	200	7.02	158	0.41	NR	NR	
MW-04S	Q1	8:33	275	7.60	143	1.12	308.9	-72.7	
		8:38	275	6.92	133	0.45	62.6	-57.1	
		8:43	275	6.75	127	0.38	22.1	-51.5	
		8:48	275	6.67	127	0.34	10.5	-50.8	
		8:53	275	6.61	126	0.30	7.6	-50.7	
	Q2	8:15	200	6.59	117	1.32	NR	NR	
		8:20	200	6.22	121	0.53	NR	NR	
		8:25	200	6.12	121	0.45	NR	NR	
		8:30	200	6.09	120	0.42	NR	NR	
		8:35	200	6.07	121	0.42	NR	NR	
MW-04DO	Q1	9:28	275	6.41	126	1.39	162.7	22.6	
		9:33	275	6.32	126	0.31	26.2	52.7	
		9:38	275	6.29	127	<0.2	18.7	61.9	
		9:43	275	6.27	128	0.28	13.1	67.2	
	Q2	9:03	200	6.34	121	2.20	NR	NR	
		9:08	200	6.70	148	0.40	NR	NR	
		9:13	200	6.79	146	0.34	NR	NR	
		9:18	200	6.79	144	0.32	NR	NR	
		9:23	200	6.77	146	0.30	NR	NR	
		9:28	200	6.71	167	0.36	NR	NR	
MW-05S	Q1	11:42	275	7.19	71	12.55	1.2	99.1	
		11:47	275	6.25	69	12.20	0.7	155.5	
		11:52	275	5.97	69	12.29	0.6	179.9	
		11:57	275	5.94	69	12.33	0.6	183.4	
	Q2	1:03	200	6.99	80	8.71	53.5	106.1	
		1:08	200	6.11	73	7.50	73.2	147.3	
		1:13	200	5.98	70	8.66	34.9	164.5	
		1:18	200	5.04	69	8.94	14.5	177.8	
		1:23	200	5.92	69	8.91	11.5	188.3	
		1:28	200	5.92	68	9.07	6.3	196.6	
MW-6DO	Q1	10:40	275	6.66	329	1.13	10.1	-10.5	
		10:45	275	6.54	329	0.53	6.3	-14.0	
		10:50	275	6.52	329	0.46	3.4	-16.2	
		10:55	275	6.51	329	0.43	2.9	-16.9	
	Q2	11:05	300	6.66	343	1.33	14.1	-12.7	
		11:10	300	6.42	332	0.49	6.1	-3.9	
		11:15	300	6.34	327	0.41	5.8	-7.1	
		11:20	300	6.31	326	0.39	6.0	-6.0	
MW-7DO	Q1	2:10	275	7.12	255	4.12	245.0	-55.4	
		1:16	275	7.18	179	5.60	542.3	-71.6	
		2:23	275	6.60	227	8.11	86.7	-3.4	
	Q2	12:00	NA	NR	NR	NR	NR	NR	Dry well
MW-7BR	Q1	2:08	275	8.78	255	5.51	1.9	-94.5	
		2:15	275	8.20	179	9.71	501.5	-192.3	
		2:24	275	7.96	227	7.53	7.2	-182.6	
	Q2	11:33	NA	8.86	39	11.06	-0.1	1977.0	
		11:38	NA	9.33	38	7.47	0.5	199.7	
		11:43	NA	9.42	38	8.08	0.9	216.8	
MW-11S	Q1	7:20	275	6.78	444	4.89	8.0	5.6	
		7:25	275	6.39	448	0.66	23.7	-9.2	
		7:30	275	6.36	449	0.55	23.0	-13.7	
		7:35	275	6.35	451	0.51	23.1	-17.6	
		7:40	275	6.34	451	0.45	15.8	-20.3	
	Q2	8:05	200	6.40	536	1.43	47.2	-75.3	
		8:10	200	6.18	510	0.85	13.9	-70.2	
		8:15	200	6.16	507	0.75	8.9	-69.0	
		8:20	200	6.16	502	0.71	5.9	67.7	
		8:25	200	6.16	501	0.71	5.4	-67.4	
MW-11DO	Q1	8:26	275	6.68	333	4.87	41.0	-9.3	
		8:31	275	6.66	325	48.0%	26.8	23.6	
		8:36	275	6.66	327	0.36	79.5	35.5	
		8:41	275	6.64	329	0.34	11.8	34.1	
	Q2	8:53	200	6.49	377	0.78	52.5	74.8	
		8:58	200	6.41	368	0.59	18.1	96.9	
		9:03	200	6.39	364	0.52	6.2	109.8	
		9:08	200	6.38	363	0.50	4.9	120.1	

Table 2
Field Monitoring Results for Groundwater
Rose Hill Landfill
Rose Hill Road
South Kingstown, Rhode Island
Year 3

Well ID		Time	Flow Rate (RPM)	pH	Conductivity (ms/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	ORP (mV)	Comments
MW-11BR	Q1	9:06	275	7.36	299	10.68	6.8	-7.7	
		9:11	275	7.76	290	9.13	1.9	-63.6	
		9:16	275	8.04	291	7.72	1.1	-76.7	
		9:21	275	8.17	292	8.42	1.0	-72.2	
		9:26	275	8.82	289	8.48	1.1	-66.9	
	Q2	9:22	200	6.89	369	5.56	4.8	126.4	
		9:27	200	7.66	350	6.85	40.2	113.7	
		8:32	200	8.17	346	7.05	6.6	128.2	
		9:37	200	8.25	345	7.04	23.0	140.2	
		9:42	200	8.27	340	7.06	5.3	147.0	
MW-12S	Q1	12:53	275	5.69	119	210.0%	98.7	133.7	
		12:58	275	5.60	118	780.0%	1.8	130.2	
		1:03	275	5.58	117	5.30	13.0	131.4	
		1:08	275	5.57	116	0.51	55.9	132.1	
		1:13	275	5.57	116	0.45	46.6	131.8	
	Q2	11:50	200	5.74	152	0.75	NR	NR	
		11:55	200	5.63	143	0.68	NR	NR	
		12:00	200	5.59	147	0.68	NR	NR	
		12:05	200	5.58	145	0.66	NR	NR	
MW-12DO	Q1	1:22	275	6.24	97	6.25	207.7	61.3	
		1:27	275	6.56	95	0.42	97.9	-4.7	
		1:32	275	6.67	95	0.33	53.8	-22.1	
		1:37	275	6.74	94	0.30	37.6	-34.0	
		1:42	275	6.77	94	0.28	31.0	-41.3	
	Q2	12:18	200	6.20	122	4.63	NR	NR	
		12:23	200	6.32	123	1.11	NR	NR	
		12:28	200	6.35	123	1.12	NR	NR	
		12:33	200	6.45	103	0.37	NR	NR	
		12:38	200	6.63	100	0.29	NR	NR	
		12:43	200	6.63	100	0.29	NR	NR	
MW-13S	Q1	12:35	275	5.36	39	8.70	6.7	250.7	
		12:40	275	4.95	38	7.34	5.6	574.5	
		12:45	275	4.78	38	9.16	1.7	280.4	
		12:50	275	4.73	40	9.01	0.9	282.1	
		12:55	275	4.70	41	8.08	0.4	20.9	
	Q2	2:14	200	5.76	63	4.41	NR	NR	
		2:19	200	5.44	60	1.07	NR	NR	
		2:24	200	5.35	60	0.77	NR	NR	
		2:24	200	5.26	61	0.75	NR	NR	
		2:29	200	5.26	60	0.75	NR	NR	
RES-7	Q1		275	7.65	155	21.07	-0.6	129.0	
			275	7.79	156	18.22	-0.7	125.8	
		2:10	275	7.88	156	17.80	-0.7	126.9	
	Q2	9:00	NA	8.36	174	2.31	-0.5	140.9	
		9:04	NA	8.45	168	2.22	-0.7	159.9	
		9:09	NA	8.40	165	2.88	-0.5	174.8	
RES-10	Q1		275	6.95	159	19.20	-0.6	139.5	
			275	7.23	160	16.58	0.0	119.7	
		1:30	275	7.44	160	16.32	-0.6	12.2	
	Q2	8:17	NA	7.65	186	7.05	NR	NR	
		8:21	NA	7.85	175	4.56	NR	NR	
		8:25	NA	7.89	175	7.99	NR	NR	
RES-11	Q1		275	5.84	42	20.12	38.7	189.4	
			275	5.99	43	7.54	14.6	171.3	
		1:00	275	5.96	44	9.38	18.3	152.2	
	Q2	9:26	NA	7.72	55	5.53	24.0	99.2	
		9:28	NA	7.47	55	7.30	9.6	48.3	
		9:30	NA	7.06	56	8.13	6.3	44.8	

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

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

Sampling Location	Quarter	Temperature (°C)	pH	O.R.P. (mV)	Conductivity (ms/cm)	Dissolved O_2 (mg/L)
SW-01	Q1	10.73	7.04	148	72	20.76
	Q2	23.67	6.60	150.6	97	9.50
	Mean	17.2	6.82	149.3	NR	15.13
SW-02	Q1	9.22	7.83	156	66	23.33
	Q2	19.54	7.22	15 0.6	97	9.50
	Mean	13.21	7.325	152.65	NR	19.23
SW-04	Q1	11.02	6.58	75.0	68	11.23
	Q2	19.96	6.59	NR	103	8.97
	Mean	15.49	6.585	75	NR	10.10
SW-06	Q1	10.02	7.07	129.6	70	22.71
	Q2	21.16	8.18	104.6	119	9.38
	Mean	15.59	7.625	117.1	NR	16.05
SW-09	Q1	10.6	6.94	100.8	50	11.09
	Q2	21.34	6.88	NR	63	7.72
	Mean	15.97	6.91	100.8	NR	9.41
SW-12	Q1	8.16	8.45	-59	52	11.53
	Q2	20.29	7.93	19	201	7.00
	Mean	14.225	8.19	-20	NR	9.27
SW-13	Q1	8.33	8.33	160.5	43	31.79
	Q2	22.17	8.63	150.2	79	8.63
	Mean	15.25	8.48	155.35	NR	20.21
SW-17	Q1	10.68	6.22	107.7	69	11.01
	Q2	20.22	6.38	NR	102	8.12
	Mean	15.45	6.3	107.7	NR	9.57

Notes:
Highlighted Text indicates summary statistic
° C - Celsius
mV - millivolts
NTU - Nephelometric Turbidity Units
ORP - oxidation-reduction potential
ms/cm - microsiemens per centimeter
mg/L - milligrams per liter
Q1 - first quarter, Q2 - second quarter
NR - not read

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

WELL ID	DATE	METHANE (%)	CARBON DIOXIDE (%)	OXYGEN (%)	LEL (%)
GP-01	Q1	0.0	0.8	20.0	0.0
	Q2	0.1	4.1	16.3	2.0
	Q3	0.1	0.0	21.0	2.0
	Q4	0.0	3.2	17.6	0.0
	MEAN	0.1	2.0	18.7	1.0
	RANGE	0 - 0.1	0 - 4.1	16.3 - 21	0 - 2
GP-03	Q1	5.4	6.7	6.4	>100
	Q2	0.2	8.6	10.4	4.0
	Q3	0.1	1.1	20.3	2.0
	Q4	0.0	3.6	19.7	0.0
	MEAN	1.4	5.0	14.2	28.5
	RANGE	0 - 5.4	1.1 - 8.6	6.4 - 20.3	0 - >100
GP-05	Q1	0.0	0.0	20.8	0.0
	Q2	0.1	0.0	20.8	2.0
	Q3	0.2	0.0	21.0	4.0
	Q4	0.0	6.8	20.0	0.0
	MEAN	0.1	1.7	20.7	1.5
	RANGE	0 - 0.2	0 - 6.8	20 - 21	0 - 4
GP-06	Q1	0.0	0.0	20.9	0.0
	Q2	37.2	29.5	0.6	>100
	Q3	0.2	0.0	21.0	4.0
	Q4	0.0	5.2	17.0	0.0
	MEAN	9.4	8.7	14.9	>100
	RANGE	0 - 37.2	0 - 29.5	0.6 - 21	0 - >100
GP-07	Q1	0.0	20.9	0.0	0.0
	Q2	45.6	32.9	0.3	>100
	Q3	0.2	0.0	20.9	4.0
	Q4	0.0	3.1	19.9	0.0
	MEAN	11.5	14.2	10.3	>100
	RANGE	0 - 45.6	0 - 32.9	0 - 20.9	0 - >100
GP-10	Q1	0.0	1.4	18.1	0.0
	Q2	NR	NR	NR	NC
	Q3	0.2	3.6	18.1	4.0
	Q4	0.0	5.3	16.4	0.0
	MEAN	0.1	3.4	17.5	1.3
	RANGE	0 - 0.2	1.4 - 5.3	16.4 - 18.1	0 - 4
GP-11	Q1	0.0	0.3	20.4	0.0
	Q2	19.3	19.5	0.8	>100
	Q3	0.0	2.9	18.5	0.0
	Q4	0.0	5.1	17.4	0.0
	MEAN	4.8	7.0	14.3	96.5
	RANGE	0 - 19.3	0.3 - 19.5	0.8 - 20.4	0 - >100

Notes:
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NA = not analyzed
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 3

WELL ID	DATE	METHANE (%)	CARBON DIOXIDE (%)	OXYGEN (%)	LEL (%)
GP-12	Q1	0.0	1.9	17.9	0.0
	Q2	0.2	0.8	20.2	4.0
	Q3	0.2	3.1	18.8	4.0
	Q4	0.0	4.6	18.2	0.0
	MEAN	0.1	2.6	18.8	2.0
	RANGE	0 - 0.2	0.8 - 4.6	17.9 - 20.2	0 - 4
GP-13	Q1	0.0	3.0	14.6	0.0
	Q2	18.2	18.0	3.8	>100
	Q3	0.2	1.3	20.2	4.0
	Q4	0.0	4.2	19.8	0.0
	MEAN	4.6	6.6	14.6	92.0
	RANGE	0 - 18.2	1.3 - 18	3.8 - 20.2	0 - >100
GP-14	Q1	0.0	3.7	12.7	0.0
	Q2	7.0	11.6	8.9	>100
	Q3	0.1	4.0	17.2	2.0
	Q4	0.0	4.3	18.4	0.0
	MEAN	1.8	5.9	14.3	35.5
	RANGE	0 - 7	3.7 - 11.6	8.9 - 18.4	0 - >100
GP-15	Q1	0.0	1.8	18.0	0.0
	Q2	0.1	4.6	16.9	2.0
	Q3	0.1	2.9	19.3	2.0
	Q4	0.0	3.6	20.3	0.0
	MEAN	0.1	3.2	18.6	1.0
	RANGE	0 - 0.1	1.8 - 4.6	16.9 - 20.3	0 - 2
GP-16	Q1	0.0	0.6	19.5	0.0
	Q2	0.1	3.2	18.6	2.0
	Q3	0.0	1.7	19.9	0.0
	Q4	0.0	3.7	14.4	0.0
	MEAN	0.0	2.3	18.1	0.5
	RANGE	0 - 0.1	0.6 - 3.7	14.4 - 19.9	0 - 2
GP-17	Q1	0.0	0.1	20.7	0.0
	Q2	29.4	8.5	0.9	>100
	Q3	0.1	0.1	21.2	2.0
	Q4	0.0	2.5	20.9	0.0
	MEAN	7.4	2.8	15.9	147.5
	RANGE	0 - 29.4	0.1 - 8.5	0.9 - 21.2	0 - >100
GP-18	Q1	0.0	0.4	19.9	0.0
	Q2	0.1	3.7	10.7	2.0
	Q3	0.0	0.1	21.0	0.0
	Q4	0.0	0.9	20.1	0.0
	MEAN	0.0	1.3	17.9	0.5
	RANGE	0 - 0.1	0.1 - 3.7	10.7 - 21	0 - 2

Notes:
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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 3

WELL ID	DATE	METHANE (%)	CARBON DIOXIDE (%)	OXYGEN (%)	LEL (%)
GP-19	Q1	0.0	0.4	20.4	0.0
	Q2	0.1	2.5	19.3	2.0
	Q3	0.0	0.1	21.0	0.0
	Q4	0.0	1.7	21.0	0.0
	MEAN	0.0	1.2	20.4	0.5
	RANGE	0 - 0.1	0.1 - 2.5	19.3 - 21	0 - 2
GP-21	Q1	0.0	16.1	0.0	0.0
	Q2	0.6	6.6	8.1	12.0
	Q3	0.0	0.1	21.0	0.0
	Q4	0.0	4.9	11.0	0.0
	MEAN	0.2	6.9	10.0	3.0
	RANGE	0 - 0.6	0.1 - 16.1	0 - 21	0 - 12
GP-22	Q1	0.0	1.5	15.4	0.0
	Q2	62.5	26.9	0.2	>100
	Q3	0.0	0.1	21.2	0.0
	Q4	NR	NR	NR	NC
	MEAN	20.8	9.5	12.3	>100
	RANGE	0 - 62.5	0.1 - 26.9	0.2 - 21.2	0 - >100
GP-26	Q1	0.0	2.0	17.7	0.0
	Q2	0.1	2.7	19.1	2.0
	Q3	0.2	0.1	21.4	4.0
	Q4	0.0	3.4	19.3	0.0
	MEAN	0.1	2.1	19.4	1.5
	RANGE	0 - 0.2	0.1 - 3.4	17.7 - 21.4	0 - 4
GP-28	Q1	0.0	0.2	20.2	0.0
	Q2	64.6	27.1	0.5	>100
	Q3	0.2	0.0	21.4	4.0
	Q4	0.0	0.3	22.2	0.0
	MEAN	16.2	6.9	16.1	>100
	RANGE	0 - 64.6	0 - 27.1	0.5 - 22.2	0 - >100
GP-30	Q1	NR	NR	NR	NC
	Q2	0.2	4.7	1.7	4.0
	Q3	0.2	0.0	21.4	4.0
	Q4	0.0	0.4	21.6	0.0
	MEAN	0.1	1.7	14.9	2.7
	RANGE	0 - 0.2	0 - 4.7	1.7 - 21.6	0 - 4
GP-33	Q1	0.0	0.0	20.8	0.0
	Q2	1.1	11.3	6.5	22.0
	Q3	0.1	0.1	20.9	2.0
	Q4	NR	NR	NR	NC
	MEAN	0.4	3.8	16.1	8.0
	RANGE	0 - 1.1	0 - 11.3	6.5 - 20.9	0 - 22
GP-36	Q1	0.0	0.1	20.6	0.0
	Q2	21.4	16.4	1.3	>100
	Q3	0.1	4.4	15.9	2.0
	Q4	NR	NR	NR	NC
	MEAN	7.2	7.0	12.6	>100
	RANGE	0 - 21.4	0.1 - 16.4	1.3 - 20.6	0 - >100

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ppm = parts per million

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

WELL ID	DATE	METHANE (%)	CARBON DIOXIDE (%)	OXYGEN (%)	LEL (%)
LEL = Lower Explosive Limit					

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

WELL ID	DATE	METHANE (%)	CARBON DIOXIDE (%)	OXYGEN (%)	LEL (%)
GP-37A	Q1	0.0	0.0	20.9	0.0
	Q2	36.2	30.2	0.5	>100
	Q3	0.2	0.1	20.9	4.0
	Q4	0.0	4.5	18.2	0.0
	MEAN	9.1	8.7	15.1	>100
	RANGE	0 - 36.2	0 - 30.2	0.5 - 20.9	0 - >100
GP-37B	Q1	0.0	0.0	20.9	0.0
	Q2	3.4	16.4	0.8	68.0
	Q3	0.1	1.5	20.4	2.0
	Q4	NR	NR	NR	NC
	MEAN	1.2	6.0	14.0	23.3
	RANGE	0 - 3.4	0 - 16.4	0.8 - 20.9	0 - 68
GP-37C	Q1	0.0	0.0	20.9	0.0
	Q2	0.1	2.0	19.0	2.0
	Q3	0.1	1.3	20.6	2.0
	Q4	0.0	4.3	18.6	0.0
	MEAN	0.1	1.9	19.8	1.0
	RANGE	0 - 0.1	0 - 4.3	18.6 - 20.9	0 - 2
GP-37D	Q1	0.0	0.0	21.0	0.0
	Q2	0.1	0.0	20.9	2.0
	Q3	0.1	1.6	20.3	2.0
	Q4	0.0	3.8	18.6	0.0
	MEAN	0.1	1.4	20.2	1.0
	RANGE	0 - 0.1	0 - 3.8	18.6 - 21	0 - 2
GP-38A	Q1	0.0	0.0	20.9	0.0
	Q2	48.7	32.6	0.3	>100
	Q3	0.1	0.0	21.0	2.0
	Q4	0.0	0.9	20.7	0.0
	MEAN	12.2	8.4	15.7	>100
	RANGE	0 - 48.7	0 - 32.6	0.3 - 21	0 - >100
GP-38B	Q1	0.0	0.0	20.9	0.0
	Q2	25.3	22.4	0.6	>100
	Q3	0.2	0.8	21.0	4.0
	Q4	NR	NR	NR	NC
	MEAN	8.5	7.7	14.2	>100
	RANGE	0 - 25.3	0 - 22.4	0.6 - 21	0 - >100
GP-38C	Q1	0.0	0.0	20.9	0.0
	Q2	13.7	2.0	1.0	>100
	Q3	0.2	2.9	19.7	4.0
	Q4	NR	NR	NR	NC
	MEAN	4.6	1.6	13.9	92.4
	RANGE	0 - 13.66	0 - 2.9	1 - 20.9	0 - >100
GP-38D	Q1	0.0	0.0	20.9	0.0
	Q2	0.1	0.0	21.0	2.0
	Q3	0.2	2.3	19.9	4.0
	Q4	NR	NR	NR	NC
	MEAN	0.1	0.8	20.6	2.0
	RANGE	0 - 0.2	0 - 2.3	19.9 - 21	0 - 4

Notes:
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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 3

WELL ID	DATE	METHANE (%)	CARBON DIOXIDE (%)	OXYGEN (%)	LEL (%)
GP-39A	Q1	0.0	0.0	20.9	0.0
	Q2	59.0	33.4	0.1	>100
	Q3	0.1	0.0	21.0	2.0
	Q4	0.0	3.7	20.1	0.0
	MEAN	14.8	9.3	15.5	>100
	RANGE	0 - 59	0 - 33.4	0.1 - 21	0 - >100
GP-39B	Q1	0.0	0.0	20.8	0.0
	Q2	24.3	19.2	1.2	>100
	Q3	0.2	0.1	22.0	4.0
	Q4	NR	NR	NR	NC
	MEAN	8.2	6.4	14.7	>100
	RANGE	0 - 24.3	0 - 19.2	1.2 - 22	0 - >100
GP-39C	Q1	0.0	2.3	18.6	0.0
	Q2	0.2	7.7	8.7	4.0
	Q3	0.2	0.5	22.0	4.0
	Q4	0.0	3.5	19.0	0.0
	MEAN	0.1	3.5	17.1	2.0
	RANGE	0 - 0.2	0.5 - 7.7	8.7 - 22	0 - 4
GP-39D	Q1	0.0	0.2	20.8	0.0
	Q2	0.1	1.4	20.3	2.0
	Q3	0.2	0.0	21.9	4.0
	Q4	0.0	3.7	19.1	0.0
	MEAN	0.1	1.3	20.5	1.5
	RANGE	0 - 0.2	0 - 3.7	19.1 - 21.9	0 - 4
GP-40A	Q1	0.0	0.0	20.9	0.0
	Q2	48.6	30.0	0.4	>100
	Q3	0.1	0.1	21.0	2.0
	Q4	0.0	3.1	17.8	0.0
	MEAN	12.2	8.3	15.0	>100
	RANGE	0 - 48.6	0 - 30	0.4 - 21	0 - >100
GP-40B	Q1	0.0	0.0	20.8	0.0
	Q2	0.1	0.2	20.7	2.0
	Q3	0.1	1.3	20.6	2.0
	Q4	NR	NR	NR	NC
	MEAN	0.1	0.5	20.7	1.3
	RANGE	0 - 0.1	0 - 1.3	20.6 - 20.8	0 - 2
GP-40C	Q1	0.0	0.0	20.8	0.0
	Q2	0.1	0.6	20.3	2.0
	Q3	0.2	0.8	20.8	4.0
	Q4	NR	NR	NR	NC
	MEAN	0.1	0.5	20.6	2.0
	RANGE	0 - 0.2	0 - 0.8	20.3 - 20.8	0 - 4
GP-40D	Q1	0.0	0.0	20.9	0.0
	Q2	NR	NR	NR	NC
	Q3	0.2	1.3	21.0	4.0
	Q4	0.0	3.1	19.2	0.0
	MEAN	0.1	1.5	20.4	1.3
	RANGE	0 - 0.2	0 - 3.1	19.2 - 21	0 - 4

Notes:
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Table 4
Field Monitoring Results for Landfill Gas
Rose Hill Landfill
Rose Hill Road
South Kingstown, Rhode Island
Year 3

WELL ID	DATE	METHANE (%)	CARBON DIOXIDE (%)	OXYGEN (%)	LEL (%)
GP-40E	Q1	0.0	0.0	21.0	0.0
	Q2	2.9	18.9	0.0	58.0
	Q3	0.2	2.0	20.9	4.0
	Q4	0.0	2.6	18.7	0.0
	MEAN	0.8	5.9	15.2	15.5
	RANGE	0 - 2.9	0 - 18.9	0 - 21	0 - 58
GP-41A	Q1	0.0	0.0	21.0	0.0
	Q2	43.9	28.6	0.3	>100
	Q3	0.1	0.2	21.0	2.0
	Q4	0.0	7.0	10.1	0.0
	MEAN	11.0	9.0	13.1	>100
	RANGE	0 - 43.9	0 - 28.6	0.3 - 21	0 - >100
GP-41B	Q1	0.0	0.0	20.8	0.0
	Q2	0.8	0.4	19.5	16.0
	Q3	0.2	0.0	21.0	4.0
	Q4	NR	NR	NR	NC
	MEAN	0.3	0.1	20.4	6.7
	RANGE	0 - 0.8	0 - 0.4	19.5 - 21	0 - 16
GP-41C	Q1	0.0	0.1	20.8	0.0
	Q2	0.2	3.6	17.6	4.0
	Q3	0.1	0.0	21.0	2.0
	Q4	NR	NR	NR	NC
	MEAN	0.1	1.2	19.8	2.0
	RANGE	0 - 0.2	0 - 3.6	17.6 - 21	0 - 4
GF	Q1	46.7	32.3	1.1	>100
	Q2	57.8	40.8	0.5	>100
	Q3	40.0	31.1	1.7	>100
	Q4	48.3	33.0	2.1	>100
	MEAN	48.2	34.3	1.4	>100
	RANGE	40 - 57.8	31.1 - 40.8	0.5 - 2.1	>100 - >100

Notes:
Highlighted text indicates summary statistic
NA = not analyzed
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 1

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		
SAMPLE DATE	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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Antimony	0.0060	<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
Arsenic	0.0100	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0007	0.001	0.00085	<0.0005	0.001	0.001	<0.0005	<0.0005	<0.0005	0.0007	0.0009	0.0008
Barium	2.0	0.008	0.0021	0.00505	0.0006	<0.0005	0.0006	0.0006	0.0005	0.00055	0.0183	0.0177	0.018	0.0358	0.0246	0.0302	0.001	0.0011	0.00105	0.055	0.05	0.0525
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	<0.0005	<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
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	**0.4429**	0.0079	0.2254	0.0069	0.2994	0.1532	0.0065	**0.3006**	0.1536	**2.452**	**2.85**	**2.651**	**1.256**	**1.428**	**1.342**	<0.001	0.0012	0.0012	**1.498**	**1.386**	**1.442**
Sodium	NE	9.9	10	9.85	14.0	14	14	14.0	14	14	7.2	6.5	6.85	12.0	10.0	11	11.0	10.0	10.5	18.0	18	18
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	<0.005	<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
Volatile Organic Compounds (µg/L)																						
1,1-Dichloroethane	800	<0.75	<0.5	<0.5	<0.75	<0.5	<0.5	<0.75	<0.5	<0.5	<0.75	<0.5	<0.75	<0.75	<0.5	<0.75	<0.75	NA	NC	1.7	1.3	1.5
1,2-Dichloroethane	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	NC	<0.5	<0.5	<0.5
Acetone	5.0	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NC	<5	<5	<5
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	NA	NC	1.2	1.0	1.09
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	NA	NC	0.9	0.73	0.815
Chloroethane	21,000	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.6	<1	1.6	<1	NA	NC	7.7	7.8	7.75
cis-1,2-Dichloroethene	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.58	<0.5	0.58	1.3	<0.5	1.3	<0.5	NA	NC	<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	NA	NC	2.8	<2.5	2.8
Isopropylbenzene	660	<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	NC	1.3	<0.5	1.3
Methyl tert butyl ether	12.00	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NA	NC	<1	<1	<1
n-Propylbenzene	NE	<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	NC	<0.5	<0.5	<0.5
Vinyl chloride	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.8	1.5	1.65	<1	NA	NC	<1	<1	<1
																			NC			
Semi-Volatile Organic Compounds (ug/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:
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
NA - not analyzed/not applicable
< - not detected above the method quantitation limit

Table 5
Positive Laboratory Analytical Results for Groundwater
Rose Hill Landfill
Rose Hill Road
South Kingstown, Rhode Island
Year 1

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		
SAMPLE DATE	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	<0.01	1.410	NA	NC	0.027	0.023	0.025	0.02	0.012	0.016	<0.01	<0.01	<0.01	0.016	0.02	0.018	0.038	0.022	0.03
Antimony	0.0060	<0.0005	<0.0005	<0.0005	<0.0005	NA	NC	0.0011	0.0014	0.00125	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Arsenic	0.0100	0.0007	0.0008	0.00075	0.001	NA	NC	0.0009	0.0008	0.00085	0.0018	0.0015	0.00165	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0007	0.0011	0.0009
Barium	2.0	0.0525	0.0461	0.0493	0.0291	NA	NC	0.0168	0.0178	0.0173	0.0966	0.0972	0.0969	0.0575	0.0525	0.055	0.043	0.0421	0.04255	0.0372	0.0404	0.0388
Beryllium	0.0040	<0.0005	<0.0005	<0.0005	<0.0005	NA	NC	<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	NA	NC	<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	<0.0005	<0.0005	<0.0005	0.0029	NA	NC	0.0007	<0.0005	0.0007	<0.0005	0.0006	0.0006	<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	0.0020	NA	NC	<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	**1.399**	**1.291**	**1.345**	**0.7572**	**NA**	**NC**	0.0036	0.0022	0.0029	**2.733**	**2.657**	**2.695**	**1.775**	**1.684**	**1.730**	<0.001	<0.001	<0.001	**2.285**	**2.981**	**2.633**
Sodium	NE	18.0	17	17.5	16.0	NA	NC	59.0	55	57	21.0	20	20.5	21.0	21.0	21	68.0	68.0	68	7.9	7.2	7.55
Thallium	0.0020	<0.0005	<0.0005	<0.0005	<0.0005	NA	NC	<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	0.0049	NA	NC	0.001	<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	<0.0005
Zinc	11	<0.005	<0.005	<0.005	0.0381	NA	NC	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.0166	0.0097	0.01315	<0.005	<0.005	<0.005	<0.005	0.0055	0.0055
Volatile Organic Compounds (µg/L)																						
1,1-Dichloroethane	800	1.6	1.5	1.55	<0.75	NA	NC	1.8	1.9	1.85	2	1.4	1.7	<0.75	1	1	<0.75	<0.75	<0.75	<0.75	<0.5	<0.75
1,2-Dichloroethane	5	<0.5	<0.5	<0.5	<0.5	NA	NC	<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
Acetone	5.0	<5	<5	<5	<5	NA	NC	<5	<5	<5	<5	<5	<5	<5	<5	<5	5.1	<5	5.1	<5	<5	<5
Benzene	5	1.1	1.0	1.045	0.69	NA	NC	<0.5	<0.5	<0.5	1.6	1.2	1.4	<0.5	0.74	0.74	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorobenzene	100	0.84	0.75	0.795	4	NA	NC	<0.5	<0.5	<0.5	1.7	1.4	1.55	<0.5	0.58	0.58	<0.5	<0.5	<0.5	<0.5	0.82	0.82
Chloroethane	21,000	7	7.2	7.1	<1	NA	NC	<1	<1	<1	10	11	10.5	1.2	5.4	3.3	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	70	<0.5	<0.5	<0.5	<0.5	NA	NC	<0.5	0.56	0.56	<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	2.6	<2.5	2.6	<2.5	NA	NC	<2.5	<2.5	<2.5	3.8	3.1	3.45	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Isopropylbenzene	660	1.3	<0.5	1.3	<0.5	NA	NC	<0.5	<0.5	<0.5	1.4	1.8	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Methyl tert butyl ether	12.00	<1	<1	<1	<1	NA	NC	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
n-Propylbenzene	NE	<0.5	<0.5	<0.5	<0.5	NA	NC	<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
Vinyl chloride	2	<1	<1	<1	<1	NA	NC	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Semi-Volatile Organic Compounds (ug/L)																						
Bis(2-ethylhexyl)phthalate	6	<5	<5	<5	<5	NA	NC	<5	<5	<5	<4.8	<5	<5	<5	<5	<5	8.1	<5	8.1	<5	<5	<5

Notes:
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
NA - not analyzed/not applicable
< - not detected above the method quantitation limit

Table 5
Positive Laboratory Analytical Results for Groundwater
Rose Hill Landfill
Rose Hill Road
South Kingstown, Rhode Island
Year 1

SAMPLE IDENTIFICATION		MW-12-DO			MW-13-S			RES #7			RES #10			RES #11			RES-11 (DUP)		
SCREEN LOCATION		Deep Overburden			Shallow Overburden			(Residential)			(Residential)			(Residential)			(Residential)		
WELL TYPE		Monitoring			Monitoring			Residential			Residential			Residential			Residential		
SAMPLE DATE	Project Action Limit*	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	0.013	0.013	0.659	0.286	0.4725	<0.01	0.014	0.014	<0.01	<0.01	<0.01	0.02	<0.01	0.02	0.025	<0.01	0.025
Antimony	0.0060	<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
Arsenic	0.0100	0.0007	0.002	0.00135	<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
Barium	2.0	0.0046	0.0051	0.00485	0.0043	0.0059	0.0051	0.0014	0.0015	0.00145	<0.0005	<0.0005	<0.0005	0.0048	0.0053	0.00505	0.0048	0.005	0.0049
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
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
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
Lead	0.0150	<0.0005	<0.0005	<0.0005	<0.0005	0.0005	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0008	0.0008	0.0032	0.0017	0.00245	0.0033	0.0025	0.0029
Manganese	0.3000	**3.354**	**3.683**	**3.519**	0.0649	0.2272	0.1461	<0.001	0.0019	0.0019	0.0016	<0.001	0.0016	0.1738	0.1826	0.1782	0.1756	0.1778	0.1767
Sodium	NE	8.9	8.6	8.75	7.2	8.3	7.75	33.0	29	31	32.0	27	29.5	5.8	5.8	5.8	5.7	5.8	5.75
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
Vanadium	0.2600	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0007	0.0007	0.0007	<0.0005	<0.0005	<0.0005	0.0005	<0.0005	0.0005	0.0006	<0.0005	0.0006
Zinc	11	0.0058	<0.005	0.0058	<0.005	<0.005	<0.005	0.0135	<0.005	0.0135	0.0098	0.0089	0.00935	0.0174	0.0079	0.01265	0.0154	0.0091	0.01225
Volatile Organic Compounds (µg/L)																			
1,1-Dichloroethane	800	<0.75	<0.5	<0.75	<0.75	<0.5	<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
1,2-Dichloroethane	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
Acetone	5.0	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
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
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
Chloroethane	21,000	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<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
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
Isopropylbenzene	660	<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
Methyl tert butyl ether	12.00	<1	<1	<1	<1	<1	<1	2.2	1.8	2	<1	<1	<1	<1	<1	<1	<1	<1	<1
n-Propylbenzene	NE	<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
Vinyl chloride	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Semi-Volatile Organic Compounds (ug/L)																			
Bis(2-ethylhexyl)phthalate	6	<5	<5	<5	<5	<5	<5	<4.8	<5	<5	<4.9	<5	<5	<4.9	<5	<5	<4.9	<5	<5

Notes:
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
NA - not analyzed/not applicable
< - not detected above the method quantitation limit

Table 6
Positive Laboratory Analytical Results for Surface Water
Rose Hill Landfill
Rose Hill Road
South Kingstown, Rhode Island
Year 3

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 (mg/L)																												
Aluminum	87	**155**	**174**	**164.5**	**148**	57	**102.5**	**133**	**110**	**121.5**	**136**	**107**	**121.5**	**161**	42	**101.5**	**514**	**397**	**455.5**	**148**	**128**	**138**	**206**	**110**	**158**	**133**	**76**	**104.5**
Arsenic	150	<0.5	<0.5	<0.5	2	1	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	<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	<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	1.2	1.2	<0.5	8.6	8.6
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	0.7	0.0007	0.35035	<0.5	<0.5	<0.5	0.5	<0.5	0.5	<0.5	<0.5	<0.5
Copper	1.8	2.4	3.2	2.8	5.1	1.0	3.1	0.5	2.8	1.7	0.5	3.7	2.1	0.7	4.2	2.5	1.1	4.0	2.6	1.1	2.3	1.7	2.3	1.5	1.9	0.6	2.6	1.6
Iron	1000	183	442	312.5	**7370**	**3170**	**5270**	298	785	541.5	301	764	533	**2170**	**3110**	**2640**	820	662	741	275	651	463	483	**1020**	751.5	701	**1090**	896
Lead	0.3	**0.7**	**1.3**	**1.0**	**38.9**	**15.5**	**27.2**	**1.3**	**1.4**	**1.35**	**1.3**	**1.4**	**1.35**	**1.8**	**0.7**	**1.25**	**4**	**2.8**	**3.4**	**0.6**	**1.2**	**0.9**	**1**	**0.7**	**0.85**	**0.9**	**<0.5**	**0.9**
Manganese	300	8.6	17.6	13.1	513.3	329.8	421.6	37.7	49.4	43.6	38.6	54.2000	46.4	114.1	788.9000	451.5	83.4	116.7000	100.05	73.9	468.1000	271	90.5	217.3000	153.9	125.9	232.3000	179.1
Nickel	100	0.6	1.2	0.9	1.1	0.5	0.8	<0.5	1	1	<0.5	1.1	1.1	<0.5	1.4	1.4	0.6	1	0.8	0.6	0.9	0.75	1.4	1	1.2	<0.5	1.3	1.3
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	34.4	162.8	98.6	13.1	<5.0	13.1	<5	11.1	11.1	11.1	19.6	15.35	<5	11.5	11.5	9.8	21.8	15.8	465.6	76	270.8	38.4	9.4	23.9	<5	47	47
		0						0			0			0						0			0			0		
Dissolved Metals (mg/L)		0						0			0			0						0			0			0		
Aluminum	87	**98**	**103**	**100.5**	<10	<10	<10	**88**	44	66	**89**	47	68	**73**	<0.5	73	**85**	54	69.5	**112**	69	90.5	**133**	56	94.5	69	38	53.5
Arsenic	150	<0.5	<0.5	<0.5	<0.5	0.8	0.8	<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	<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	6.8	6.8
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	0.9	<0.5	0.9
Copper	1.8	1.0	2.4	1.7	0.9	1.2	1.1	0.7	4.1	2.4	0.8	4.4	2.6	1.7	4.4	3.1	0.7	3.5	2.1	1.1	2.2	1.7	2.7	1.6	2.2	0.8	3.1	2.0
Iron	1000	144	222	183	151	579	365	138	241	189.5	143	260	201.5	336	867	601.5	110	166	138	164	200	182	227	261	244	286	423	354.5
Lead	0.3	<0.5	**0.5**	0.5	**0.6**	**1.8**	**1.2**	**0.5**	**0.6**	**0.55**	**0.6**	**0.7**	**0.65**	**0.5**	**1.1**	**0.8**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Manganese	300	7.2	9.1	8.2	317.7	265.8	291.8	22.6	28.9	25.8	24.6	29.2	26.9	79.0	726.4	402.7	19.3	26.9	23.1	61.9	304.8	183.4	71.9	152.2	112.1	97.3	196.8	147.1
Nickel	100	<0.5	0.8	0.8	<0.5	<0.5	<0.5	<0.5	1.5	1.5	<0.5	1.2	1.2	<0.5	1.4	1.4	<0.5	0.7	0.7	<0.5	1.1	1.1	1	0.9	0.95	0.5	1.2	0.85
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	<MQL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Zinc	24	7.8	16	11.9	5.6	11	8.3	5.5	35.3	20.4	9.7	32.1	20.9	8.2	15.4	11.8	5.1	12.8	8.95	143.1	52.9	98	465.3	10.6	237.95	<5	41.3	41.3
Total Organic Carbon, Ammonia, Nitrate (mg/L)																												
Cyanide	0.0052	<0.005	<0.005	<0.005	<0.005	0.03	0.03	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.019	0.019	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Nitrogen, Ammonia	NE	0.116	0.079	0.0975	0.82	0.282	0.551	0.076	<0.075	0.076	<0.075	<0.075	<0.075	0.292	1.49	0.891	0.141	0.089	0.115	<0.075	0.15	0.15	0.082	0.1	0.091	0.214	0.59	0.402
Nitrogen, Nitrate	10	<0.1	1.40	1.4	0.10	<0.1	0.10	<0.1	0.35	0.35	<0.1	0.20	0.2	0.13	0.82	0.475	0.66	0.94	0.8	0.55	0.83	0.69	0.53	1.00	0.765	0.57	0.85	0.71
Phosphorus	NE	<0.01	0.034	0.034	0.46	<0.2	0.46	<0.01	0.035	0.035	<0.01	0.099	0.099	0.014	0.022	0.018	0.081	0.056	0.0685	<0.01	0.035	0.035	0.033	0.141	0.087	0.014	0.023	0.0185
Sulfide	0.11	<0.1	<0.1	<0.1	<0.10	<0.10	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.10	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Organic Carbon	NE	3.6	6.9	5.25	4.6	7.3	5.95	4.0	6.3	5.15	4.2	6.3	5.25	<0.5	4.6	4.6	4.5	6.6	5.55	6.4	6.8	6.6	6.4	6.5	6.45	4.3	5.6	4.95
Hardness	NE	9	11	9.85	15	13	14	9	10	9.5	9	10	9.5	11	38	24.5	15	19	17	14	20	17	15	21	18	16	22	19

Notes;
Q1 - first quarter, Q-2 second quarter
bold, highlighted text indicates equals or exceeds the Project Action Limit (PAL)
Highlighted text indicates summary statistic
mg/L - milligrams per liter
NA - not analyzed
NC - not calculated
MQL - method quantitation limit
< - not detected above the listed MQL

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 1

SAMPLE IDENTIFICATION	*Project Action Limit (ppbv)	GP-11						GP-11 (DUP)						GP-16						GP-18						GP-21						GF					
		ppbv						ppbv						ppbv						ppbv						ppbv						ppbv					
SAMPLE DATE		Q1	Q2	Q3	Q4	RANGE	MEAN	Q1	Q2	Q3	Q4	RANGE	MEAN	Q1	Q2	Q3	Q4	RANGE	MEAN	Q1	Q2	Q3	Q4	RANGE	MEAN	Q1	Q2	Q3	Q4	RANGE	MEAN	Q1	Q2	Q3	Q4	RANGE	MEAN
ANALYTE																																					
Volatile Organic Compounds in Air																																					
1,1,1-Trichloroethane	700	<0.2	<2	<0.2	<0.2	<2 - <2	<MQL	<0.2	0.654	<0.2	<0.2	<0.2 - 0.654	0.2	<0.2	<0.2	NR	<0.2	<0.2 - <0.2	<MQL	<0.2	2.82	<0.2	<0.2	<0.2 - 2.82	0.7	<0.2	<0.2	<0.2	<0.2	<0.2 - <0.2	<MQL	<0.2	169	<0.2	241	<0.2 - 241	102.5
1,1-Dichloroethane	0.1	<0.2	**82.7**	**0.242**	<0.2	<0.2 - 82.7	**20.7**	<0.2	**66.4**	**0.246**	<0.2	<0.2 - 66.4	**16.7**	<0.2	<0.2	NR	<0.2	<0.2 - <0.2	<MQL	<0.2	<0.2	<0.2	<0.2	<0.2 - <0.2	<MQL	<0.2	<0.2	<0.2	<0.2	<0.2 - <0.2	<MQL	<0.2	**97.5**	<0.2	**135**	<0.2 - 135	**58.1**
1,1-Dichloroethene	50.0	<0.2	**53.3**	<0.2	<0.2	<0.2 - 53.3	13.3	<0.2	37.5	<0.2	<0.2	<0.2 - 37.5	9.4	<0.2	<0.2	NR	<0.2	<0.2 - <0.2	<MQL	<0.2	<0.2	<0.2	<0.2	<0.2 - <0.2	<MQL	<0.2	<0.2	<0.2	<0.2	<0.2 - <0.2	<MQL	<0.2	<39.5	<0.2	31	<0.2 - <39.5	7.8
1,2,4-Trimethylbenzene	60	<0.2	<2	<0.2	<0.2	<0.2 - <2	<MQL	<0.2	<0.2	<0.2	<0.2	<0.2 - <0.2	<MQL	<0.2	<0.2	NR	<0.2	<0.2 - <0.2	<MQL	<0.2	<0.2	<0.2	<0.2	<0.2 - <0.2	<MQL	<0.2	<0.2	<0.2	<0.2	<0.2 - <0.2	<MQL	<0.2	**75.9**	<0.2	<22.7	<0.2 - 75.9	19.0
1,3,5-Trimethylbenzene	60	<0.2	<2	<0.2	<0.2	<0.2 - <2	<MQL	<0.2	<0.2	<0.2	<0.2	<0.2 - <0.2	<MQL	<0.2	<0.2	NR	<0.2	<0.2 - <0.2	<MQL	<0.2	<0.2	<0.2	<0.2	<0.2 - <0.2	<MQL	<0.2	<0.2	<0.2	<0.2	<0.2 - <0.2	<MQL	<0.2	45.3	<0.2	<22.7	<0.2 - 45.3	11.3
2-Butanone	1,000	30.6	15.5	8.2	2.36	2.36 - 30.6	14.2	26.8	43.7	10	3.66	3.66 - 43.7	21.0	47.6	25.3	NR	10.4	10.4 - 47.6	20.8	25.5	28.3	17.1	7.66	7.66 - 28.3	19.6	69.6	156	36.5	8.4	8.4 - 156	67.6	65.2	73.1	46.6	<22.7	46.6 - 73.1	46.2
Benzene	9	0.474	5.72	0.525	0.294	0.294 - 5.72	1.8	0.757	4.02	0.329	0.231	0.231 - 4.02	1.3	0.456	0.26	NR	<0.2	0.26 - 0.456	0.2	0.236	<0.2	0.297	<0.2	0.236 - 0.297	0.1	0.405	1.1	0.449	<0.2	<0.2 - 1.1	0.5	0.437	**126**	0.351	**70.1**	0.351 - 126	**49.2**
Carbon disulfide	200	1.8	<2	1.25	0.325	0.325 - 1.8	0.8	1.54	0.771	1.31	0.457	0.457 - 1.54	1.0	6.41	11.4	NR	<0.2	6.41 - 11.4	4.5	2.16	1.12	0.454	<0.2	0.454 - 2.16	0.9	26.7	9.24	1.86	0.278	0.278 - 26.7	9.5	0.32	<39.5	0.837	<22.7	0.32 - <39.5	0.3
Chlorobenzene		<0.2	<2	<0.2	<0.2	<0.2 - <2	<MQL	<0.2	<0.2	<0.2	<0.2	<0.2 - <0.2	<MQL	<0.2	<0.2	NR	<0.2	<0.2 - <0.2	<MQL	<0.2	<0.2	<0.2	<0.2	<0.2 - <0.2	<MQL	<0.2	<0.2	<0.2	<0.2	<0.2 - <0.2	<MQL	<0.2	**151**	<0.2	<22.7	<0.2 - 151	**37.8**
Chloroethane	4000	0.466	283	<0.2	<0.2	<0.2 - 283	70.9	0.54	216	<0.2	<0.2	<0.2 - 216	54.1	<0.2	<0.2	NR	<0.2	<0.2 - <0.2	<MQL	<0.2	<0.2	<0.2	<0.2	<0.2 - <0.2	<MQL	<0.2	0.397	<0.2	<0.2	<0.2 - 0.397	0.1	<0.2	1060	<0.2	836	<0.2 - 1060	474.0
Chloroform	0.04	<0.2	<2	<0.2	<0.2	<0.2 - <2	<MQL	<0.2	**0.626**	<0.2	<0.2	<0.2 - 0.626	**0.2**	<0.2	**0.497**	NR	**0.339**	0.339 - 0.497	**0.2**	<0.2	<0.2	<0.2	<0.2	<0.2 - <0.2	<MQL	**0.59**	**0.221**	<0.2	<0.2	<0.2 - 0.59	**0.2**	<0.2	<39.5	**0.727**	<22.7	<0.2 - <39.5	**0.2**
Chloromethane	200	1.65	2.12	1.23	0.456	0.456 - 2.12	1.4	1.74	1.72	1.32	0.639	0.639 - 1.74	1.4	1.94	2.1	NR	0.215	0.215 - 2.1	1.1	1.29	0.544	1	<0.2	0.544 - 1.29	0.7	2.45	4.22	1.21	0.216	0.216 - 4.22	2.0	1.14	<39.5	1.06	<22.7	1.06 - <39.5	0.6
cis-1,2-Dichloroethene	200	<0.2	67.3	<0.2	<0.2	<0.2 - 67.3	16.8	<0.2	47.6	<0.2	<0.2	<0.2 - 47.6	11.9	<0.2	<0.2	NR	<0.2	<0.2 - <0.2	<MQL	<0.2	<0.2	<0.2	<0.2	<0.2 - <0.2	<MQL	<0.2	<0.2	<0.2	<0.2	<0.2 - <0.2	<MQL	<0.2	**11000**	<0.2	**7100**	<0.2 - 11000	**4525.0**
Cyclohexane	2,000	<0.2	146	<0.2	<0.2	<0.2 - 146	36.5	<0.2	99.2	<0.2	<0.2	<0.2 - 99.2	24.8	<0.2	<0.2	NR	<0.2	<0.2 - <0.2	<MQL	<0.2	<0.2	<0.2	<0.2	<0.2 - <0.2	<MQL	<0.2	0.703	0.397	<0.2	<0.2 - 0.703	0.3	<0.2	292	<0.2	185	<0.2 - 292	119
Dichlorodifluoromethane	100	0.758	**206**	1.49	1.47	0.758 - 206	52.4	0.864	**106**	1.46	1.98	0.864 - 106	27.6	0.753	0.852	NR	1.53	0.753 - 1.53	0.8	0.496	2.16	0.521	0.54	0.496 - 2.16	0.9	0.548	1.25	0.532	0.612	0.532 - 1.25	0.7	0.531	**313**	0.622	**141**	0.531 - 313	**113.8**
Ethylbenzene	200	<0.2	<2	0.425	<0.2	<0.2 - 0.425	0.1	<0.2	0.219	0.475	<0.2	<0.2 - 0.475	0.2	<0.2	<0.2	NR	<0.2	<0.2 - <0.2	<MQL	<0.2	<0.2	0.354	<0.2	<0.2 - 0.354	0.1	<0.2	0.211	<0.2	<0.2	<0.2 - 0.211	0.1	<0.2	**473**	0.274	<22.7	<0.2 - 473	118.3
Freon-113	NE	<0.2	48.1	0.381	0.602	<0.2 - 48.1	12.3	0.275	35.3	0.452	0.243	0.243 - 35.3	9.1	<0.2	<0.2	NR	0.206	0.206 - 0.206	0.1	<0.2	<0.2	0.283	<0.2	<0.2 - 0.283	0.1	<0.2	<0.2	0.319	0.211	<0.2 - 0.319	0.1	<0.2	<39.5	0.866	24.8	<0.2 - <39.5	6.4
Freon-114	NE	<0.2	163	0.574	<0.2	<0.2 - 163	40.9	<0.2	20.3	0.5	<0.2	<0.2 - 20.3	5.2	0.405	0.258	NR	0.987	0.258 - 0.987	0.4	<0.2	2	<0.2	<0.2	<0.2 - 2	0.5	<0.2	<0.2	<0.2	<0.2	<0.2 - <0.2	<MQL	<0.2	54.8	<0.2	94	<0.2 - 94	37.2
Methyl tert butyl ether		<0.2	<10	<1	<1	<0.2 - <10	<MQL	<0.2	**2.14**	<1	<1	<0.2 - 2.14	**0.5**	<0.2	<1	NR	<1	<0.2 - <1	<MQL	<0.2	<1	<0.2	<1	<0.2 - <1	<MQL	<0.2	**1.52**	<1	<1	<0.2 - 1.52	**0.4**	<0.2	<39.5	**1.23**	<113	<0.2 - <39.5	**0.3**
p/m-Xylene	700	<0.4	<2	0.335	<0.2	<0.2 - 0.335	0.1	<0.4	0.23	0.423	<0.2	<0.2 - 0.423	0.2	<0.4	<0.2	NR	<0.2	<0.2 - <0.4	<MQL	<0.4	<0.2	1.06	<0.2	<0.2 - 1.06	0.3	<0.4	<0.2	0.857	<2	<0.2 - 0.857	0.2	<0.4	598	0.732		0.732 - 598	149.7
o-Xylene	700	<0.2	<4	0.309	<0.2	<0.2 - 0.309	0.1	<0.2	0.482	0.347	<0.2	<0.2 - 0.482	0.2	<0.2	0.409	NR	<0.2	<0.2 - 0.409	0.1	<0.2	<0.4	0.275	<0.2	<0.2 - 0.275	0.1	<0.2	0.506	0.225	<0.2	<0.2 - 0.506	0.2	<0.2	127	0.266	<22.7	0.266 - 127	31.8
n-Hexane	50	0.459	**365**	1.21	<0.4	<0.4 - 365	**91.7**	0.537	**217**	1.34	<0.4	<0.4 - 217	**54.7**	0.663	0.372	NR	<0.4	<0.4 - 0.663	0.3	0.373	0.281	0.499	<0.4	0.281 - 0.499	0.3	1.01	4.86	0.676	0.666	0.666 - 4.86	1.8	0.738	**628**	0.761	**404**	0.738 - 628	**258.4**
Propylene	2,000	11.1	94.1	2.29	1.34	1.34 - 94.1	27.2	12.6	84.2	2.3	2.09	2.09 - 84.2	25.3	13.4	2.56	NR	2.18	2.18 - 13.4	4.5	4.93	2.32	2.54	1.91	1.91 - 4.93	2.9	13.5	16.9	5.31	1.66	1.66 - 16.9	9.3	12.3	158	7.91	449	7.91 - 449	156.8
Styrene		<0.2	<2	<0.2	<0.2	<0.2 - <2	<MQL	<0.2	<0.2	<0.2	<0.2	<0.2 - <0.2	<MQL	<0.2	<0.2	NR	<0.2	<0.2 - 0	<MQL	<0.2	<0.2	<0.2	<0.2	<0.2 - <0.2	<MQL	<0.2	**0.246**	<0.2	<0.2	<0.2 - 0.246	**0.1**	<0.2	<39.5	<0.2	<22.7	<0.2 - <39.5	<MQL
Tetrachloroethene	0.03	<0.2	<2	<0.2	<0.2	<0.2 - <2	<MQL	<0.2	**0.33**	<0.2	<0.2	<0.2 - 0.33	**0.1**	<0.2	<0.2	NR	<0.2	<0.2 - <0.2	<MQL	<0.2	<0.2	<0.2	<0.2	<0.2 - <0.2	<MQL	<0.2	<0.2	<0.2	<0.2	<0.2 - <0.2	<MQL	<0.2	<39.5	<0.2	<22.7	<0.2 - <39.5	<MQL
Toluene	100	0.874	12.9	3.48	0.343	0.343 - 12.9	4.4	1.02	5.73	8.49	0.362	0.362 - 8.49	3.9	0.715	0.824	NR	0.642	0.642 - 0.824	0.5	0.629	0.749	3.7	0.3	0.3 - 3.7	1.3	0.711	1.31	93	<0.2	<0.2 - 93	23.8	0.683	**190**	34.7	26.3	0.683 - 190	62.9
trans-1,2-Dichloroethene	20	<0.2	10	<0.2	<0.2	<0.2 - 10	2.5	<0.2	6.96	<0.2	<0.2	<0.2 - 6.96	1.7	<0.2	<0.2	NR	<0.2	<0.2 - <0.2	<MQL	<0.2	<0.2	<0.2	<0.2	<0.2 - <0.2	<MQL	<0.2	<0.2	<0.2	<0.2	<0.2 - <0.2	<MQL	<0.2	<39.5	<0.2	**33.9**	<0.2 - <39.5	8.5
trans-1,3-Dichloropropene		<0.2	<2	<0.2	<0.2	<0.2 - <2	<MQL	<0.2	<0.2	<0.2	<0.2	<0.2 - <0.2	<MQL	<0.2	<0.2	NR	<0.2	<0.2 - >0.2	<MQL	<0.2	<0.2	<0.2	<0.2	<0.2 - <0.2	<MQL	<0.2	<0.2	<0.2	<0.2	<0.2 - <0.2	<MQL	<0.2	<39.5	<0.2	<22.7	<0.2 - <39.5	<MQL
Trichloroethene	90	<0.2	**91.9**	<0.2	<0.2	<0.2 - 91.9	23.0	0.208	57.1	<0.2	<0.2	<0.2 - 57.1	14.3	0.26	<0.2	NR	<0.2	<0.2 - 0.26	0.1	<0.2	<0.2	0.256	<0.2	<0.2 - 0.256	0.1	<0.2	0.436	<0.2	<0.2	<0.2 - 0.436	0.1	0.44	**2240**	0.212	**3060**	0.212 - 3060	**1325**
Trichlorofluoromethane	200	0.251	<2	0.292	0.46	0.251 - 0.46	0.3	0.314	0.542	0.302	0.511	0.302 - 0.542	0.4	0.251	0.237	NR	0.274	0.237 - 0.274	0.2	0.241	<0.2	0.277	0.265	<0.2 - 0.277	0.2	0.273	<0.2	<0.2	0.274	<0.2 - 0.274	0.1	0.262	<39.5	0.392	<22.7	0.262 - <39.5	0.2
Vinyl chloride	40	<0.2	**5760**	<0.2	<0.2	<0.2 - 5760	**1440.0**	<0.2	**2600**	<0.2	<0.2	<0.2 - 2600	**650.0**	0.261	0.205	NR	<0.2	<0.2 - 0.261	0.1	<0.2	<0.2	<0.2	<0.2	<0.2 - <0.2	<MQL	<0.2	0.587		0.3	<0.2 - 0.587	0.2	<0.2	**8100**	<0.2	**8640**	8100 - 8640	**4185**

Notes:

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

bold, patterned bar indicates PAL does not apply because the method quantitation limit (MQL) is greater than the method quantitation limit

bold, patterned bar indicates PAL does not apply because the MQL is greater than the PAL

Highlighted text indicates summary statistic

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

* GP-11 and GP-14 only sampled in Q4, therefore no summary statistics are given

ppbv - parts per billion by volume

NA - not analyzed

µg/kg - micrograms per kilogram

MQL - method quantitation limit

< - not detected above the MQL

APPENDIX C
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)		
		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)	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	152.2	0.152
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**	157.8	0.158
1,1-Dichloroethene	0.57	**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**	64.98	0.065
1,2,4-Trimethylbenzene		**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**	22.15	0.022
1,3,5-Trimethylbenzene		**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**	22.15	0.022
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	83.2	0.083
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**	68.1	0.068
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	16.39	0.016
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	958.4	0.958
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**	17.65	0.018
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	16.39	0.016
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**	13020	13.020
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	213.2	0.213
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**	132.6	0.133
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	22.15	0.022
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	22.78	0.023
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	89.05	0.089
Methyl tert butyl ether		**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**	22.15	0.022
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	54.7	0.055
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	43.88	0.044
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	21.97	0.022
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**	423.2	0.423
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	269.2	0.269
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**	16.39	0.016
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	91.48	0.091
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**	46.26	0.046
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**	4158	4.158
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	16.39	0.016
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**	9136	9.136

Bold Highlighted text indicates value exceeds PAL

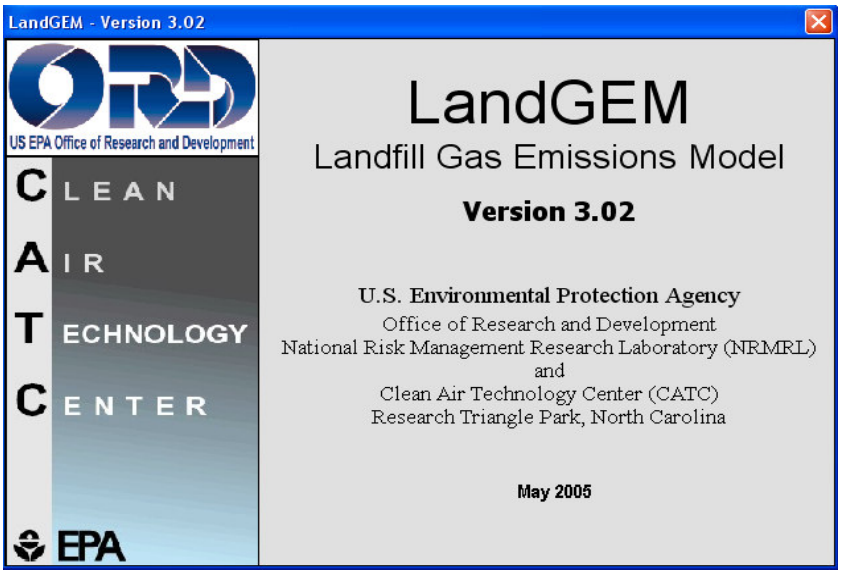
Bold Patterned text indicates Laboratory Detection Limit exceeds PAL

***PALs CHANGED FOR Q4 MODELING 21Feb-09**

***MDL = Method Detection Limit**

Maximum Annual Concentrations of COPCs

COPC	Concentration (µg/m^3)	PAL (µg/m^3)	PAL Exceeded? (1 = yes, 0 = no)
Total landfill gas	9.092E+02		
Methane	2.429E+02		
Carbon dioxide	6.664E+02		
NMOC	0.000E+00		
1,1,1-Trichloroethane (methyl chloroform) - HAP	5.010E-04	3816.39	0
1,1,2,2-Tetrachloroethane - HAP/VOC	5.591E-03		
1,1-Dichloroethane (ethylidene dichloride) - HAP/VOC	4.286E-04	0.4	0
1,1-Dichloroethene (vinylidene chloride) - HAP/VOC	1.908E-04	2.26	0
1,2-Dichloroethane (ethylene dichloride) - HAP/VOC	1.229E-03		
1,2-Dichloropropane (propylene dichloride) - HAP/VOC	6.159E-04		
2-Propanol (isopropyl alcohol) - VOC	9.101E-02		
Acetone	1.231E-02		
Acrylonitrile - HAP/VOC	1.012E-02		
Benzene - No or Unknown Co-disposal - HAP/VOC	1.396E-04	28.73	0
Benzene - Co-disposal - HAP/VOC	2.602E-02		
Bromodichloromethane - VOC	1.538E-02		
Butane - VOC	8.800E-03		
Carbon disulfide - HAP/VOC	2.766E-05	622.31	0
Carbon monoxide	1.187E-01		
Carbon tetrachloride - HAP/VOC	1.863E-05		
Carbonyl sulfide - HAP/VOC	8.913E-04		
Chlorobenzene - HAP/VOC	8.521E-04		
Chlorodifluoromethane	3.404E-03		
Chloroethane (ethyl chloride) - HAP/VOC	1.678E-03	10546.79	0
Chloroform - HAP/VOC	9.039E-05	0.2	0
Chloromethane - VOC	1.835E-05		
Dichlorobenzene - (HAP for para isomer/VOC)	9.348E-04		
Dichlorodifluoromethane	4.028E-04	494.16	0
Dichlorofluoromethane - VOC	8.103E-03		
Dichloromethane (methylene chloride) - HAP	3.601E-02		
Dimethyl sulfide (methyl sulfide) - VOC	1.468E-02		
Ethane	8.104E-01		
Ethanol - VOC	3.768E-02		
Ethyl mercaptan (ethanethiol) - VOC	4.327E-03		
Ethylbenzene - HAP/VOC	7.073E-05	867.76	0
Ethylene dibromide - HAP/VOC	5.689E-06		
Fluorotrichloromethane - VOC	3.162E-03		
Hexane - HAP/VOC	1.078E-03	176.09	0
Hydrogen sulfide	3.715E-02		
Mercury (total) - HAP	1.762E-06		
Methyl ethyl ketone - HAP/VOC	1.550E-02		
Methyl isobutyl ketone - HAP/VOC	5.763E-03		
Methyl mercaptan - VOC	3.642E-03		
Pentane - VOC	7.210E-03		
Perchloroethylene (tetrachloroethylene) - HAP	1.858E-02		
Propane - VOC	1.469E-02		
t-1,2-Dichloroethene - VOC	1.321E-04	79.23	0
Toluene - No or Unknown Co-disposal - HAP/VOC	2.539E-04	376.54	0
Toluene - Co-disposal - HAP/VOC	4.743E-01		
Trichloroethylene (trichloroethene) - HAP/VOC	1.524E-02		
Vinyl chloride - HAP/VOC	1.729E-02	102.17	0
Xylenes - HAP/VOC	1.415E-04	3037.15	0
2-Butanone	1.812E-04	2946.87	0
Cyclohexane	5.428E-04	6878.63	0
Freon-114	3.934E-04	Not Established	0
Methylene Chloride	1.415E-04	1041.23	0
Propylene (Propene)	2.982E-04	3439.31	0
Tetrachloroethene	8.033E-05	0.2	0
Trichlorofluoromethane	7.072E-05	1122.76	0
o-Xylene	7.073E-05	3037.15	0
cis-1,2-Dichloroethene	3.823E-02	792.32	0
Free - 113	6.809E-05	Not Established	0



Summary Report

Landfill Name or Identifier: Rose Hill Landfill

Date: Wednesday, March 16, 2011

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
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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

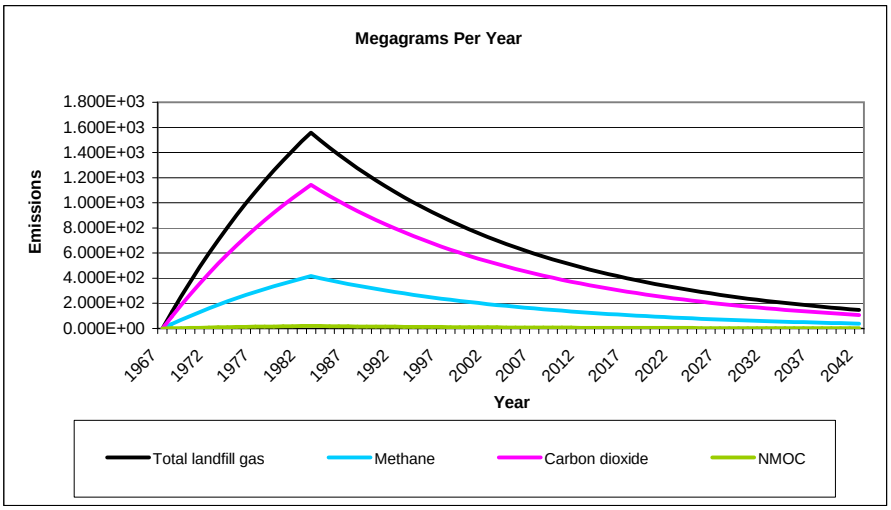
Pollutant Parameters

		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	0.14	133.41
	1,1,2,2-Tetrachloroethane - HAP/VOC	1.1	167.85		
	1,1-Dichloroethane (ethylidene dichloride) - HAP/VOC	2.4	98.97	0.15	98.97
	1,1-Dichloroethene (vinylidene chloride) - HAP/VOC	0.20	96.94	0.06	96.94
	1,2-Dichloroethane (ethylene dichloride) - HAP/VOC	0.41	98.96		
	1,2-Dichloropropane (propylene dichloride) - HAP/VOC	0.18	112.99		
	2-Propanol (isopropyl alcohol) - VOC	50	60.11		
	Acetone	7.0	58.08		
	Acrylonitrile - HAP/VOC	6.3	53.06		
	Benzene - No or Unknown Co-disposal - HAP/VOC	1.9	78.11	0.07	78.11
	Benzene - Co-disposal - HAP/VOC	11	78.11		
	Bromodichloromethane - VOC	3.1	163.83		
	Butane - VOC	5.0	58.12		
	Carbon disulfide - HAP/VOC	0.58	76.13	0.02	76.13
	Carbon monoxide	140	28.01		
	Carbon tetrachloride - HAP/VOC	4.0E-03	153.84		
	Carbonyl sulfide - HAP/VOC	0.49	60.07		
	Chlorobenzene - HAP/VOC	0.25	112.56		
	Chlorodifluoromethane	1.3	86.47		
	Chloroethane (ethyl chloride) - HAP/VOC	1.3	64.52	0.92	64.52
	Chloroform - HAP/VOC	0.03	119.39	0.02	119.39
	Chloromethane - VOC	1.2	50.49	0.02	50.49
	Dichlorobenzene - (HAP for para isomer/VOC)	0.21	147		
	Dichlorodifluoromethane	16	120.91	0.13	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	0.02	106.16
	Ethylene dibromide - HAP/VOC	1.0E-03	187.88		
	Fluorotrichloromethane - VOC	0.76	137.38		
	Hexane - HAP/VOC	6.6	86.18	0.42	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	0.04	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	9.04	62.50
	Xylenes - HAP/VOC	12	106.16	0.06	106.16
	2-Butanone			0.08	72.11
	cyclohexane			0.20	84.16
	Freon-114			0.02	170.92
	Methylene Chloride			0.05	84.93
	Propylene (Propene)Tetrachloroethene			0.27	42.08
	Tetrachlorothene			0.02	165.80
	Trichlorofluoromethane			0.02	137.37
	o-xylene			0.04	106.17
	cis-1,2-Dichloroethene			12.78	96.95
	Freon-113			0.02	187.38

Graphs


Megagrams Per Year
Emissions
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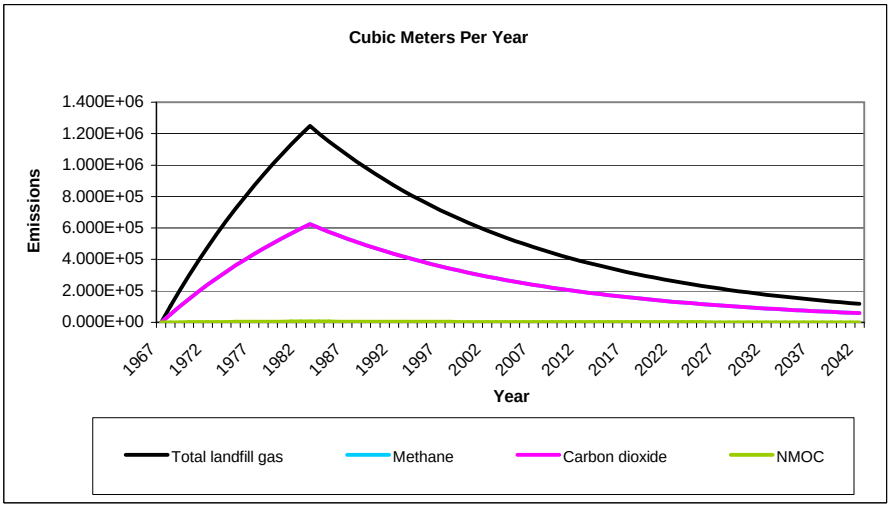
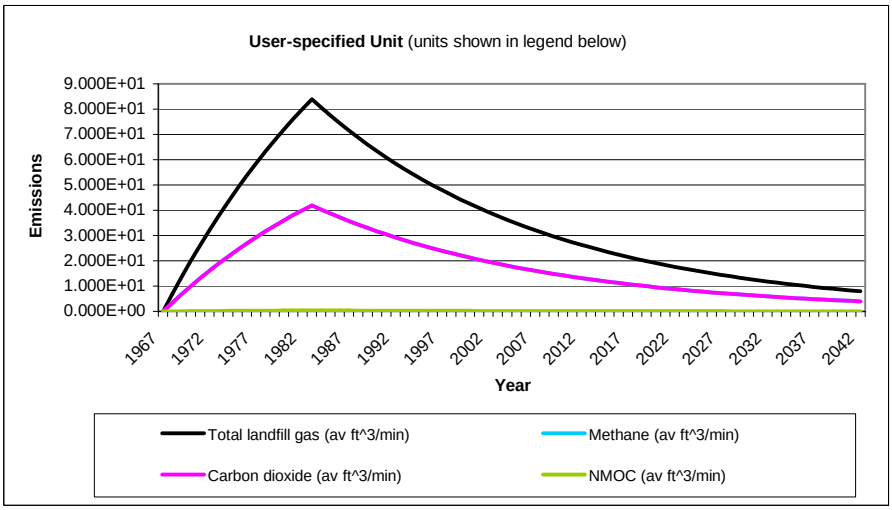
1.600E+03
1.400E+03
1.200E+03
1.000E+03
8.000E+02
6.000E+02
4.000E+02
2.000E+02
0.000E+00
1967 1972 1977 1982 1987 1992 1997 2002 2007 2012 2017 2022 2027 2032 2037 2042
Year
Total landfill gas
Methane
Carbon dioxide
NMOC


Cubic Meters Per Year
Emissions
1.400E+06
1.200E+06
1.000E+06
8.000E+05
6.000E+05
4.000E+05
2.000E+05
0.000E+00
1967 1972 1977 1982 1987 1992 1997 2002 2007 2012 2017 2022 2027 2032 2037 2042
Year
Total landfill gas
Methane
Carbon dioxide
NMOC


User-specified Unit (units shown in legend below)
Emissions
9.000E+01
8.000E+01
7.000E+01
6.000E+01
5.000E+01
4.000E+01
3.000E+01
2.000E+01
1.000E+01
0.000E+00
1967 1972 1977 1982 1987 1992 1997 2002 2007 2012 2017 2022 2027 2032 2037 2042
Year
Total landfill gas (av ft^3/min)
Methane (av ft^3/min)
Carbon dioxide (av ft^3/min)
NMOC (av ft^3/min)

Results

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

Results (Continued)

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

Results (Continued)

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

Results (Continued)

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

Results (Continued)

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

Results (Continued)

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

APPENDIX D

LABORATORY ANALYTICAL REPORTS

1st QUARTER

LABORATORY ANALYTICAL REPORTS

ANALYTICAL REPORT

Lab Number:	L1005228
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:	04/21/10

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: L1005228
Report Date: 04/21/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1005228-01	FIELD BLANK	SOUTH KINGSTOWN, RI	04/08/10 13:13
L1005228-02	GP-21	SOUTH KINGSTOWN, RI	04/08/10 13:18
L1005228-03	GF	SOUTH KINGSTOWN, RI	04/08/10 13:09
L1005228-04	GP-18	SOUTH KINGSTOWN, RI	04/08/10 13:24
L1005228-05	GP-16	SOUTH KINGSTOWN, RI	04/08/10 13:27
L1005228-06	GP-11	SOUTH KINGSTOWN, RI	04/08/10 13:37
L1005228-07	DUPLICATE (GP-11)	SOUTH KINGSTOWN, RI	04/08/10 13:38

Project Name: ROSE HILL LANDFILL **Lab Number:** L1005228
Project Number: JI-1747 **Report Date:** 04/21/10

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.

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: 04/21/10

AIR

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1005228
Report Date: 04/21/10

SAMPLE RESULTS

Lab ID: L1005228-01
Client ID: FIELD BLANK
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/14/10 18:14
Analyst: BS

Date Collected: 04/08/10 13:13
Date Received: 04/12/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
1,1,1-Trichloroethane	ND	0.200	ND	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	ND	0.200	ND	0.809		1
1,1-Dichloroethene	ND	0.200	ND	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	ND	0.200	ND	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	ND	0.200	ND	0.924		1
1,3,5-Trimethybenzene	ND	0.200	ND	0.982		1
1,3-Butadiene	ND	0.200	ND	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	ND	0.200	ND	1.20		1
2-Butanone	0.340	0.200	1.00	0.589		1
Benzene	ND	0.200	ND	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	0.356	0.200	1.11	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	ND	0.200	ND	0.527		1
Chloroform	ND	0.200	ND	0.976		1
Chloromethane	0.512	0.200	1.06	0.413		1

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1005228
Report Date: 04/21/10

SAMPLE RESULTS

Lab ID: L1005228-01
Client ID: FIELD BLANK
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/08/10 13:13
Date Received: 04/12/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
cis-1,2-Dichloroethene	ND	0.200	ND	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	0.498	0.200	1.71	0.688		1
Dichlorodifluoromethane	0.478	0.200	2.36	0.988		1
Ethylbenzene	ND	0.200	ND	0.868		1
Freon-113	ND	0.200	ND	1.53		1
Freon-114	ND	0.200	ND	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Methylene chloride	ND	0.500	ND	1.74		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	ND	0.400	ND	1.74		1
o-Xylene	ND	0.200	ND	0.868		1
n-Hexane	0.243	0.200	0.856	0.704		1
Propylene	ND	0.200	ND	0.344		1
Styrene	ND	0.200	ND	0.851		1
Tetrachloroethene	ND	0.200	ND	1.36		1
Toluene	ND	0.200	ND	0.753		1
trans-1,2-Dichloroethene	ND	0.200	ND	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	ND	0.200	ND	1.07		1
Trichlorofluoromethane	0.258	0.200	1.45	1.12		1
Vinyl chloride	ND	0.200	ND	0.511		1

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1005228
Report Date: 04/21/10

SAMPLE RESULTS

Lab ID: L1005228-02
Client ID: GP-21
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/16/10 09:37
Analyst: BS

Date Collected: 04/08/10 13:18
Date Received: 04/12/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
1,1,1-Trichloroethane	ND	0.200	ND	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	ND	0.200	ND	0.809		1
1,1-Dichloroethene	ND	0.200	ND	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	ND	0.200	ND	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	ND	0.200	ND	0.924		1
1,3,5-Trimethybenzene	ND	0.200	ND	0.982		1
1,3-Butadiene	ND	0.200	ND	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	ND	0.200	ND	1.20		1
2-Butanone	69.6	0.200	205	0.589		1
Benzene	0.405	0.200	1.29	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	26.7	0.200	83.0	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	ND	0.200	ND	0.527		1
Chloroform	0.590	0.200	2.88	0.976		1
Chloromethane	2.45	0.200	5.06	0.413		1

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1005228
Report Date: 04/21/10

SAMPLE RESULTS

Lab ID: L1005228-02
Client ID: GP-21
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/08/10 13:18
Date Received: 04/12/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
cis-1,2-Dichloroethene	ND	0.200	ND	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	ND	0.200	ND	0.688		1
Dichlorodifluoromethane	0.548	0.200	2.71	0.988		1
Ethylbenzene	ND	0.200	ND	0.868		1
Freon-113	ND	0.200	ND	1.53		1
Freon-114	ND	0.200	ND	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Methylene chloride	ND	0.500	ND	1.74		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	ND	0.400	ND	1.74		1
o-Xylene	ND	0.200	ND	0.868		1
n-Hexane	1.01	0.200	3.54	0.704		1
Propylene	13.5	0.200	23.3	0.344		1
Styrene	ND	0.200	ND	0.851		1
Tetrachloroethene	ND	0.200	ND	1.36		1
Toluene	0.711	0.200	2.68	0.753		1
trans-1,2-Dichloroethene	ND	0.200	ND	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	ND	0.200	ND	1.07		1
Trichlorofluoromethane	0.273	0.200	1.53	1.12		1
Vinyl chloride	ND	0.200	ND	0.511		1

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1005228
Report Date: 04/21/10

SAMPLE RESULTS

Lab ID: L1005228-03
Client ID: GF
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/16/10 10:17
Analyst: BS

Date Collected: 04/08/10 13:09
Date Received: 04/12/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
1,1,1-Trichloroethane	ND	0.200	ND	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	ND	0.200	ND	0.809		1
1,1-Dichloroethene	ND	0.200	ND	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	ND	0.200	ND	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	ND	0.200	ND	0.924		1
1,3,5-Trimethybenzene	ND	0.200	ND	0.982		1
1,3-Butadiene	ND	0.200	ND	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	ND	0.200	ND	1.20		1
2-Butanone	65.2	0.200	192	0.589		1
Benzene	0.437	0.200	1.39	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	0.320	0.200	0.996	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	ND	0.200	ND	0.527		1
Chloroform	ND	0.200	ND	0.976		1
Chloromethane	1.14	0.200	2.36	0.413		1

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1005228
Report Date: 04/21/10

SAMPLE RESULTS

Lab ID: L1005228-03
Client ID: GF
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/08/10 13:09
Date Received: 04/12/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
cis-1,2-Dichloroethene	ND	0.200	ND	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	ND	0.200	ND	0.688		1
Dichlorodifluoromethane	0.531	0.200	2.62	0.988		1
Ethylbenzene	ND	0.200	ND	0.868		1
Freon-113	ND	0.200	ND	1.53		1
Freon-114	ND	0.200	ND	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Methylene chloride	ND	0.500	ND	1.74		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	ND	0.400	ND	1.74		1
o-Xylene	ND	0.200	ND	0.868		1
n-Hexane	0.738	0.200	2.60	0.704		1
Propylene	12.3	0.200	21.1	0.344		1
Styrene	ND	0.200	ND	0.851		1
Tetrachloroethene	ND	0.200	ND	1.36		1
Toluene	0.683	0.200	2.57	0.753		1
trans-1,2-Dichloroethene	ND	0.200	ND	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	0.440	0.200	2.36	1.07		1
Trichlorofluoromethane	0.262	0.200	1.47	1.12		1
Vinyl chloride	ND	0.200	ND	0.511		1

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1005228
Report Date: 04/21/10

SAMPLE RESULTS

Lab ID: L1005228-04
Client ID: GP-18
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/14/10 20:06
Analyst: BS

Date Collected: 04/08/10 13:24
Date Received: 04/12/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
1,1,1-Trichloroethane	ND	0.200	ND	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	ND	0.200	ND	0.809		1
1,1-Dichloroethene	ND	0.200	ND	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	ND	0.200	ND	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	ND	0.200	ND	0.924		1
1,3,5-Trimethybenzene	ND	0.200	ND	0.982		1
1,3-Butadiene	ND	0.200	ND	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	ND	0.200	ND	1.20		1
2-Butanone	25.5	0.200	75.2	0.589		1
Benzene	0.236	0.200	0.753	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	2.16	0.200	6.71	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	ND	0.200	ND	0.527		1
Chloroform	ND	0.200	ND	0.976		1
Chloromethane	1.29	0.200	2.66	0.413		1

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1005228
Report Date: 04/21/10

SAMPLE RESULTS

Lab ID: L1005228-04
Client ID: GP-18
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/08/10 13:24
Date Received: 04/12/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
cis-1,2-Dichloroethene	ND	0.200	ND	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	ND	0.200	ND	0.688		1
Dichlorodifluoromethane	0.496	0.200	2.45	0.988		1
Ethylbenzene	ND	0.200	ND	0.868		1
Freon-113	ND	0.200	ND	1.53		1
Freon-114	ND	0.200	ND	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Methylene chloride	ND	0.500	ND	1.74		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	ND	0.400	ND	1.74		1
o-Xylene	ND	0.200	ND	0.868		1
n-Hexane	0.373	0.200	1.31	0.704		1
Propylene	4.93	0.200	8.47	0.344		1
Styrene	ND	0.200	ND	0.851		1
Tetrachloroethene	ND	0.200	ND	1.36		1
Toluene	0.629	0.200	2.37	0.753		1
trans-1,2-Dichloroethene	ND	0.200	ND	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	ND	0.200	ND	1.07		1
Trichlorofluoromethane	0.241	0.200	1.35	1.12		1
Vinyl chloride	ND	0.200	ND	0.511		1

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1005228
Report Date: 04/21/10

SAMPLE RESULTS

Lab ID: L1005228-05
Client ID: GP-16
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/14/10 21:22
Analyst: BS

Date Collected: 04/08/10 13:27
Date Received: 04/12/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
1,1,1-Trichloroethane	ND	0.200	ND	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	ND	0.200	ND	0.809		1
1,1-Dichloroethene	ND	0.200	ND	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	ND	0.200	ND	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	ND	0.200	ND	0.924		1
1,3,5-Trimethybenzene	ND	0.200	ND	0.982		1
1,3-Butadiene	ND	0.200	ND	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	ND	0.200	ND	1.20		1
2-Butanone	47.6	0.200	140	0.589		1
Benzene	0.456	0.200	1.46	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	6.41	0.200	19.9	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	ND	0.200	ND	0.527		1
Chloroform	ND	0.200	ND	0.976		1
Chloromethane	1.94	0.200	4.00	0.413		1

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1005228
Report Date: 04/21/10

SAMPLE RESULTS

Lab ID: L1005228-05
Client ID: GP-16
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/08/10 13:27
Date Received: 04/12/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
cis-1,2-Dichloroethene	ND	0.200	ND	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	ND	0.200	ND	0.688		1
Dichlorodifluoromethane	0.753	0.200	3.72	0.988		1
Ethylbenzene	ND	0.200	ND	0.868		1
Freon-113	ND	0.200	ND	1.53		1
Freon-114	0.405	0.200	2.83	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Methylene chloride	ND	0.500	ND	1.74		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	ND	0.400	ND	1.74		1
o-Xylene	ND	0.200	ND	0.868		1
n-Hexane	0.663	0.200	2.34	0.704		1
Propylene	13.4	0.200	23.1	0.344		1
Styrene	ND	0.200	ND	0.851		1
Tetrachloroethene	ND	0.200	ND	1.36		1
Toluene	0.715	0.200	2.69	0.753		1
trans-1,2-Dichloroethene	ND	0.200	ND	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	0.260	0.200	1.40	1.07		1
Trichlorofluoromethane	0.251	0.200	1.41	1.12		1
Vinyl chloride	0.261	0.200	0.667	0.511		1

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1005228
Report Date: 04/21/10

SAMPLE RESULTS

Lab ID: L1005228-06
Client ID: GP-11
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/16/10 10:55
Analyst: BS

Date Collected: 04/08/10 13:37
Date Received: 04/12/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
1,1,1-Trichloroethane	ND	0.200	ND	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	ND	0.200	ND	0.809		1
1,1-Dichloroethene	ND	0.200	ND	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	ND	0.200	ND	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	ND	0.200	ND	0.924		1
1,3,5-Trimethybenzene	ND	0.200	ND	0.982		1
1,3-Butadiene	ND	0.200	ND	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	ND	0.200	ND	1.20		1
2-Butanone	30.6	0.200	90.1	0.589		1
Benzene	0.474	0.200	1.51	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	1.80	0.200	5.60	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	0.466	0.200	1.23	0.527		1
Chloroform	ND	0.200	ND	0.976		1
Chloromethane	1.65	0.200	3.40	0.413		1

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1005228
Report Date: 04/21/10

SAMPLE RESULTS

Lab ID: L1005228-06
Client ID: GP-11
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/08/10 13:37
Date Received: 04/12/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
cis-1,2-Dichloroethene	ND	0.200	ND	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	ND	0.200	ND	0.688		1
Dichlorodifluoromethane	0.758	0.200	3.74	0.988		1
Ethylbenzene	ND	0.200	ND	0.868		1
Freon-113	ND	0.200	ND	1.53		1
Freon-114	ND	0.200	ND	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Methylene chloride	ND	0.500	ND	1.74		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	ND	0.400	ND	1.74		1
o-Xylene	ND	0.200	ND	0.868		1
n-Hexane	0.459	0.200	1.62	0.704		1
Propylene	11.1	0.200	19.1	0.344		1
Styrene	ND	0.200	ND	0.851		1
Tetrachloroethene	ND	0.200	ND	1.36		1
Toluene	0.874	0.200	3.29	0.753		1
trans-1,2-Dichloroethene	ND	0.200	ND	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	ND	0.200	ND	1.07		1
Trichlorofluoromethane	0.251	0.200	1.41	1.12		1
Vinyl chloride	ND	0.200	ND	0.511		1

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1005228
Report Date: 04/21/10

SAMPLE RESULTS

Lab ID: L1005228-07
Client ID: DUPLICATE (GP-11)
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/16/10 11:34
Analyst: BS

Date Collected: 04/08/10 13:38
Date Received: 04/12/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
1,1,1-Trichloroethane	ND	0.200	ND	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	ND	0.200	ND	0.809		1
1,1-Dichloroethene	ND	0.200	ND	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	ND	0.200	ND	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	ND	0.200	ND	0.924		1
1,3,5-Trimethybenzene	ND	0.200	ND	0.982		1
1,3-Butadiene	ND	0.200	ND	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	ND	0.200	ND	1.20		1
2-Butanone	26.8	0.200	78.9	0.589		1
Benzene	0.757	0.200	2.42	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	1.54	0.200	4.79	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	0.540	0.200	1.42	0.527		1
Chloroform	ND	0.200	ND	0.976		1
Chloromethane	1.74	0.200	3.60	0.413		1

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1005228
Report Date: 04/21/10

SAMPLE RESULTS

Lab ID: L1005228-07
Client ID: DUPLICATE (GP-11)
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 04/08/10 13:38
Date Received: 04/12/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
cis-1,2-Dichloroethene	ND	0.200	ND	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	ND	0.200	ND	0.688		1
Dichlorodifluoromethane	0.864	0.200	4.27	0.988		1
Ethylbenzene	ND	0.200	ND	0.868		1
Freon-113	0.275	0.200	2.10	1.53		1
Freon-114	ND	0.200	ND	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Methylene chloride	ND	0.500	ND	1.74		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	ND	0.400	ND	1.74		1
o-Xylene	ND	0.200	ND	0.868		1
n-Hexane	0.537	0.200	1.89	0.704		1
Propylene	12.6	0.200	21.8	0.344		1
Styrene	ND	0.200	ND	0.851		1
Tetrachloroethene	ND	0.200	ND	1.36		1
Toluene	1.02	0.200	3.82	0.753		1
trans-1,2-Dichloroethene	ND	0.200	ND	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	0.208	0.200	1.12	1.07		1
Trichlorofluoromethane	0.314	0.200	1.76	1.12		1
Vinyl chloride	ND	0.200	ND	0.511		1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1005228

Project Number: JI-1747 **Report Date:** 04/21/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/14/10 15:52

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01,04-05 Batch: WG408155-4						
1,1,1-Trichloroethane	ND	0.200	ND	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	ND	0.200	ND	0.809		1
1,1-Dichloroethene	ND	0.200	ND	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	ND	0.200	ND	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	ND	0.200	ND	0.924		1
1,3,5-Trimethybenzene	ND	0.200	ND	0.982		1
1,3-Butadiene	ND	0.200	ND	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dioxane	ND	0.200	ND	0.720		1
2,2,4-Trimethylpentane	ND	0.200	ND	0.934		1
2-Butanone	ND	0.200	ND	0.589		1
2-Hexanone	ND	0.200	ND	0.819		1
3-Chloropropene	ND	0.200	ND	0.626		1
4-Ethyltoluene	ND	0.200	ND	0.982		1
Acetone	ND	1.00	ND	2.37		1
Benzene	ND	0.200	ND	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromodichloromethane	ND	0.200	ND	1.34		1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1005228

Project Number: JI-1747 **Report Date:** 04/21/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/14/10 15:52

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01,04-05 Batch: WG408155-4						
Bromoform	ND	0.200	ND	2.06		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	ND	0.200	ND	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	ND	0.200	ND	0.527		1
Chloroform	ND	0.200	ND	0.976		1
Chloromethane	ND	0.200	ND	0.413		1
cis-1,2-Dichloroethene	ND	0.200	ND	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	ND	0.200	ND	0.688		1
Dibromochloromethane	ND	0.200	ND	1.70		1
Dichlorodifluoromethane	ND	0.200	ND	0.988		1
Ethanol	ND	2.50	ND	4.71		1
Ethyl Acetate	ND	0.500	ND	1.80		1
Ethylbenzene	ND	0.200	ND	0.868		1
Freon-113	ND	0.200	ND	1.53		1
Freon-114	ND	0.200	ND	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Isopropanol	ND	0.500	ND	1.23		1
Methylene chloride	ND	0.500	ND	1.74		1
4-Methyl-2-pentanone	ND	0.200	ND	0.819		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	ND	0.400	ND	1.74		1
o-Xylene	ND	0.200	ND	0.868		1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1005228

Project Number: JI-1747 **Report Date:** 04/21/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/14/10 15:52

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01,04-05 Batch: WG408155-4						
Heptane	ND	0.200	ND	0.819		1
n-Hexane	ND	0.200	ND	0.704		1
Propylene	ND	0.200	ND	0.344		1
Styrene	ND	0.200	ND	0.851		1
Tetrachloroethene	ND	0.200	ND	1.36		1
Tetrahydrofuran	ND	0.200	ND	0.589		1
Toluene	ND	0.200	ND	0.753		1
trans-1,2-Dichloroethene	ND	0.200	ND	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	ND	0.200	ND	1.07		1
Trichlorofluoromethane	ND	0.200	ND	1.12		1
Vinyl acetate	ND	0.200	ND	0.704		1
Vinyl bromide	ND	0.200	ND	0.874		1
Vinyl chloride	ND	0.200	ND	0.511		1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1005228

Project Number: JI-1747 **Report Date:** 04/21/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/15/10 15:57

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 02-03,06-07 Batch: WG408342-4						
1,1,1-Trichloroethane	ND	0.200	ND	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	ND	0.200	ND	0.809		1
1,1-Dichloroethene	ND	0.200	ND	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	ND	0.200	ND	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	ND	0.200	ND	0.924		1
1,3,5-Trimethybenzene	ND	0.200	ND	0.982		1
1,3-Butadiene	ND	0.200	ND	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dioxane	ND	0.200	ND	0.720		1
2,2,4-Trimethylpentane	ND	0.200	ND	0.934		1
2-Butanone	ND	0.200	ND	0.589		1
2-Hexanone	ND	0.200	ND	0.819		1
3-Chloropropene	ND	0.200	ND	0.626		1
4-Ethyltoluene	ND	0.200	ND	0.982		1
Acetone	ND	1.00	ND	2.37		1
Benzene	ND	0.200	ND	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromodichloromethane	ND	0.200	ND	1.34		1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1005228

Project Number: JI-1747 **Report Date:** 04/21/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/15/10 15:57

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 02-03,06-07 Batch: WG408342-4						
Bromoform	ND	0.200	ND	2.06		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	ND	0.200	ND	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	ND	0.200	ND	0.527		1
Chloroform	ND	0.200	ND	0.976		1
Chloromethane	ND	0.200	ND	0.413		1
cis-1,2-Dichloroethene	ND	0.200	ND	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	ND	0.200	ND	0.688		1
Dibromochloromethane	ND	0.200	ND	1.70		1
Dichlorodifluoromethane	ND	0.200	ND	0.988		1
Ethanol	ND	2.50	ND	4.71		1
Ethyl Acetate	ND	0.500	ND	1.80		1
Ethylbenzene	ND	0.200	ND	0.868		1
Freon-113	ND	0.200	ND	1.53		1
Freon-114	ND	0.200	ND	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Isopropanol	ND	0.500	ND	1.23		1
Methylene chloride	ND	0.500	ND	1.74		1
4-Methyl-2-pentanone	ND	0.200	ND	0.819		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	ND	0.400	ND	1.74		1
o-Xylene	ND	0.200	ND	0.868		1

Project Name: ROSE HILL LANDFILL **Lab Number:** L1005228

Project Number: JI-1747 **Report Date:** 04/21/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/15/10 15:57

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 02-03,06-07 Batch: WG408342-4						
Heptane	ND	0.200	ND	0.819		1
n-Hexane	ND	0.200	ND	0.704		1
Propylene	ND	0.200	ND	0.344		1
Styrene	ND	0.200	ND	0.851		1
Tetrachloroethene	ND	0.200	ND	1.36		1
Tetrahydrofuran	ND	0.200	ND	0.589		1
Toluene	ND	0.200	ND	0.753		1
trans-1,2-Dichloroethene	ND	0.200	ND	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	ND	0.200	ND	1.07		1
Trichlorofluoromethane	ND	0.200	ND	1.12		1
Vinyl acetate	ND	0.200	ND	0.704		1
Vinyl bromide	ND	0.200	ND	0.874		1
Vinyl chloride	ND	0.200	ND	0.511		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1005228
Report Date: 04/21/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01,04-05 Batch: WG408155-3								
1,1,1-Trichloroethane	87		-		70-130	-		
1,1,2,2-Tetrachloroethane	98		-		70-130	-		
1,1,2-Trichloroethane	85		-		70-130	-		
1,1-Dichloroethane	95		-		70-130	-		
1,1-Dichloroethene	100		-		70-130	-		
1,2,4-Trichlorobenzene	122		-		70-130	-		
1,2,4-Trimethylbenzene	115		-		70-130	-		
1,2-Dibromoethane	97		-		70-130	-		
1,2-Dichlorobenzene	108		-		70-130	-		
1,2-Dichloroethane	102		-		70-130	-		
1,2-Dichloropropane	79		-		70-130	-		
1,3,5-Trimethylbenzene	110		-		70-130	-		
1,3-Butadiene	95		-		70-130	-		
1,3-Dichlorobenzene	108		-		70-130	-		
1,4-Dichlorobenzene	108		-		70-130	-		
1,4-Dioxane	88		-		70-130	-		
2,2,4-Trimethylpentane	79		-		70-130	-		
2-Butanone	103		-		70-130	-		
2-Hexanone	95		-		70-130	-		
3-Chloropropene	92		-		70-130	-		
4-Ethyltoluene	106		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1005228
Report Date: 04/21/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01,04-05 Batch: WG408155-3								
Acetone	107		-		70-130	-		
Benzene	83		-		70-130	-		
Benzyl chloride	104		-		70-130	-		
Bromodichloromethane	86		-		70-130	-		
Bromoform	104		-		70-130	-		
Bromomethane	96		-		70-130	-		
Carbon disulfide	94		-		70-130	-		
Carbon tetrachloride	87		-		70-130	-		
Chlorobenzene	96		-		70-130	-		
Chloroethane	88		-		70-130	-		
Chloroform	102		-		70-130	-		
Chloromethane	86		-		70-130	-		
cis-1,2-Dichloroethene	97		-		70-130	-		
cis-1,3-Dichloropropene	88		-		70-130	-		
Cyclohexane	75		-		70-130	-		
Dibromochloromethane	100		-		70-130	-		
Dichlorodifluoromethane	99		-		70-130	-		
Ethyl Alcohol	96		-		70-130	-		
Ethyl Acetate	94		-		70-130	-		
Ethylbenzene	98		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	102		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1005228
Report Date: 04/21/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01,04-05 Batch: WG408155-3								
1,2-Dichloro-1,1,2,2-tetrafluoroethane	100		-		70-130	-		
Hexachlorobutadiene	120		-		70-130	-		
iso-Propyl Alcohol	99		-		70-130	-		
Methylene chloride	85		-		70-130	-		
4-Methyl-2-pentanone	86		-		70-130	-		
Methyl tert butyl ether	112		-		70-130	-		
p/m-Xylene	101		-		70-130	-		
o-Xylene	103		-		70-130	-		
Heptane	77		-		70-130	-		
n-Hexane	73		-		70-130	-		
Propylene	80		-		70-130	-		
Styrene	107		-		70-130	-		
Tetrachloroethene	101		-		70-130	-		
Tetrahydrofuran	100		-		70-130	-		
Toluene	93		-		70-130	-		
trans-1,2-Dichloroethene	88		-		70-130	-		
trans-1,3-Dichloropropene	78		-		70-130	-		
Trichloroethene	87		-		70-130	-		
Trichlorofluoromethane	107		-		70-130	-		
Vinyl acetate	112		-		70-130	-		
Vinyl bromide	104		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1005228
Report Date: 04/21/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01,04-05 Batch: WG408155-3								
Vinyl chloride	94		-		70-130	-		
Naphthalene	106		-		70-130	-		
Propane	73		-		70-130	-		
Acrylonitrile	100		-		70-130	-		
Acrolein	99		-		70-130	-		
1,1,1,2-Tetrachloroethane	96		-		70-130	-		
Isopropylbenzene	105		-		70-130	-		
1,2,3-Trichloropropane	95		-		70-130	-		
Acetonitrile	95		-		70-130	-		
Bromobenzene	93		-		70-130	-		
Chlorodifluoromethane	83		-		70-130	-		
Dichlorofluoromethane	90		-		70-130	-		
Dibromomethane	82		-		70-130	-		
Pentane	89		-		70-130	-		
Octane	92		-		70-130	-		
Tertiary-Amyl Methyl Ether	90		-		70-130	-		
o-Chlorotoluene	101		-		70-130	-		
p-Chlorotoluene	100		-		70-130	-		
2,2-Dichloropropane	98		-		70-130	-		
1,1-Dichloropropene	84		-		70-130	-		
Isopropyl Ether	84		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1005228
Report Date: 04/21/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01,04-05 Batch: WG408155-3								
Ethyl-Tert-Butyl-Ether	87		-		70-130	-		
1,2,3-Trichlorobenzene	112		-		70-130	-		
Ethyl ether	95		-		70-130	-		
n-Butylbenzene	110		-		70-130	-		
sec-Butylbenzene	107		-		70-130	-		
tert-Butylbenzene	111		-		70-130	-		
1,2-Dibromo-3-chloropropane	104		-		70-130	-		
p-Isopropyltoluene	106		-		70-130	-		
n-Propylbenzene	108		-		70-130	-		
1,3-Dichloropropane	86		-		70-130	-		
Methanol	91		-		70-130	-		
Butane	90		-		70-130	-		
Nonane (C9)	86		-		70-130	-		
Decane (C10)	96		-		70-130	-		
Undecane	102		-		70-130	-		
Dodecane (C12)	107		-		70-130	-		
Butyl Acetate	102		-		70-130	-		
tert-Butyl Alcohol	105		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1005228
Report Date: 04/21/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 02-03,06-07 Batch: WG408342-3								
1,1,1-Trichloroethane	90		-		70-130	-		
1,1,2,2-Tetrachloroethane	101		-		70-130	-		
1,1,2-Trichloroethane	93		-		70-130	-		
1,1-Dichloroethane	100		-		70-130	-		
1,1-Dichloroethene	102		-		70-130	-		
1,2,4-Trichlorobenzene	120		-		70-130	-		
1,2,4-Trimethylbenzene	117		-		70-130	-		
1,2-Dibromoethane	101		-		70-130	-		
1,2-Dichlorobenzene	108		-		70-130	-		
1,2-Dichloroethane	108		-		70-130	-		
1,2-Dichloropropane	88		-		70-130	-		
1,3,5-Trimethylbenzene	113		-		70-130	-		
1,3-Butadiene	100		-		70-130	-		
1,3-Dichlorobenzene	107		-		70-130	-		
1,4-Dichlorobenzene	107		-		70-130	-		
1,4-Dioxane	96		-		70-130	-		
2,2,4-Trimethylpentane	88		-		70-130	-		
2-Butanone	114		-		70-130	-		
2-Hexanone	108		-		70-130	-		
3-Chloropropene	105		-		70-130	-		
4-Ethyltoluene	112		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1005228
Report Date: 04/21/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 02-03,06-07 Batch: WG408342-3								
Acetone	114		-		70-130	-		
Benzene	90		-		70-130	-		
Benzyl chloride	105		-		70-130	-		
Bromodichloromethane	90		-		70-130	-		
Bromoform	104		-		70-130	-		
Bromomethane	94		-		70-130	-		
Carbon disulfide	90		-		70-130	-		
Carbon tetrachloride	88		-		70-130	-		
Chlorobenzene	101		-		70-130	-		
Chloroethane	95		-		70-130	-		
Chloroform	104		-		70-130	-		
Chloromethane	89		-		70-130	-		
cis-1,2-Dichloroethene	105		-		70-130	-		
cis-1,3-Dichloropropene	100		-		70-130	-		
Cyclohexane	84		-		70-130	-		
Dibromochloromethane	100		-		70-130	-		
Dichlorodifluoromethane	94		-		70-130	-		
Ethyl Alcohol	108		-		70-130	-		
Ethyl Acetate	100		-		70-130	-		
Ethylbenzene	105		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	104		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1005228
Report Date: 04/21/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 02-03,06-07 Batch: WG408342-3								
1,2-Dichloro-1,1,2,2-tetrafluoroethane	97		-		70-130	-		
Hexachlorobutadiene	118		-		70-130	-		
iso-Propyl Alcohol	108		-		70-130	-		
Methylene chloride	92		-		70-130	-		
4-Methyl-2-pentanone	96		-		70-130	-		
Methyl tert butyl ether	119		-		70-130	-		
p/m-Xylene	106		-		70-130	-		
o-Xylene	107		-		70-130	-		
Heptane	88		-		70-130	-		
n-Hexane	84		-		70-130	-		
Propylene	85		-		70-130	-		
Styrene	112		-		70-130	-		
Tetrachloroethene	102		-		70-130	-		
Tetrahydrofuran	124		-		70-130	-		
Toluene	102		-		70-130	-		
trans-1,2-Dichloroethene	92		-		70-130	-		
trans-1,3-Dichloropropene	87		-		70-130	-		
Trichloroethene	94		-		70-130	-		
Trichlorofluoromethane	100		-		70-130	-		
Vinyl acetate	127		-		70-130	-		
Vinyl bromide	100		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1005228
Report Date: 04/21/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 02-03,06-07 Batch: WG408342-3								
Vinyl chloride	96		-		70-130	-		
Naphthalene	107		-		70-130	-		
Propane	77		-		70-130	-		
Acrylonitrile	119		-		70-130	-		
Acrolein	112		-		70-130	-		
1,1,1,2-Tetrachloroethane	97		-		70-130	-		
Isopropylbenzene	108		-		70-130	-		
1,2,3-Trichloropropane	97		-		70-130	-		
Acetonitrile	107		-		70-130	-		
Bromobenzene	96		-		70-130	-		
Chlorodifluoromethane	84		-		70-130	-		
Dichlorofluoromethane	94		-		70-130	-		
Dibromomethane	86		-		70-130	-		
Pentane	105		-		70-130	-		
Octane	100		-		70-130	-		
Tertiary-Amyl Methyl Ether	97		-		70-130	-		
o-Chlorotoluene	104		-		70-130	-		
p-Chlorotoluene	102		-		70-130	-		
2,2-Dichloropropane	104		-		70-130	-		
1,1-Dichloropropene	91		-		70-130	-		
Isopropyl Ether	88		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1005228
Report Date: 04/21/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 02-03,06-07 Batch: WG408342-3								
Ethyl-Tert-Butyl-Ether	95		-		70-130	-		
1,2,3-Trichlorobenzene	110		-		70-130	-		
Ethyl ether	115		-		70-130	-		
n-Butylbenzene	113		-		70-130	-		
sec-Butylbenzene	110		-		70-130	-		
tert-Butylbenzene	112		-		70-130	-		
1,2-Dibromo-3-chloropropane	105		-		70-130	-		
p-Isopropyltoluene	109		-		70-130	-		
n-Propylbenzene	110		-		70-130	-		
1,3-Dichloropropane	94		-		70-130	-		
Methanol	112		-		70-130	-		
Butane	96		-		70-130	-		
Nonane (C9)	96		-		70-130	-		
Decane (C10)	101		-		70-130	-		
Undecane	108		-		70-130	-		
Dodecane (C12)	109		-		70-130	-		
Butyl Acetate	107		-		70-130	-		
tert-Butyl Alcohol	110		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

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

Lab Number: L1005228
Report Date: 04/21/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01,04-05 QC Batch ID: WG408155-5 QC Sample: L1005228-04 Client ID: GP-18						
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
1,3,5-Trimethybenzene	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
2-Butanone	25.5	24.4	ppbV	4		25
Benzene	0.236	0.243	ppbV	3		25
Benzyl chloride	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

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

Lab Number: L1005228
Report Date: 04/21/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01,04-05 QC Batch ID: WG408155-5 QC Sample: L1005228-04 Client ID: GP-18					
Carbon disulfide	2.16	2.12	ppbV	2	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Chloroethane	ND	ND	ppbV	NC	25
Chloroform	ND	ND	ppbV	NC	25
Chloromethane	1.29	1.26	ppbV	2	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
Cyclohexane	ND	ND	ppbV	NC	25
Dichlorodifluoromethane	0.496	0.482	ppbV	3	25
Ethylbenzene	ND	ND	ppbV	NC	25
Freon-113	ND	ND	ppbV	NC	25
Freon-114	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25
Methylene chloride	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
p/m-Xylene	ND	ND	ppbV	NC	25
o-Xylene	ND	ND	ppbV	NC	25
n-Hexane	0.373	0.399	ppbV	7	25

Lab Duplicate Analysis
Batch Quality Control

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

Lab Number: L1005228
Report Date: 04/21/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01,04-05 QC Batch ID: WG408155-5 QC Sample: L1005228-04 Client ID: GP-18					
Propylene	4.93	4.86	ppbV	1	25
Styrene	ND	ND	ppbV	NC	25
Tetrachloroethene	ND	ND	ppbV	NC	25
Toluene	0.629	0.601	ppbV	5	25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
Trichloroethene	ND	ND	ppbV	NC	25
Trichlorofluoromethane	0.241	0.240	ppbV	0	25
Vinyl chloride	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

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

Lab Number: L1005228
Report Date: 04/21/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 02-03,06-07 QC Batch ID: WG408342-5 QC Sample: L1005407-01 Client ID: DUP Sample					
1,1,1-Trichloroethane	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
1,1-Dichloroethane	ND	ND	ppbV	NC	25
1,1-Dichloroethene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	0.504	0.632	ppbV	23	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
1,3,5-Trimethybenzene	ND	ND	ppbV	NC	25
1,3-Butadiene	0.931	0.942	ppbV	1	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC	25
2-Butanone	2.56	2.75	ppbV	7	25
2-Hexanone	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

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

Lab Number: L1005228
Report Date: 04/21/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 02-03,06-07 QC Batch ID: WG408342-5 QC Sample: L1005407-01 Client ID: DUP Sample					
3-Chloropropene	ND	ND	ppbV	NC	25
4-Ethyltoluene	ND	ND	ppbV	NC	25
Acetone	14.1	14.6	ppbV	3	25
Benzene	1.14	1.14	ppbV	0	25
Benzyl chloride	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
Bromoform	ND	ND	ppbV	NC	25
Bromomethane	ND	ND	ppbV	NC	25
Carbon disulfide	0.799	0.822	ppbV	3	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Chlorobenzene	0.243	ND	ppbV	NC	25
Chloroethane	ND	ND	ppbV	NC	25
Chloroform	ND	ND	ppbV	NC	25
Chloromethane	ND	ND	ppbV	NC	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
Cyclohexane	ND	ND	ppbV	NC	25
Dibromochloromethane	ND	ND	ppbV	NC	25
Dichlorodifluoromethane	0.486	0.464	ppbV	5	25

Lab Duplicate Analysis
Batch Quality Control

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

Lab Number: L1005228
Report Date: 04/21/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 02-03,06-07 QC Batch ID: WG408342-5 QC Sample: L1005407-01 Client ID: DUP Sample					
Ethanol	ND	ND	ppbV	NC	25
Ethyl Acetate	ND	ND	ppbV	NC	25
Ethylbenzene	0.407	0.417	ppbV	2	25
Freon-113	ND	ND	ppbV	NC	25
Freon-114	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25
Isopropanol	ND	ND	ppbV	NC	25
Methylene chloride	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
p/m-Xylene	1.21	1.29	ppbV	6	25
o-Xylene	0.444	0.499	ppbV	12	25
Heptane	0.332	0.333	ppbV	0	25
n-Hexane	0.480	0.497	ppbV	3	25
Propylene	5.80	5.33	ppbV	8	25
Styrene	ND	ND	ppbV	NC	25
Tetrachloroethene	ND	ND	ppbV	NC	25
Tetrahydrofuran	ND	ND	ppbV	NC	25
Toluene	2.37	2.40	ppbV	1	25

Lab Duplicate Analysis
Batch Quality Control

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

Lab Number: L1005228
Report Date: 04/21/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 02-03,06-07 QC Batch ID: WG408342-5 QC Sample: L1005407-01 Client ID: DUP Sample					
trans-1,2-Dichloroethene	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
Trichloroethene	ND	ND	ppbV	NC	25
Trichlorofluoromethane	0.217	0.225	ppbV	4	25
Vinyl acetate	ND	ND	ppbV	NC	25
Vinyl bromide	ND	ND	ppbV	NC	25
Vinyl chloride	ND	ND	ppbV	NC	25

Project Name: ROSE HILL LANDFILL **Lab Number:** L1005228

Project Number: JI-1747 **Report Date:** 04/21/10

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
L1005228-01	FIELD BLANK	0023	#16 SV		-	-	8.6	10.0	15
L1005228-01	FIELD BLANK	524	2.7L Can	I1004194	-29.3	-0.7	-	-	-
L1005228-02	GP-21	0146	#16 SV		-	-	8.6	8.9	3
L1005228-02	GP-21	466	2.7L Can	I1004194	-28.8	-3.9	-	-	-
L1005228-03	GF	0371	#20 SV		-	-	9.0	12.0	29
L1005228-03	GF	344	2.7L Can	I1004194	-29.3	-3.1	-	-	-
L1005228-04	GP-18	0265	#16 SV		-	-	8.7	9.2	6
L1005228-04	GP-18	108	2.7L Can	I1004261	-29.3	-4.0	-	-	-
L1005228-05	GP-16	0348	#16 SV		-	-	8.6	9.2	7
L1005228-05	GP-16	470	2.7L Can	I1004194	-29.2	-6.0	-	-	-
L1005228-06	GP-11	0294	#16 SV		-	-	8.8	9.3	6
L1005228-06	GP-11	411	2.7L Can	I1004194	-29.1	-5.6	-	-	-
L1005228-07	DUPLICATE (GP-11)	0174	#16 SV		-	-	8.5	10.4	20
L1005228-07	DUPLICATE (GP-11)	1744	2.7L Can	I1004261	-29.3	-3.7	-	-	-

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

Lab Number: L1005228
Report Date: 04/21/10

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler	
N/A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis
L1005228-01A	Canister - 2.7 Liter	N/A	N/A		NA	Absent	TO15-LL(30)
L1005228-02A	Canister - 2.7 Liter	N/A	N/A		NA	Absent	TO15-LL(30)
L1005228-03A	Canister - 2.7 Liter	N/A	N/A		NA	Absent	TO15-LL(30)
L1005228-04A	Canister - 2.7 Liter	N/A	N/A		NA	Absent	TO15-LL(30)
L1005228-05A	Canister - 2.7 Liter	N/A	N/A		NA	Absent	TO15-LL(30)
L1005228-06A	Canister - 2.7 Liter	N/A	N/A		NA	Absent	TO15-LL(30)
L1005228-07A	Canister - 2.7 Liter	N/A	N/A		NA	Absent	TO15-LL(30)

*Hold days indicated by values in parentheses

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1005228
Project Number:	JI-1747	**Report Date:**	04/21/10

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.
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.
RDL	· Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL 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.
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 RDL. (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 reported detection limit (RDL) for the sample.

Report Format: Data Usability Report

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1005228
Project Number:	JI-1747	**Report Date:**	04/21/10

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 Woods Hole Labs 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 Woods Hole Labs.

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 December 15, 2009 – 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.)

Maine Department of Human Services Certificate/Lab ID: MA0030.

Wastewater (Inorganic Parameters: EPA 120.1, 300.0, SM 2320, 2510B, 2540C, 2540D, EPA 245.1. Organic Parameters: 608, 624.)

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.)

Pennsylvania Department of Environmental Protection Certificate/Lab ID: 68-02089. ***NELAP Accredited.***

Non-Potable Water (Organic Parameters: EPA 5030B, EPA 8260)

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.)

U.S. Army Corps of Engineers

Department of Defense Certificate/Lab ID: L2217.01.

Non-Potable Water (Inorganic Parameters: EPA 3005A,3020, 6020, 245.1, 245.7, 1631E, 7470A, 7474, 9014, 120.1, 9050A, 180.1, SM4500H-B, 2320B, 2510B, 2540D,9040. Organic Parameters: EPA 3510C, 5030B, 9010B, 624, 8260B, 8270C, 8270 Alk-PAH, 8082, 8081A, 8015 (SHC), 8015 (DRO).)

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.

04211015:05

AIR ANALYSIS

PAGE 1 OF 1

ALPHA ANALYTICAL — *CHAIN OF CUSTODY*

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: L1005228

Client Information

Client: Louis Berger Group
Address: 295 Promenade St. Providence, RI 02903
Phone: (401) 521-5980
Fax:
Email: Shogan@louisberger.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Rose Hill
Project Location: S. Kingstown, RI
Project #: J1-1749
Project Manager: Chris Feeney
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Other Project Specific Requirements/Comments:

Sampling date is April

All Columns Below Must Be Filled Out

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
5228-1	Field Blank	5/8/10	9:10	1:13	-29.3	-0	AA	CL		524	0023		1						
-2	6P-21		9:15	1:18	-28.8	-4	SV			466	0146								
-3	6F		9:04	1:09	-29.3	-1.5				344	0311								
-4	6P-18		9:20	1:24	-29.3	-7				108	0265								
-5	6P-16		9:26	1:27	-29.2	-5				470	0348								
-6	6P-11		9:36	1:37	-29.1	-5.5				411	0294								
-7	Replicate (6P-11)		9:36	1:38	-29.3	-4				744	074								

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

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 Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
Jody Muncan		P. Gillett	4/12/10 9:10
P. Gillett	4/12/10 10:50	Eileen Sullivan	4/12/10 10:50

Form No: 101-02 (19-Jun-09)

ANALYTICAL REPORT

Lab Number:	L1006106
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:	05/07/10

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: L1006106
Report Date: 05/07/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1006106-01	MW-4-S	SOUTH KINGSTOWN, RI	04/27/10 08:53
L1006106-02	FIELD BLANK	SOUTH KINGSTOWN, RI	04/27/10 09:57
L1006106-03	MW-3-BR	SOUTH KINGSTOWN, RI	04/27/10 10:36
L1006106-04	DUPLICATE (3-BR)	SOUTH KINGSTOWN, RI	04/27/10 10:36
L1006106-05	MW-3-S	SOUTH KINGSTOWN, RI	04/27/10 11:18
L1006106-06	MW-12-S	SOUTH KINGSTOWN, RI	04/27/10 13:13
L1006106-07	MW-12-DO	SOUTH KINGSTOWN, RI	04/27/10 13:42
L1006106-08	TRIP BLANK	SOUTH KINGSTOWN, RI	04/27/10 00:00
L1006106-09	MW-4-DO	SOUTH KINGSTOWN, RI	04/27/10 09:43
L1006106-10	MW-7-BR	SOUTH KINGSTOWN, RI	04/27/10 14:24
L1006106-11	MW-7-DO	SOUTH KINGSTOWN, RI	04/27/10 14:23
L1006106-12	SW-9	SOUTH KINGSTOWN, RI	04/27/10 09:00
L1006106-13	DUPLICATE (SW-9)	SOUTH KINGSTOWN, RI	04/27/10 09:00
L1006106-14	SW-17	SOUTH KINGSTOWN, RI	04/27/10 11:10
L1006106-15	SW-4	SOUTH KINGSTOWN, RI	04/27/10 13:20

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106
Project Number: JI-1747 **Report Date:** 05/07/10

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 WG411750-1 LCS recovery, associated with L1006106-01 through -11, is below the acceptance criteria for Chloromethane (66%), but within the overall method allowances.

The WG411750-4/-5 MS/MSD recoveries, associated with L1006106-01, were outside the acceptance criteria for Bromomethane (64%/67%), Acetone (MS at 134%), and n-Butylbenzene (MSD at 69%); however, the associated LCS/LCSD recoveries were within criteria.

Semivolatile Organics

N-N-Dimethylformamide was not detected as a TIC in any sample.

The WG410518-2/-3 LCS/LCSD recoveries, associated with L1006106-01 through -07, -09, -10, and -11, were above the acceptance criteria for 2,4-Dinitrotoluene (111%/107%), P-Chloro-M-Cresol (104%/99%) and Pentachlorophenol (LCS at 105%); however, the associated samples were non-detect for these target

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Case Narrative (continued)

compounds. The results of the original analysis are reported.

Semivolatile Organics by SIM

The WG410519-1 Method Blank, associated with L1006106-01 through -07, -09, -10, and -11, has a concentration above the reporting limit for Benzo(a)pyrene. Since the associated samples were non-detect for this target analyte, no further actions were taken. The results of the original analysis are reported.

The WG410519-4/-5 MS/MSD recoveries, associated with L1006106-01, were above the acceptance criteria for Pentachlorophenol (110%/130%); however, the associated LCS/LCSD recoveries were within criteria.

Total Metals

The WG410409-3/-4 MS/MSD recoveries, associated with L1006106-01, are invalid for Manganese (142%/136%) because the sample concentration is greater than four times the spike amount added.

The WG410763-3/-4 MS/MSD recoveries associated with L1006106-01, are invalid for Iron (230%/0%) and Manganese (134%/79%), because the sample concentrations are greater than four times the spike amount added. In addition, the associated MS/MSD RPDs are above the acceptance criteria for Iron (311%) and Manganese (52%).

Total Organic Carbon

L1006106-12 through -15 have elevated detection limits due to the dilutions required by the sample matrix.

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: 05/07/10

ORGANICS

VOLATILES

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-01	Date Collected:	04/27/10 08:53
Client ID:	MW-4-S	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	05/06/10 13:58		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RDL	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:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-01	Date Collected:	04/27/10 08:53
Client ID:	MW-4-S	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	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	0.58		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

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Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-01	Date Collected:	04/27/10 08:53
Client ID:	MW-4-S	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	101		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-02	Date Collected:	04/27/10 09:57
Client ID:	FIELD BLANK	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	05/06/10 14:33		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
Methylene chloride	4.7		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:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006106-02 Date Collected: 04/27/10 09:57

Client ID: FIELD BLANK Date Received: 04/27/10

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

Parameter	Result	Qualifier	Units	RDL	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

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SAMPLE RESULTS

Lab ID:	L1006106-02	Date Collected:	04/27/10 09:57
Client ID:	FIELD BLANK	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	100		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-03	Date Collected:	04/27/10 10:36
Client ID:	MW-3-BR	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	05/06/10 15:08		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RDL	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:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006106-03 Date Collected: 04/27/10 10:36

Client ID: MW-3-BR Date Received: 04/27/10

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

Parameter	Result	Qualifier	Units	RDL	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:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-03	Date Collected:	04/27/10 10:36
Client ID:	MW-3-BR	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	100		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-04	Date Collected:	04/27/10 10:36
Client ID:	DUPLICATE (3-BR)	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	05/06/10 15:43		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RDL	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:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006106-04 Date Collected: 04/27/10 10:36

Client ID: DUPLICATE (3-BR) Date Received: 04/27/10

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

Parameter	Result	Qualifier	Units	RDL	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:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-04	Date Collected:	04/27/10 10:36
Client ID:	DUPLICATE (3-BR)	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	102		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-05	Date Collected:	04/27/10 11:18
Client ID:	MW-3-S	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	05/06/10 16:18		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RDL	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:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006106-05 Date Collected: 04/27/10 11:18

Client ID: MW-3-S Date Received: 04/27/10

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

Parameter	Result	Qualifier	Units	RDL	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:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-05	Date Collected:	04/27/10 11:18
Client ID:	MW-3-S	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	101		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-06	Date Collected:	04/27/10 13:13
Client ID:	MW-12-S	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	05/06/10 16:53		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RDL	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:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006106-06 Date Collected: 04/27/10 13:13

Client ID: MW-12-S Date Received: 04/27/10

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

Parameter	Result	Qualifier	Units	RDL	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:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-06	Date Collected:	04/27/10 13:13
Client ID:	MW-12-S	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	101		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-07	Date Collected:	04/27/10 13:42
Client ID:	MW-12-DO	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	05/06/10 17:28		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RDL	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:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006106-07 Date Collected: 04/27/10 13:42

Client ID: MW-12-DO Date Received: 04/27/10

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

Parameter	Result	Qualifier	Units	RDL	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:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-07	Date Collected:	04/27/10 13:42
Client ID:	MW-12-DO	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	102		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-08	Date Collected:	04/27/10 00:00
Client ID:	TRIP BLANK	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	05/06/10 18:03		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RDL	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:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006106-08 Date Collected: 04/27/10 00:00

Client ID: TRIP BLANK Date Received: 04/27/10

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

Parameter	Result	Qualifier	Units	RDL	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:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-08	Date Collected:	04/27/10 00:00
Client ID:	TRIP BLANK	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	102		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-09	Date Collected:	04/27/10 09:43
Client ID:	MW-4-DO	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	05/06/10 18:38		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RDL	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	1.8		ug/l	1.0	1
Chloroethane	1.6		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:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-09	Date Collected:	04/27/10 09:43
Client ID:	MW-4-DO	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	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	1.3		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:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-09	Date Collected:	04/27/10 09:43
Client ID:	MW-4-DO	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	100		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-10	Date Collected:	04/27/10 14:24
Client ID:	MW-7-BR	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	05/06/10 19:13		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
Methylene chloride	ND		ug/l	3.0	1
1,1-Dichloroethane	1.8		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:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-10	Date Collected:	04/27/10 14:24
Client ID:	MW-7-BR	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	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:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-10	Date Collected:	04/27/10 14:24
Client ID:	MW-7-BR	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	99		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-11	Date Collected:	04/27/10 14:23
Client ID:	MW-7-DO	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	05/06/10 19:49		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RDL	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	4.0		ug/l	0.50	1
Trichlorofluoromethane	ND		ug/l	2.5	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
1,1-Dichloropropene	ND		ug/l	2.5	1
Bromoform	ND		ug/l	2.0	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Benzene	0.69		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:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006106-11 Date Collected: 04/27/10 14:23

Client ID: MW-7-DO Date Received: 04/27/10

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

Parameter	Result	Qualifier	Units	RDL	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:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-11	Date Collected:	04/27/10 14:23
Client ID:	MW-7-DO	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	101		70-130

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 05/06/10 11:05
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-11 Batch: WG411750-3				
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:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 05/06/10 11:05
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-11 Batch: WG411750-3				
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:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 05/06/10 11:05
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-11 Batch: WG411750-3				
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	112		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1006106
Report Date: 05/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG411750-1 WG411750-2								
Methylene chloride	95		96		70-130	1		20
1,1-Dichloroethane	99		100		70-130	1		20
Chloroform	104		103		70-130	1		20
Carbon tetrachloride	108		108		70-130	0		20
1,2-Dichloropropane	92		95		70-130	3		20
Dibromochloromethane	102		105		70-130	3		20
1,1,2-Trichloroethane	95		101		70-130	6		20
Tetrachloroethene	100		98		70-130	2		20
Chlorobenzene	98		96		75-130	2		20
Trichlorofluoromethane	111		110		70-130	1		20
1,2-Dichloroethane	108		112		70-130	4		20
1,1,1-Trichloroethane	101		100		70-130	1		20
Bromodichloromethane	102		102		70-130	0		20
trans-1,3-Dichloropropene	102		104		70-130	2		20
cis-1,3-Dichloropropene	87		90		70-130	3		20
1,1-Dichloropropene	102		98		70-130	4		20
Bromoform	105		107		70-130	2		20
1,1,2,2-Tetrachloroethane	100		109		70-130	9		20
Benzene	97		96		76-127	1		20
Toluene	97		96		76-125	1		20
Ethylbenzene	104		103		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1006106
Report Date: 05/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG411750-1 WG411750-2								
Chloromethane	**66**	Q	72		70-130	9		20
Bromomethane	75		71		70-130	5		20
Vinyl chloride	90		90		70-130	0		20
Chloroethane	99		95		70-130	4		20
1,1-Dichloroethene	96		95		61-145	1		20
trans-1,2-Dichloroethene	99		93		70-130	6		20
Trichloroethene	91		90		71-120	1		20
1,2-Dichlorobenzene	97		100		70-130	3		20
1,3-Dichlorobenzene	101		102		70-130	1		20
1,4-Dichlorobenzene	99		101		70-130	2		20
Methyl tert butyl ether	93		100		70-130	7		20
p/m-Xylene	104		102		70-130	2		20
o-Xylene	105		104		70-130	1		20
cis-1,2-Dichloroethene	103		99		70-130	4		20
Dibromomethane	100		103		70-130	3		20
1,2,3-Trichloropropane	100		110		70-130	10		20
Styrene	98		98		70-130	0		20
Dichlorodifluoromethane	87		83		70-130	5		20
Acetone	108		117		70-130	8		20
Carbon disulfide	97		88		70-130	10		20
2-Butanone	99		110		70-130	11		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1006106
Report Date: 05/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG411750-1 WG411750-2								
4-Methyl-2-pentanone	97		106		70-130	9		20
2-Hexanone	100		113		70-130	12		20
Bromochloromethane	96		99		70-130	3		20
Tetrahydrofuran	85		93		70-130	9		20
2,2-Dichloropropane	103		105		70-130	2		20
1,2-Dibromoethane	97		102		70-130	5		20
1,3-Dichloropropane	97		100		70-130	3		20
1,1,1,2-Tetrachloroethane	101		103		70-130	2		20
Bromobenzene	99		103		70-130	4		20
n-Butylbenzene	104		105		70-130	1		20
sec-Butylbenzene	105		105		70-130	0		20
tert-Butylbenzene	102		103		70-130	1		20
o-Chlorotoluene	103		102		70-130	1		20
p-Chlorotoluene	106		106		70-130	0		20
1,2-Dibromo-3-chloropropane	94		106		70-130	12		20
Hexachlorobutadiene	107		101		70-130	6		20
Isopropylbenzene	106		105		70-130	1		20
p-Isopropyltoluene	106		107		70-130	1		20
Naphthalene	83		98		70-130	17		20
n-Propylbenzene	106		105		70-130	1		20
1,2,3-Trichlorobenzene	90		100		70-130	11		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: JI-1747

Lab Number: L1006106

Report Date: 05/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG411750-1 WG411750-2								
1,2,4-Trichlorobenzene	98		104		70-130	6		20
1,3,5-Trimethylbenzene	98		100		70-130	2		20
1,2,4-Trimethylbenzene	95		97		70-130	2		20
Ethyl ether	89		94		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	113		113		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	103		103		70-130
Dibromofluoromethane	106		106		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1006106
Report Date: 05/07/10

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG411750-4 WG411750-5 QC Sample: L1006106-01 Client ID: MW-4-S

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	10	105		9.9	99		70-130	6		20
1,1-Dichloroethane	ND	10	10	106		9.8	98		70-130	8		20
Chloroform	ND	10	11	106		10	100		70-130	6		20
Carbon tetrachloride	ND	10	9.7	97		9.2	92		70-130	5		20
1,2-Dichloropropane	ND	10	9.6	96		9.0	91		70-130	5		20
Dibromochloromethane	ND	10	9.5	95		9.2	92		70-130	3		20
1,1,2-Trichloroethane	ND	10	9.6	96		9.4	94		70-130	2		20
Tetrachloroethene	ND	10	9.0	90		8.4	84		70-130	7		20
Chlorobenzene	ND	10	9.2	92		8.6	86		75-130	7		20
Trichlorofluoromethane	ND	10	11	110		9.9	99		70-130	11		20
1,2-Dichloroethane	ND	10	12	118		11	111		70-130	6		20
1,1,1-Trichloroethane	ND	10	9.5	95		9.1	91		70-130	4		20
Bromodichloromethane	ND	10	9.8	98		9.6	96		70-130	2		20
trans-1,3-Dichloropropene	ND	10	9.2	93		9.1	91		70-130	2		20
cis-1,3-Dichloropropene	ND	10	8.0	80		7.8	78		70-130	3		20
1,1-Dichloropropene	ND	10	9.6	96		9.0	90		70-130	6		20
Bromoform	ND	10	9.6	96		9.4	94		70-130	2		20
1,1,2,2-Tetrachloroethane	ND	10	11	112		11	112		70-130	0		20
Benzene	ND	10	9.9	99		9.2	92		76-127	7		20
Toluene	ND	10	9.3	93		8.7	87		76-125	7		20
Ethylbenzene	ND	10	9.6	96		9.0	90		70-130	6		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1006106
Report Date: 05/07/10

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG411750-4 WG411750-5 QC Sample: L1006106-01 Client ID: MW-4-S

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Chloromethane	ND	10	7.5	75		7.2	72		70-130	4		20
Bromomethane	ND	10	6.4	**64**	Q	6.6	**67**	Q	70-130	5		20
Vinyl chloride	ND	10	11	107		9.8	98		70-130	9		20
Chloroethane	ND	10	11	108		10	102		70-130	6		20
1,1-Dichloroethene	ND	10	9.7	97		8.8	88		61-145	10		20
trans-1,2-Dichloroethene	ND	10	9.8	98		8.8	88		70-130	11		20
Trichloroethene	ND	10	8.5	85		8.0	80		71-120	6		20
1,2-Dichlorobenzene	ND	10	9.0	90		8.6	86		70-130	5		20
1,3-Dichlorobenzene	ND	10	9.2	92		8.7	87		70-130	6		20
1,4-Dichlorobenzene	ND	10	9.1	91		8.6	86		70-130	6		20
Methyl tert butyl ether	ND	10	9.7	97		9.7	97		70-130	0		20
p/m-Xylene	ND	20	19	94		18	88		70-130	7		20
o-Xylene	ND	20	19	95		18	90		70-130	5		20
cis-1,2-Dichloroethene	0.58	10	11	105		10	97		70-130	8		20
Dibromomethane	ND	10	10	105		10	100		70-130	5		20
1,2,3-Trichloropropane	ND	10	10	105		10	102		70-130	3		20
Styrene	ND	20	18	90		17	85		70-130	6		20
Dichlorodifluoromethane	ND	10	8.0	80		7.4	74		70-130	8		20
Acetone	ND	10	13	**134**	Q	12	124		70-130	8		20
Carbon disulfide	ND	10	8.3	83		7.7	77		70-130	8		20
2-Butanone	ND	10	10	105		10	105		70-130	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1006106
Report Date: 05/07/10

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG411750-4 WG411750-5 QC Sample: L1006106-01 Client ID: MW-4-S

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	9.6	96		9.7	97		70-130	1		20
2-Hexanone	ND	10	10	102		10	106		70-130	4		20
Bromochloromethane	ND	10	10	103		9.9	99		70-130	4		20
Tetrahydrofuran	ND	10	ND	93		ND	97		70-130	4		20
2,2-Dichloropropane	ND	10	7.9	79		7.7	77		70-130	3		20
1,2-Dibromoethane	ND	10	10	102		9.8	98		70-130	4		20
1,3-Dichloropropane	ND	10	10	100		9.7	97		70-130	3		20
1,1,1,2-Tetrachloroethane	ND	10	9.1	91		8.8	88		70-130	3		20
Bromobenzene	ND	10	9.3	94		8.9	89		70-130	5		20
n-Butylbenzene	ND	10	7.3	73		6.9	**69**	Q	70-130	6		20
sec-Butylbenzene	ND	10	9.2	92		8.8	88		70-130	4		20
tert-Butylbenzene	ND	10	9.1	91		8.6	86		70-130	6		20
o-Chlorotoluene	ND	10	9.2	92		8.7	87		70-130	6		20
p-Chlorotoluene	ND	10	9.5	95		8.8	88		70-130	8		20
1,2-Dibromo-3-chloropropane	ND	10	9.7	97		9.7	97		70-130	0		20
Hexachlorobutadiene	ND	10	8.7	87		8.4	84		70-130	4		20
Isopropylbenzene	ND	10	9.5	95		8.9	89		70-130	7		20
p-Isopropyltoluene	ND	10	9.3	93		8.9	89		70-130	4		20
Naphthalene	ND	10	9.1	91		9.2	92		70-130	1		20
n-Propylbenzene	ND	10	9.3	93		8.7	87		70-130	7		20
1,2,3-Trichlorobenzene	ND	10	8.9	89		8.8	88		70-130	1		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1006106
Report Date: 05/07/10

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): 01-11 QC Batch ID: WG411750-4 WG411750-5 QC Sample: L1006106-01 Client ID: MW-4-S												
1,2,4-Trichlorobenzene	ND	10	9.2	93		8.9	89		70-130	4		20
1,3,5-Trimethylbenzene	ND	10	8.4	84		7.8	78		70-130	7		20
1,2,4-Trimethylbenzene	ND	10	8.3	83		7.7	77		70-130	8		20
Ethyl ether	ND	10	9.5	95		9.5	95		70-130	0		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		116		70-130
4-Bromofluorobenzene	102		101		70-130
Dibromofluoromethane	109		108		70-130
Toluene-d8	100		99		70-130

SEMIVOLATILES

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-01	Date Collected:	04/27/10 08:53
Client ID:	MW-4-S	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 01:59
Analytical Date:	05/01/10 12:33		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RDL	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
Hexachlorobenzene	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
Hexachlorobutadiene	ND		ug/l	10	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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-01	Date Collected:	04/27/10 08:53
Client ID:	MW-4-S	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Diethyl phthalate	ND		ug/l	5.0	1
Dimethyl phthalate	ND		ug/l	5.0	1
Benzo(a)anthracene	ND		ug/l	5.0	1
Benzo(a)pyrene	ND		ug/l	5.0	1
Benzo(b)fluoranthene	ND		ug/l	5.0	1
Benzo(k)fluoranthene	ND		ug/l	5.0	1
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
Indeno(1,2,3-cd)Pyrene	ND		ug/l	7.0	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
Pentachlorophenol	ND		ug/l	10	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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-01	Date Collected:	04/27/10 08:53
Client ID:	MW-4-S	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
2,6-Dichlorophenol	ND		ug/l	10	1
Benzyl Alcohol	ND		ug/l	10	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	98		10-120
4-Terphenyl-d14	87		33-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-01	Date Collected:	04/27/10 08:53
Client ID:	MW-4-S	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 02:02
Analytical Date:	05/01/10 16:15		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RDL	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	87		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	113		10-120
4-Terphenyl-d14	97		33-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-02	Date Collected:	04/27/10 09:57
Client ID:	FIELD BLANK	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 01:59
Analytical Date:	04/30/10 21:26		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RDL	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
Hexachlorobenzene	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
Hexachlorobutadiene	ND		ug/l	10	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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006106-02 Date Collected: 04/27/10 09:57

Client ID: FIELD BLANK Date Received: 04/27/10

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

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Diethyl phthalate	ND		ug/l	5.0	1
Dimethyl phthalate	ND		ug/l	5.0	1
Benzo(a)anthracene	ND		ug/l	5.0	1
Benzo(a)pyrene	ND		ug/l	5.0	1
Benzo(b)fluoranthene	ND		ug/l	5.0	1
Benzo(k)fluoranthene	ND		ug/l	5.0	1
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
Indeno(1,2,3-cd)Pyrene	ND		ug/l	7.0	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
Pentachlorophenol	ND		ug/l	10	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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-02	Date Collected:	04/27/10 09:57
Client ID:	FIELD BLANK	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
2,6-Dichlorophenol	ND		ug/l	10	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	87		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	94		10-120
4-Terphenyl-d14	82		33-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-02	Date Collected:	04/27/10 09:57
Client ID:	FIELD BLANK	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 02:02
Analytical Date:	05/01/10 16:44		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RDL	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	32		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	106		10-120
4-Terphenyl-d14	89		33-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-03	Date Collected:	04/27/10 10:36
Client ID:	MW-3-BR	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 01:59
Analytical Date:	04/30/10 21:49		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RDL	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
Hexachlorobenzene	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
Hexachlorobutadiene	ND		ug/l	10	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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-03	Date Collected:	04/27/10 10:36
Client ID:	MW-3-BR	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Diethyl phthalate	ND		ug/l	5.0	1
Dimethyl phthalate	ND		ug/l	5.0	1
Benzo(a)anthracene	ND		ug/l	5.0	1
Benzo(a)pyrene	ND		ug/l	5.0	1
Benzo(b)fluoranthene	ND		ug/l	5.0	1
Benzo(k)fluoranthene	ND		ug/l	5.0	1
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
Indeno(1,2,3-cd)Pyrene	ND		ug/l	7.0	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
Pentachlorophenol	ND		ug/l	10	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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-03	Date Collected:	04/27/10 10:36
Client ID:	MW-3-BR	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
2,6-Dichlorophenol	ND		ug/l	10	1
Benzyl Alcohol	ND		ug/l	10	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	99		10-120
4-Terphenyl-d14	87		33-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-03	Date Collected:	04/27/10 10:36
Client ID:	MW-3-BR	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 02:02
Analytical Date:	05/01/10 17:13		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RDL	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	83		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	111		10-120
4-Terphenyl-d14	95		33-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-04	Date Collected:	04/27/10 10:36
Client ID:	DUPLICATE (3-BR)	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 01:59
Analytical Date:	04/30/10 22:12		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RDL	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
Hexachlorobenzene	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
Hexachlorobutadiene	ND		ug/l	10	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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-04	Date Collected:	04/27/10 10:36
Client ID:	DUPLICATE (3-BR)	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Diethyl phthalate	ND		ug/l	5.0	1
Dimethyl phthalate	ND		ug/l	5.0	1
Benzo(a)anthracene	ND		ug/l	5.0	1
Benzo(a)pyrene	ND		ug/l	5.0	1
Benzo(b)fluoranthene	ND		ug/l	5.0	1
Benzo(k)fluoranthene	ND		ug/l	5.0	1
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
Indeno(1,2,3-cd)Pyrene	ND		ug/l	7.0	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
Pentachlorophenol	ND		ug/l	10	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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-04	Date Collected:	04/27/10 10:36
Client ID:	DUPLICATE (3-BR)	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
2,6-Dichlorophenol	ND		ug/l	10	1
Benzyl Alcohol	ND		ug/l	10	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	91		10-120
4-Terphenyl-d14	79		33-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-04	Date Collected:	04/27/10 10:36
Client ID:	DUPLICATE (3-BR)	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 02:02
Analytical Date:	05/01/10 17:42		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RDL	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	79		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	110		10-120
4-Terphenyl-d14	86		33-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-05	Date Collected:	04/27/10 11:18
Client ID:	MW-3-S	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 01:59
Analytical Date:	04/30/10 22:36		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RDL	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
Hexachlorobenzene	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
Hexachlorobutadiene	ND		ug/l	10	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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-05	Date Collected:	04/27/10 11:18
Client ID:	MW-3-S	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Diethyl phthalate	ND		ug/l	5.0	1
Dimethyl phthalate	ND		ug/l	5.0	1
Benzo(a)anthracene	ND		ug/l	5.0	1
Benzo(a)pyrene	ND		ug/l	5.0	1
Benzo(b)fluoranthene	ND		ug/l	5.0	1
Benzo(k)fluoranthene	ND		ug/l	5.0	1
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
Indeno(1,2,3-cd)Pyrene	ND		ug/l	7.0	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
Pentachlorophenol	ND		ug/l	10	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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-05	Date Collected:	04/27/10 11:18
Client ID:	MW-3-S	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
2,6-Dichlorophenol	ND		ug/l	10	1
Benzyl Alcohol	ND		ug/l	10	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	73		33-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-05	Date Collected:	04/27/10 11:18
Client ID:	MW-3-S	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 02:02
Analytical Date:	05/01/10 18:10		
Analyst:	AS		

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	94		10-120
4-Terphenyl-d14	84		33-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-06	Date Collected:	04/27/10 13:13
Client ID:	MW-12-S	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 02:02
Analytical Date:	05/01/10 18:40		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RDL	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	29		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	103		10-120
4-Terphenyl-d14	90		33-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-06	Date Collected:	04/27/10 13:13
Client ID:	MW-12-S	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 01:59
Analytical Date:	05/03/10 22:21		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RDL	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
Hexachlorobenzene	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
Hexachlorobutadiene	ND		ug/l	10	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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-06	Date Collected:	04/27/10 13:13
Client ID:	MW-12-S	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Diethyl phthalate	ND		ug/l	5.0	1
Dimethyl phthalate	ND		ug/l	5.0	1
Benzo(a)anthracene	ND		ug/l	5.0	1
Benzo(a)pyrene	ND		ug/l	5.0	1
Benzo(b)fluoranthene	ND		ug/l	5.0	1
Benzo(k)fluoranthene	ND		ug/l	5.0	1
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
Indeno(1,2,3-cd)Pyrene	ND		ug/l	7.0	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
Pentachlorophenol	ND		ug/l	10	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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-06	Date Collected:	04/27/10 13:13
Client ID:	MW-12-S	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
2,6-Dichlorophenol	ND		ug/l	10	1
Benzyl Alcohol	ND		ug/l	10	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	104		10-120
4-Terphenyl-d14	96		33-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-07	Date Collected:	04/27/10 13:42
Client ID:	MW-12-DO	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 02:02
Analytical Date:	05/01/10 19:08		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RDL	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	31		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	117		10-120
4-Terphenyl-d14	86		33-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-07	Date Collected:	04/27/10 13:42
Client ID:	MW-12-DO	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 01:59
Analytical Date:	05/03/10 18:45		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RDL	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
Hexachlorobenzene	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
Hexachlorobutadiene	ND		ug/l	10	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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-07	Date Collected:	04/27/10 13:42
Client ID:	MW-12-DO	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Diethyl phthalate	ND		ug/l	5.0	1
Dimethyl phthalate	ND		ug/l	5.0	1
Benzo(a)anthracene	ND		ug/l	5.0	1
Benzo(a)pyrene	ND		ug/l	5.0	1
Benzo(b)fluoranthene	ND		ug/l	5.0	1
Benzo(k)fluoranthene	ND		ug/l	5.0	1
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
Indeno(1,2,3-cd)Pyrene	ND		ug/l	7.0	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
Pentachlorophenol	ND		ug/l	10	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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-07	Date Collected:	04/27/10 13:42
Client ID:	MW-12-DO	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
2,6-Dichlorophenol	ND		ug/l	10	1
Benzyl Alcohol	ND		ug/l	10	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	94		10-120
4-Terphenyl-d14	103		33-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-09	Date Collected:	04/27/10 09:43
Client ID:	MW-4-DO	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 02:02
Analytical Date:	05/01/10 19:38		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RDL	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	33		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	111		10-120
4-Terphenyl-d14	93		33-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-09	Date Collected:	04/27/10 09:43
Client ID:	MW-4-DO	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 01:59
Analytical Date:	05/03/10 19:08		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RDL	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
Hexachlorobenzene	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
Hexachlorobutadiene	ND		ug/l	10	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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-09	Date Collected:	04/27/10 09:43
Client ID:	MW-4-DO	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Diethyl phthalate	ND		ug/l	5.0	1
Dimethyl phthalate	ND		ug/l	5.0	1
Benzo(a)anthracene	ND		ug/l	5.0	1
Benzo(a)pyrene	ND		ug/l	5.0	1
Benzo(b)fluoranthene	ND		ug/l	5.0	1
Benzo(k)fluoranthene	ND		ug/l	5.0	1
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
Indeno(1,2,3-cd)Pyrene	ND		ug/l	7.0	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
Pentachlorophenol	ND		ug/l	10	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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-09	Date Collected:	04/27/10 09:43
Client ID:	MW-4-DO	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
2,6-Dichlorophenol	ND		ug/l	10	1
Benzyl Alcohol	ND		ug/l	10	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	95		10-120
4-Terphenyl-d14	102		33-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-10	Date Collected:	04/27/10 14:24
Client ID:	MW-7-BR	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 02:02
Analytical Date:	05/01/10 10:26		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RDL	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	29		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	78		33-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-10	Date Collected:	04/27/10 14:24
Client ID:	MW-7-BR	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 01:59
Analytical Date:	05/03/10 17:58		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RDL	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
Hexachlorobenzene	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
Hexachlorobutadiene	ND		ug/l	10	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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-10	Date Collected:	04/27/10 14:24
Client ID:	MW-7-BR	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Diethyl phthalate	ND		ug/l	5.0	1
Dimethyl phthalate	ND		ug/l	5.0	1
Benzo(a)anthracene	ND		ug/l	5.0	1
Benzo(a)pyrene	ND		ug/l	5.0	1
Benzo(b)fluoranthene	ND		ug/l	5.0	1
Benzo(k)fluoranthene	ND		ug/l	5.0	1
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
Indeno(1,2,3-cd)Pyrene	ND		ug/l	7.0	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
Pentachlorophenol	ND		ug/l	10	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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-10	Date Collected:	04/27/10 14:24
Client ID:	MW-7-BR	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
2,6-Dichlorophenol	ND		ug/l	10	1
Benzyl Alcohol	ND		ug/l	10	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	91		10-120
4-Terphenyl-d14	95		33-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-11	Date Collected:	04/27/10 14:23
Client ID:	MW-7-DO	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 02:02
Analytical Date:	05/01/10 10:55		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RDL	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	51		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	89		10-120
4-Terphenyl-d14	92		33-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-11	Date Collected:	04/27/10 14:23
Client ID:	MW-7-DO	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 01:59
Analytical Date:	05/03/10 18:21		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RDL	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
Hexachlorobenzene	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
Hexachlorobutadiene	ND		ug/l	10	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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-11	Date Collected:	04/27/10 14:23
Client ID:	MW-7-DO	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Diethyl phthalate	ND		ug/l	5.0	1
Dimethyl phthalate	ND		ug/l	5.0	1
Benzo(a)anthracene	ND		ug/l	5.0	1
Benzo(a)pyrene	ND		ug/l	5.0	1
Benzo(b)fluoranthene	ND		ug/l	5.0	1
Benzo(k)fluoranthene	ND		ug/l	5.0	1
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
Indeno(1,2,3-cd)Pyrene	ND		ug/l	7.0	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
Pentachlorophenol	ND		ug/l	10	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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006106-11	Date Collected:	04/27/10 14:23
Client ID:	MW-7-DO	Date Received:	04/27/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
2,6-Dichlorophenol	ND		ug/l	10	1
Benzyl Alcohol	ND		ug/l	10	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	93		10-120
4-Terphenyl-d14	98		33-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 05/01/10 12:36
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 04/30/10 01:59

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07,09-11 Batch: WG410518-1				
Acenaphthene	ND		ug/l	5.0
Benzidine	ND		ug/l	50
1,2,4-Trichlorobenzene	ND		ug/l	5.0
Hexachlorobenzene	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
Hexachlorobutadiene	ND		ug/l	10
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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 05/01/10 12:36
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 04/30/10 01:59

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07,09-11 Batch: WG410518-1				
Dimethyl phthalate	ND		ug/l	5.0
Benzo(a)anthracene	ND		ug/l	5.0
Benzo(a)pyrene	ND		ug/l	5.0
Benzo(b)fluoranthene	ND		ug/l	5.0
Benzo(k)fluoranthene	ND		ug/l	5.0
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
Indeno(1,2,3-cd)Pyrene	ND		ug/l	7.0
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

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 05/01/10 12:36
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 04/30/10 01:59

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07,09-11 Batch: WG410518-1				
Pentachlorophenol	ND		ug/l	10
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
2,6-Dichlorophenol	ND		ug/l	10
Benzyl Alcohol	ND		ug/l	10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	85		10-120
4-Terphenyl-d14	99		33-120

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 05/01/10 11:27
Analyst: AS

Extraction Method: EPA 3510C
Extraction Date: 04/30/10 02:02

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-07,09-11 Batch: WG410519-1				
Hexachlorobutadiene	ND		ug/l	0.50
Benzo(a)anthracene	ND		ug/l	0.20
Benzo(a)pyrene	0.28		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	42		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	56		15-120
2,4,6-Tribromophenol	93		10-120
4-Terphenyl-d14	90		33-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1006106
Report Date: 05/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07,09-11 Batch: WG410518-2 WG410518-3								
Acenaphthene	88		81		37-111	8		30
1,2,4-Trichlorobenzene	52		40		39-98	26		30
1,4-Dichlorobenzene	48		39		36-97	21		30
2,4-Dinitrotoluene	**111**	Q	**107**	Q	24-96	4		30
n-Nitrosodi-n-propylamine	93		92		41-116	1		30
Pyrene	103		109		26-127	6		30
P-Chloro-M-Cresol	**104**	Q	**99**	Q	23-97	5		30
2-Chlorophenol	82		78		27-123	5		30
4-Nitrophenol	58		52		10-80	11		30
Pentachlorophenol	**105**	Q	101		9-103	4		30
Phenol	43		42		12-110	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		49		21-120
Phenol-d6	36		35		10-120
Nitrobenzene-d5	76		82		23-120
2-Fluorobiphenyl	87		86		15-120
2,4,6-Tribromophenol	107		106		10-120
4-Terphenyl-d14	92		114		33-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1006106
Report Date: 05/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-07,09-11 Batch: WG410519-2 WG410519-3								
Pentachlorophenol	82		91		9-103	10		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	46		50		21-120
Phenol-d6	33		37		10-120
Nitrobenzene-d5	82		92		23-120
2-Fluorobiphenyl	76		77		15-120
2,4,6-Tribromophenol	93		90		10-120
4-Terphenyl-d14	95		89		33-120

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1006106
Report Date: 05/07/10

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): 01-07,09-11 QC Batch ID: WG410518-4 WG410518-5 QC Sample: L1006106-01 Client ID: MW-4-S												
Acenaphthene	ND	80	65	81		67	84		37-111	4		30
1,2,4-Trichlorobenzene	ND	80	46	58		46	58		39-98	0		30
1,4-Dichlorobenzene	ND	80	38	48		39	49		36-97	2		30
2,4-Dinitrotoluene	ND	80	63	79		67	84		24-96	6		30
n-Nitrosodi-n-propylamine	ND	80	71	89		80	100		41-116	12		30
Pyrene	ND	80	64	80		68	85		26-127	6		30
P-Chloro-M-Cresol	ND	80	72	90		77	96		23-97	6		30
2-Chlorophenol	ND	80	62	78		68	85		27-123	9		30
4-Nitrophenol	ND	80	49	61		53	66		10-80	8		30
Pentachlorophenol	ND	80	60	75		67	84		9-103	11		30
Phenol	ND	80	43	54		48	60		12-110	11		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	95		100		10-120
2-Fluorobiphenyl	87		83		15-120
2-Fluorophenol	65		65		21-120
4-Terphenyl-d14	85		83		33-120
Nitrobenzene-d5	95		97		23-120
Phenol-d6	60		58		10-120

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1006106
Report Date: 05/07/10

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): 01-07,09-11 QC Batch ID: WG410519-4 WG410519-5 QC Sample: L1006106-01 Client ID: MW-4-S												
Pentachlorophenol	ND	40	43	**110**	Q	51	**130**	Q	9-103	17		40

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	114		117		10-120
2-Fluorobiphenyl	109		102		15-120
2-Fluorophenol	75		72		21-120
4-Terphenyl-d14	96		101		33-120
Nitrobenzene-d5	99		100		23-120
Phenol-d6	58		59		10-120

METALS

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006106-01 Date Collected: 04/27/10 08:53

Client ID: MW-4-S Date Received: 04/27/10

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

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	ND		mg/l	0.010	1	04/29/10 11:15	04/30/10 18:40	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 18:40	EPA 3005A	1,6020	BM
Arsenic, Total	0.0007		mg/l	0.0005	1	04/29/10 11:15	04/30/10 18:40	EPA 3005A	1,6020	BM
Barium, Total	0.0183		mg/l	0.0005	1	05/01/10 13:50	05/04/10 22:25	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 18:40	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 18:40	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 18:40	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 18:40	EPA 3005A	1,6020	BM
Manganese, Total	2.452		mg/l	0.0010	1	04/29/10 11:15	04/30/10 18:40	EPA 3005A	1,6020	BM
Sodium, Total	7.2		mg/l	2.0	1	05/01/10 13:50	05/03/10 14:39	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 18:40	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 18:40	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	1	04/29/10 11:15	04/30/10 18:40	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006106-02 Date Collected: 04/27/10 09:57

Client ID: FIELD BLANK Date Received: 04/27/10

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

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	ND		mg/l	0.010	1	04/29/10 11:15	04/30/10 19:04	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 19:04	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 19:04	EPA 3005A	1,6020	BM
Barium, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 22:01	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 19:04	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 19:04	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 19:04	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 19:04	EPA 3005A	1,6020	BM
Manganese, Total	ND		mg/l	0.0010	1	04/29/10 11:15	04/30/10 19:04	EPA 3005A	1,6020	BM
Sodium, Total	ND		mg/l	2.0	1	05/01/10 13:50	05/03/10 15:03	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 19:04	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 19:04	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	1	04/29/10 11:15	04/30/10 19:04	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006106-03 Date Collected: 04/27/10 10:36

Client ID: MW-3-BR Date Received: 04/27/10

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

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	ND		mg/l	0.010	1	04/29/10 11:15	04/30/10 19:22	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 19:22	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 19:22	EPA 3005A	1,6020	BM
Barium, Total	0.0006		mg/l	0.0005	1	05/01/10 13:50	05/04/10 22:49	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 19:22	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 19:22	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 19:22	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 19:22	EPA 3005A	1,6020	BM
Manganese, Total	0.0069		mg/l	0.0010	1	04/29/10 11:15	04/30/10 19:22	EPA 3005A	1,6020	BM
Sodium, Total	14		mg/l	2.0	1	05/01/10 13:50	05/03/10 15:06	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 19:22	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 19:22	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	1	04/29/10 11:15	04/30/10 19:22	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006106-04 Date Collected: 04/27/10 10:36

Client ID: DUPLICATE (3-BR) Date Received: 04/27/10

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

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	ND		mg/l	0.010	1	04/29/10 11:15	04/30/10 19:28	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 19:28	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 19:28	EPA 3005A	1,6020	BM
Barium, Total	0.0006		mg/l	0.0005	1	05/01/10 13:50	05/04/10 22:55	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 19:28	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 19:28	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 19:28	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 19:28	EPA 3005A	1,6020	BM
Manganese, Total	0.0065		mg/l	0.0010	1	04/29/10 11:15	04/30/10 19:28	EPA 3005A	1,6020	BM
Sodium, Total	14		mg/l	2.0	1	05/01/10 13:50	05/03/10 15:10	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 19:28	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 19:28	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	1	04/29/10 11:15	04/30/10 19:28	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006106-05 Date Collected: 04/27/10 11:18

Client ID: MW-3-S Date Received: 04/27/10

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

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	ND		mg/l	0.010	1	05/01/10 13:50	05/04/10 23:01	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:01	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:01	EPA 3005A	1,6020	BM
Barium, Total	0.0080		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:01	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:01	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:01	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:01	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:01	EPA 3005A	1,6020	BM
Manganese, Total	0.4429		mg/l	0.0010	1	05/01/10 13:50	05/04/10 23:01	EPA 3005A	1,6020	BM
Sodium, Total	9.9		mg/l	2.0	1	05/01/10 13:50	05/03/10 15:13	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:01	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:01	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	1	05/01/10 13:50	05/04/10 23:01	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006106-06 Date Collected: 04/27/10 13:13

Client ID: MW-12-S Date Received: 04/27/10

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

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	0.038		mg/l	0.010	1	05/01/10 13:50	05/04/10 23:07	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:07	EPA 3005A	1,6020	BM
Arsenic, Total	0.0007		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:07	EPA 3005A	1,6020	BM
Barium, Total	0.0372		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:07	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:07	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:07	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:07	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:07	EPA 3005A	1,6020	BM
Manganese, Total	2.285		mg/l	0.0010	1	05/01/10 13:50	05/04/10 23:07	EPA 3005A	1,6020	BM
Sodium, Total	7.9		mg/l	2.0	1	05/01/10 13:50	05/03/10 15:16	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:07	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:07	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	1	05/01/10 13:50	05/04/10 23:07	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006106-07 Date Collected: 04/27/10 13:42

Client ID: MW-12-DO Date Received: 04/27/10

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

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	ND		mg/l	0.010	1	05/01/10 13:50	05/04/10 23:13	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:13	EPA 3005A	1,6020	BM
Arsenic, Total	0.0007		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:13	EPA 3005A	1,6020	BM
Barium, Total	0.0046		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:13	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:13	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:13	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:13	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:13	EPA 3005A	1,6020	BM
Manganese, Total	3.354		mg/l	0.0010	1	05/01/10 13:50	05/04/10 23:13	EPA 3005A	1,6020	BM
Sodium, Total	8.9		mg/l	2.0	1	05/01/10 13:50	05/03/10 15:19	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:13	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:13	EPA 3005A	1,6020	BM
Zinc, Total	0.0058		mg/l	0.0050	1	05/01/10 13:50	05/04/10 23:13	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006106-09 Date Collected: 04/27/10 09:43

Client ID: MW-4-DO Date Received: 04/27/10

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

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	ND		mg/l	0.010	1	05/01/10 13:50	05/04/10 23:31	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:31	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:31	EPA 3005A	1,6020	BM
Barium, Total	0.0358		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:31	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:31	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:31	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:31	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:31	EPA 3005A	1,6020	BM
Manganese, Total	1.256		mg/l	0.0010	1	05/01/10 13:50	05/04/10 23:31	EPA 3005A	1,6020	BM
Sodium, Total	12		mg/l	2.0	1	05/01/10 13:50	05/03/10 15:23	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:31	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:31	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	1	05/01/10 13:50	05/04/10 23:31	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006106-10 Date Collected: 04/27/10 14:24

Client ID: MW-7-BR Date Received: 04/27/10

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

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	0.027		mg/l	0.010	1	05/01/10 13:50	05/04/10 23:37	EPA 3005A	1,6020	BM
Antimony, Total	0.0011		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:37	EPA 3005A	1,6020	BM
Arsenic, Total	0.0009		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:37	EPA 3005A	1,6020	BM
Barium, Total	0.0168		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:37	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:37	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:37	EPA 3005A	1,6020	BM
Chromium, Total	0.0007		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:37	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:37	EPA 3005A	1,6020	BM
Manganese, Total	0.0036		mg/l	0.0010	1	05/01/10 13:50	05/04/10 23:37	EPA 3005A	1,6020	BM
Sodium, Total	59		mg/l	2.0	1	05/01/10 13:50	05/03/10 15:26	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:37	EPA 3005A	1,6020	BM
Vanadium, Total	0.0010		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:37	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	1	05/01/10 13:50	05/04/10 23:37	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006106-11 Date Collected: 04/27/10 14:23

Client ID: MW-7-DO Date Received: 04/27/10

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

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	1.41		mg/l	0.010	1	05/01/10 13:50	05/04/10 23:44	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:44	EPA 3005A	1,6020	BM
Arsenic, Total	0.001		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:44	EPA 3005A	1,6020	BM
Barium, Total	0.0291		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:44	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:44	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:44	EPA 3005A	1,6020	BM
Chromium, Total	0.0029		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:44	EPA 3005A	1,6020	BM
Lead, Total	0.002		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:44	EPA 3005A	1,6020	BM
Manganese, Total	0.7572		mg/l	0.0010	1	05/01/10 13:50	05/04/10 23:44	EPA 3005A	1,6020	BM
Sodium, Total	16		mg/l	2.0	1	05/01/10 13:50	05/03/10 15:49	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:44	EPA 3005A	1,6020	BM
Vanadium, Total	0.0049		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:44	EPA 3005A	1,6020	BM
Zinc, Total	0.0381		mg/l	0.0050	1	05/01/10 13:50	05/04/10 23:44	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006106-12 Date Collected: 04/27/10 09:00

Client ID: SW-9 Date Received: 04/27/10

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

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	0.133		mg/l	0.010	1	05/01/10 13:50	05/04/10 23:50	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:50	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:50	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:50	EPA 3005A	1,6020	BM
Copper, Total	0.0005		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:50	EPA 3005A	1,6020	BM
Iron, Total	0.298		mg/l	0.050	1	05/01/10 13:50	05/04/10 23:50	EPA 3005A	1,6020	BM
Lead, Total	0.0013		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:50	EPA 3005A	1,6020	BM
Manganese, Total	0.0377		mg/l	0.0010	1	05/01/10 13:50	05/04/10 23:50	EPA 3005A	1,6020	BM
Nickel, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:50	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:50	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	1	05/01/10 13:50	05/04/10 23:50	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab										
Hardness	9.1		mg/l	0.66	1	05/01/10 13:50	05/03/10 15:52	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab										
Aluminum, Dissolved	0.088		mg/l	0.010	1	04/29/10 11:15	04/30/10 17:34	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 17:34	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 17:34	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 17:34	EPA 3005A	1,6020	BM
Copper, Dissolved	0.0007		mg/l	0.0005	1	04/29/10 11:15	04/30/10 17:34	EPA 3005A	1,6020	BM
Iron, Dissolved	0.138		mg/l	0.050	1	04/29/10 11:15	04/30/10 17:34	EPA 3005A	1,6020	BM
Lead, Dissolved	0.0005		mg/l	0.0005	1	04/29/10 11:15	04/30/10 17:34	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.0226		mg/l	0.0010	1	04/29/10 11:15	04/30/10 17:34	EPA 3005A	1,6020	BM
Nickel, Dissolved	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 17:34	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 17:34	EPA 3005A	1,6020	BM
Zinc, Dissolved	0.0055		mg/l	0.0050	1	04/29/10 11:15	04/30/10 17:34	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006106-13 Date Collected: 04/27/10 09:00

Client ID: DUPLICATE (SW-9) Date Received: 04/27/10

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

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	0.136		mg/l	0.010	1	05/01/10 13:50	05/04/10 23:56	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:56	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:56	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:56	EPA 3005A	1,6020	BM
Copper, Total	0.0005		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:56	EPA 3005A	1,6020	BM
Iron, Total	0.301		mg/l	0.050	1	05/01/10 13:50	05/04/10 23:56	EPA 3005A	1,6020	BM
Lead, Total	0.0013		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:56	EPA 3005A	1,6020	BM
Manganese, Total	0.0386		mg/l	0.0010	1	05/01/10 13:50	05/04/10 23:56	EPA 3005A	1,6020	BM
Nickel, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:56	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 23:56	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	1	05/01/10 13:50	05/04/10 23:56	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab										
Hardness	9.3		mg/l	0.66	1	05/01/10 13:50	05/03/10 15:56	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab										
Aluminum, Dissolved	0.089		mg/l	0.010	1	04/29/10 11:15	04/30/10 17:40	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 17:40	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 17:40	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 17:40	EPA 3005A	1,6020	BM
Copper, Dissolved	0.0008		mg/l	0.0005	1	04/29/10 11:15	04/30/10 17:40	EPA 3005A	1,6020	BM
Iron, Dissolved	0.143		mg/l	0.050	1	04/29/10 11:15	04/30/10 17:40	EPA 3005A	1,6020	BM
Lead, Dissolved	0.0006		mg/l	0.0005	1	04/29/10 11:15	04/30/10 17:40	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.0246		mg/l	0.0010	1	04/29/10 11:15	04/30/10 17:40	EPA 3005A	1,6020	BM
Nickel, Dissolved	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 17:40	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 17:40	EPA 3005A	1,6020	BM
Zinc, Dissolved	0.0097		mg/l	0.0050	1	04/29/10 11:15	04/30/10 17:40	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006106-14 Date Collected: 04/27/10 11:10

Client ID: SW-17 Date Received: 04/27/10

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

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	0.206		mg/l	0.010	1	05/01/10 13:50	05/05/10 00:02	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/05/10 00:02	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/05/10 00:02	EPA 3005A	1,6020	BM
Chromium, Total	0.0005		mg/l	0.0005	1	05/01/10 13:50	05/05/10 00:02	EPA 3005A	1,6020	BM
Copper, Total	0.0023		mg/l	0.0005	1	05/01/10 13:50	05/05/10 00:02	EPA 3005A	1,6020	BM
Iron, Total	0.483		mg/l	0.050	1	05/01/10 13:50	05/05/10 00:02	EPA 3005A	1,6020	BM
Lead, Total	0.0010		mg/l	0.0005	1	05/01/10 13:50	05/05/10 00:02	EPA 3005A	1,6020	BM
Manganese, Total	0.0905		mg/l	0.0010	1	05/01/10 13:50	05/05/10 00:02	EPA 3005A	1,6020	BM
Nickel, Total	0.0014		mg/l	0.0005	1	05/01/10 13:50	05/05/10 00:02	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/05/10 00:02	EPA 3005A	1,6020	BM
Zinc, Total	0.0384		mg/l	0.0050	1	05/01/10 13:50	05/05/10 00:02	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab										
Hardness	15		mg/l	0.66	1	05/01/10 13:50	05/03/10 15:59	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab										
Aluminum, Dissolved	0.133		mg/l	0.010	1	04/29/10 11:15	04/30/10 17:46	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 17:46	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 17:46	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 17:46	EPA 3005A	1,6020	BM
Copper, Dissolved	0.0027		mg/l	0.0005	1	04/29/10 11:15	04/30/10 17:46	EPA 3005A	1,6020	BM
Iron, Dissolved	0.227		mg/l	0.050	1	04/29/10 11:15	04/30/10 17:46	EPA 3005A	1,6020	BM
Lead, Dissolved	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 17:46	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.0719		mg/l	0.0010	1	04/29/10 11:15	04/30/10 17:46	EPA 3005A	1,6020	BM
Nickel, Dissolved	0.0010		mg/l	0.0005	1	04/29/10 11:15	04/30/10 17:46	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 17:46	EPA 3005A	1,6020	BM
Zinc, Dissolved	0.4653		mg/l	0.0050	1	04/29/10 11:15	04/30/10 17:46	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006106-15 Date Collected: 04/27/10 13:20

Client ID: SW-4 Date Received: 04/27/10

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

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	0.148		mg/l	0.010	1	05/01/10 13:50	05/05/10 00:08	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/05/10 00:08	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/05/10 00:08	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/05/10 00:08	EPA 3005A	1,6020	BM
Copper, Total	0.0011		mg/l	0.0005	1	05/01/10 13:50	05/05/10 00:08	EPA 3005A	1,6020	BM
Iron, Total	0.275		mg/l	0.050	1	05/01/10 13:50	05/05/10 00:08	EPA 3005A	1,6020	BM
Lead, Total	0.0006		mg/l	0.0005	1	05/01/10 13:50	05/05/10 00:08	EPA 3005A	1,6020	BM
Manganese, Total	0.0739		mg/l	0.0010	1	05/01/10 13:50	05/05/10 00:08	EPA 3005A	1,6020	BM
Nickel, Total	0.0006		mg/l	0.0005	1	05/01/10 13:50	05/05/10 00:08	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/05/10 00:08	EPA 3005A	1,6020	BM
Zinc, Total	0.4656		mg/l	0.0050	1	05/01/10 13:50	05/05/10 00:08	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab										
Hardness	14		mg/l	0.66	1	05/01/10 13:50	05/03/10 16:02	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab										
Aluminum, Dissolved	0.112		mg/l	0.010	1	04/29/10 11:15	04/30/10 18:10	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 18:10	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 18:10	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 18:10	EPA 3005A	1,6020	BM
Copper, Dissolved	0.0011		mg/l	0.0005	1	04/29/10 11:15	04/30/10 18:10	EPA 3005A	1,6020	BM
Iron, Dissolved	0.164		mg/l	0.050	1	04/29/10 11:15	04/30/10 18:10	EPA 3005A	1,6020	BM
Lead, Dissolved	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 18:10	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.0619		mg/l	0.0010	1	04/29/10 11:15	04/30/10 18:10	EPA 3005A	1,6020	BM
Nickel, Dissolved	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 18:10	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 18:10	EPA 3005A	1,6020	BM
Zinc, Dissolved	0.1431		mg/l	0.0050	1	04/29/10 11:15	04/30/10 18:10	EPA 3005A	1,6020	BM

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-04 Batch: WG410409-1									
Aluminum, Total	ND		mg/l	0.010	1	04/29/10 11:15	04/30/10 17:04	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 17:04	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 17:04	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 17:04	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 17:04	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 17:04	1,6020	BM
Lead, Total	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 17:04	1,6020	BM
Manganese, Total	ND		mg/l	0.0010	1	04/29/10 11:15	04/30/10 17:04	1,6020	BM
Thallium, Total	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 17:04	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 17:04	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	1	04/29/10 11:15	04/30/10 17:04	1,6020	BM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 12-15 Batch: WG410411-1									
Aluminum, Dissolved	ND		mg/l	0.010	1	04/29/10 11:15	04/30/10 16:58	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 16:58	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 16:58	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 16:58	1,6020	BM
Copper, Dissolved	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 16:58	1,6020	BM
Iron, Dissolved	ND		mg/l	0.050	1	04/29/10 11:15	04/30/10 16:58	1,6020	BM
Lead, Dissolved	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 16:58	1,6020	BM
Manganese, Dissolved	ND		mg/l	0.0010	1	04/29/10 11:15	04/30/10 16:58	1,6020	BM
Nickel, Dissolved	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 16:58	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	1	04/29/10 11:15	04/30/10 16:58	1,6020	BM
Zinc, Dissolved	ND		mg/l	0.0050	1	04/29/10 11:15	04/30/10 16:58	1,6020	BM

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-07,09-15 Batch: WG410762-1									
Sodium, Total	ND		mg/l	2.0	1	05/01/10 13:50	05/03/10 14:29	1,6010B	AI

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Hardness by SM 2340B - Westborough Lab for sample(s): 01-07,09-15 Batch: WG410762-1									
Hardness	ND		mg/l	0.66	1	05/01/10 13:50	05/03/10 14:29	1,6010B	AI

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-07,09-15 Batch: WG410763-1									
Aluminum, Total	ND		mg/l	0.010	1	05/01/10 13:50	05/04/10 18:42	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 18:42	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 18:42	1,6020	BM
Barium, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 18:42	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 18:42	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 18:42	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 18:42	1,6020	BM
Copper, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 18:42	1,6020	BM
Iron, Total	ND		mg/l	0.050	1	05/01/10 13:50	05/04/10 18:42	1,6020	BM
Lead, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 18:42	1,6020	BM
Manganese, Total	ND		mg/l	0.0010	1	05/01/10 13:50	05/04/10 18:42	1,6020	BM
Nickel, Total	ND		mg/l	0.0005	1	05/01/10 13:50	05/04/10 18:42	1,6020	BM

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

Method Blank Analysis
Batch Quality Control

Silver, Total	ND	mg/l	0.0005	1	05/01/10 13:50	05/04/10 18:42	1,6020	BM
Thallium, Total	ND	mg/l	0.0005	1	05/01/10 13:50	05/04/10 18:42	1,6020	BM
Vanadium, Total	ND	mg/l	0.0005	1	05/01/10 13:50	05/04/10 18:42	1,6020	BM
Zinc, Total	ND	mg/l	0.0050	1	05/01/10 13:50	05/04/10 18:42	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: L1006106
Report Date: 05/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG410409-2								
Aluminum, Total	100		-		80-120	-		
Antimony, Total	101		-		80-120	-		
Arsenic, Total	103		-		80-120	-		
Beryllium, Total	104		-		80-120	-		
Cadmium, Total	119		-		80-120	-		
Chromium, Total	100		-		80-120	-		
Lead, Total	108		-		80-120	-		
Manganese, Total	103		-		80-120	-		
Thallium, Total	100		-		80-120	-		
Vanadium, Total	102		-		80-120	-		
Zinc, Total	110		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1006106
Report Date: 05/07/10

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 12-15 Batch: WG410411-2					
Aluminum, Dissolved	101	-	80-120	-	
Arsenic, Dissolved	102	-	80-120	-	
Cadmium, Dissolved	116	-	80-120	-	
Chromium, Dissolved	100	-	80-120	-	
Copper, Dissolved	110	-	80-120	-	
Iron, Dissolved	112	-	80-120	-	
Lead, Dissolved	108	-	80-120	-	
Manganese, Dissolved	103	-	80-120	-	
Nickel, Dissolved	107	-	80-120	-	
Silver, Dissolved	103	-	80-120	-	
Zinc, Dissolved	114	-	80-120	-	
Total Metals - Westborough Lab Associated sample(s): 01-07,09-15 Batch: WG410762-2					
Sodium, Total	98	-	80-120	-	
Total Hardness by SM 2340B - Westborough Lab Associated sample(s): 01-07,09-15 Batch: WG410762-2					
Hardness	92	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1006106
Report Date: 05/07/10

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-07,09-15 Batch: WG410763-2					
Aluminum, Total	90	-	80-120	-	
Antimony, Total	88	-	80-120	-	
Arsenic, Total	95	-	80-120	-	
Barium, Total	90	-	80-120	-	
Beryllium, Total	96	-	80-120	-	
Cadmium, Total	100	-	80-120	-	
Chromium, Total	91	-	80-120	-	
Copper, Total	95	-	80-120	-	
Iron, Total	96	-	80-120	-	
Lead, Total	99	-	80-120	-	
Manganese, Total	90	-	80-120	-	
Nickel, Total	95	-	80-120	-	
Silver, Total	92	-	80-120	-	
Thallium, Total	92	-	80-120	-	
Vanadium, Total	87	-	80-120	-	
Zinc, Total	96	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1006106
Report Date: 05/07/10

Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG410409-3 WG410409-4 QC Sample: L1006106-01 Client ID: MW-4-S

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Aluminum, Total	ND	2	1.96	98		1.94	97		80-120	1		20
Antimony, Total	ND	0.5	0.4912	98		0.4863	97		80-120	1		20
Arsenic, Total	0.0007	0.12	0.1270	105		0.1275	106		80-120	1		20
Beryllium, Total	ND	0.05	0.0508	102		0.0507	101		80-120	1		20
Cadmium, Total	ND	0.051	0.0597	117		0.0589	115		80-120	2		20
Chromium, Total	ND	0.2	0.1972	99		0.1970	98		80-120	1		20
Lead, Total	ND	0.51	0.5412	106		0.5405	106		80-120	0		20
Manganese, Total	2.452	0.5	3.164	**142**		3.133	**136**		80-120	4		20
Thallium, Total	ND	0.12	0.1176	98		0.1174	98		80-120	0		20
Vanadium, Total	ND	0.5	0.4747	95		0.4736	95		80-120	0		20
Zinc, Total	ND	0.5	0.5349	107		0.5357	107		80-120	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1006106
Report Date: 05/07/10

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): 12-15 QC Batch ID: WG410411-4 QC Sample: L1006106-15 Client ID: SW-4									
Aluminum, Dissolved	0.112	2	1.95	92	-	-	80-120	-	20
Arsenic, Dissolved	ND	0.12	0.1178	98	-	-	80-120	-	20
Cadmium, Dissolved	ND	0.051	0.0565	111	-	-	80-120	-	20
Chromium, Dissolved	ND	0.2	0.1875	94	-	-	80-120	-	20
Copper, Dissolved	0.0011	0.25	0.2618	104	-	-	80-120	-	20
Iron, Dissolved	0.164	1	1.17	101	-	-	80-120	-	20
Lead, Dissolved	ND	0.51	0.5226	102	-	-	80-120	-	20
Manganese, Dissolved	0.0619	0.5	0.5618	100	-	-	80-120	-	20
Nickel, Dissolved	ND	0.5	0.4992	100	-	-	80-120	-	20
Silver, Dissolved	ND	0.05	0.0483	96	-	-	80-120	-	20
Zinc, Dissolved	0.1431	0.5	0.6595	103	-	-	80-120	-	20
Total Metals - Westborough Lab Associated sample(s): 01-07,09-15 QC Batch ID: WG410762-3 WG410762-4 QC Sample: L1006106-01 Client ID: MW-4-S									
Sodium, Total	7.2	10	17	98	17	98	75-125	0	20
Total Hardness by SM 2340B - Westborough Lab Associated sample(s): 01-07,09-15 QC Batch ID: WG410762-3 WG410762-4 QC Sample: L1006106-01 Client ID: MW-4-S									
Hardness	19	66.2	79	91	78	89	75-125	2	20

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1006106
Report Date: 05/07/10

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): 01-07,09-15 QC Batch ID: WG410763-3 WG410763-4 QC Sample: L1006106-01 Client ID: MW-4-S										
Aluminum, Total	ND	2	1.96	98	1.78	89	80-120	10		20
Antimony, Total	ND	0.5	0.4773	95	0.4417	88	80-120	8		20
Arsenic, Total	0.0007	0.12	0.1270	105	0.1192	99	80-120	6		20
Barium, Total	0.0183	2	2.002	99	1.831	91	80-120	8		20
Beryllium, Total	ND	0.05	0.0516	103	0.0474	95	80-120	8		20
Cadmium, Total	ND	0.051	0.0561	110	0.0511	100	80-120	10		20
Chromium, Total	ND	0.2	0.1928	96	0.1755	88	80-120	9		20
Copper, Total	ND	0.25	0.2564	102	0.2321	93	80-120	9		20
Iron, Total	23.7	1	26.0	**230**	23.2	**0**	80-120	**311**	Q	20
Lead, Total	ND	0.51	0.5356	105	0.5033	99	80-120	6		20
Manganese, Total	2.488	0.5	3.157	**134**	2.881	**79**	80-120	**52**	Q	20
Nickel, Total	0.0010	0.5	0.5086	102	0.4607	92	80-120	10		20
Silver, Total	ND	0.05	0.0495	99	0.0469	94	80-120	5		20
Thallium, Total	ND	0.12	0.1178	98	0.1109	92	80-120	6		20
Vanadium, Total	ND	0.5	0.4711	94	0.4279	86	80-120	9		20
Zinc, Total	ND	0.5	0.5081	102	0.4636	93	80-120	9		20

Lab Duplicate Analysis
Batch Quality Control

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

Lab Number: L1006106
Report Date: 05/07/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 12-15 QC Batch ID: WG410411-3 QC Sample: L1006106-15 Client ID: SW-4						
Aluminum, Dissolved	0.112	0.118	mg/l	5		20
Arsenic, Dissolved	ND	ND	mg/l	NC		20
Cadmium, Dissolved	ND	ND	mg/l	NC		20
Chromium, Dissolved	ND	ND	mg/l	NC		20
Copper, Dissolved	0.0011	0.0013	mg/l	10		20
Iron, Dissolved	0.164	0.173	mg/l	5		20
Lead, Dissolved	ND	ND	mg/l	NC		20
Manganese, Dissolved	0.0619	0.0652	mg/l	5		20
Nickel, Dissolved	ND	ND	mg/l	NC		20
Silver, Dissolved	ND	ND	mg/l	NC		20
Zinc, Dissolved	0.1431	0.1473	mg/l	3		20

INORGANICS
&
MISCELLANEOUS

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

Lab Number: L1006106
Report Date: 05/07/10

SAMPLE RESULTS

Lab ID: L1006106-12
Client ID: SW-9
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 04/27/10 09:00
Date Received: 04/27/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Cyanide, Total	ND		mg/l	0.005	1	04/29/10 16:25	05/03/10 12:48	1,9010B/9012A	JO
Nitrogen, Ammonia	0.076		mg/l	0.075	1	04/28/10 13:00	04/29/10 23:10	30,4500NH3-BH	AT
Nitrogen, Nitrate	ND		mg/l	0.10	1	-	04/27/10 23:44	30,4500NO3-F	DD
Phosphorus, Total	ND		mg/l	0.010	1	-	05/04/10 15:16	30,4500P-E	ST
Sulfide	ND		mg/l	0.10	1	05/03/10 17:30	05/03/10 18:30	1,9030B	AT
Total Organic Carbon	4.0		mg/l	1.0	2	-	05/04/10 07:31	1,9060	DW

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

Lab Number: L1006106
Report Date: 05/07/10

SAMPLE RESULTS

Lab ID: L1006106-13
Client ID: DUPLICATE (SW-9)
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 04/27/10 09:00
Date Received: 04/27/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Cyanide, Total	ND		mg/l	0.005	1	04/29/10 16:25	05/03/10 12:49	1,9010B/9012A	JO
Nitrogen, Ammonia	ND		mg/l	0.075	1	04/28/10 13:00	04/29/10 23:11	30,4500NH3-BH	AT
Nitrogen, Nitrate	ND		mg/l	0.10	1	-	04/27/10 23:45	30,4500NO3-F	DD
Phosphorus, Total	ND		mg/l	0.010	1	-	05/04/10 15:16	30,4500P-E	ST
Sulfide	ND		mg/l	0.10	1	05/03/10 17:30	05/03/10 18:30	1,9030B	AT
Total Organic Carbon	4.2		mg/l	1.0	2	-	05/04/10 07:31	1,9060	DW

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

Lab Number: L1006106
Report Date: 05/07/10

SAMPLE RESULTS

Lab ID: L1006106-14
Client ID: SW-17
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 04/27/10 11:10
Date Received: 04/27/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Cyanide, Total	ND		mg/l	0.005	1	04/29/10 16:25	05/03/10 12:50	1,9010B/9012A	JO
Nitrogen, Ammonia	0.082		mg/l	0.075	1	04/28/10 13:00	04/29/10 23:12	30,4500NH3-BH	AT
Nitrogen, Nitrate	0.53		mg/l	0.10	1	-	04/27/10 23:48	30,4500NO3-F	DD
Phosphorus, Total	0.033		mg/l	0.010	1	-	05/04/10 15:16	30,4500P-E	ST
Sulfide	ND		mg/l	0.10	1	05/03/10 17:30	05/03/10 18:30	1,9030B	AT
Total Organic Carbon	6.4		mg/l	1.0	2	-	05/04/10 07:31	1,9060	DW

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

Lab Number: L1006106
Report Date: 05/07/10

SAMPLE RESULTS

Lab ID: L1006106-15
Client ID: SW-4
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 04/27/10 13:20
Date Received: 04/27/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Cyanide, Total	ND		mg/l	0.005	1	04/29/10 16:25	05/03/10 12:51	1,9010B/9012A	JO
Nitrogen, Ammonia	ND		mg/l	0.075	1	04/28/10 13:00	04/29/10 23:13	30,4500NH3-BH	AT
Nitrogen, Nitrate	0.55		mg/l	0.10	1	-	04/27/10 23:48	30,4500NO3-F	DD
Phosphorus, Total	ND		mg/l	0.010	1	-	05/04/10 15:17	30,4500P-E	ST
Sulfide	ND		mg/l	0.10	1	05/03/10 17:30	05/03/10 18:30	1,9030B	AT
Total Organic Carbon	6.4		mg/l	1.0	2	-	05/04/10 07:31	1,9060	DW

Project Name: ROSE HILL LANDFILL **Lab Number:** L1006106

Project Number: JI-1747 **Report Date:** 05/07/10

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 12-15 Batch: WG410064-2									
Nitrogen, Nitrate	ND		mg/l	0.10	1	-	04/27/10 23:35	30,4500NO3-F	DD
General Chemistry - Westborough Lab for sample(s): 12-15 Batch: WG410181-1									
Nitrogen, Ammonia	ND		mg/l	0.075	1	04/28/10 13:00	04/29/10 22:49	30,4500NH3-BH	AT
General Chemistry - Westborough Lab for sample(s): 12-15 Batch: WG410445-1									
Cyanide, Total	ND		mg/l	0.005	1	04/29/10 16:25	05/03/10 12:36	1,9010B/9012A	JO
General Chemistry - Westborough Lab for sample(s): 12-15 Batch: WG410990-1									
Sulfide	ND		mg/l	0.10	1	05/03/10 17:30	05/03/10 18:30	1,9030B	AT
General Chemistry - Westborough Lab for sample(s): 12-15 Batch: WG411094-1									
Phosphorus, Total	ND		mg/l	0.010	1	-	05/04/10 15:15	30,4500P-E	ST
General Chemistry - Westborough Lab for sample(s): 12-15 Batch: WG411163-1									
Total Organic Carbon	ND		mg/l	0.50	1	-	05/04/10 07:31	1,9060	DW

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1006106
Report Date: 05/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 12-15 Batch: WG410064-1								
Nitrogen, Nitrate	98		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 12-15 Batch: WG410181-2								
Nitrogen, Ammonia	98		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 12-15 Batch: WG410445-2								
Cyanide, Total	110		-		80-120	-		
General Chemistry - Westborough Lab Associated sample(s): 12-15 Batch: WG410990-2								
Sulfide	91		-		75-125	-		
General Chemistry - Westborough Lab Associated sample(s): 12-15 Batch: WG411094-2								
Phosphorus, Total	102		-		85-115	-		
General Chemistry - Westborough Lab Associated sample(s): 12-15 Batch: WG411163-2								
Total Organic Carbon	94		-		90-110	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1006106
Report Date: 05/07/10

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): 12-15 QC Batch ID: WG410064-3 QC Sample: L1006102-05 Client ID: MS Sample												
Nitrogen, Nitrate	ND	4	4.1	102		-	-		83-113	-		17
General Chemistry - Westborough Lab Associated sample(s): 12-15 QC Batch ID: WG410181-3 QC Sample: L1006073-02 Client ID: MS Sample												
Nitrogen, Ammonia	0.095	4	3.78	92		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 12-15 QC Batch ID: WG410445-3 WG410445-4 QC Sample: L1006173-01 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.223	112		0.220	110		80-120	2		30
General Chemistry - Westborough Lab Associated sample(s): 12-15 QC Batch ID: WG410990-3 QC Sample: L1006106-12 Client ID: SW-9												
Sulfide	ND	0.2	0.18	90		-	-		70-130	-		20
General Chemistry - Westborough Lab Associated sample(s): 12-15 QC Batch ID: WG411094-3 QC Sample: L1006106-12 Client ID: SW-9												
Phosphorus, Total	ND	0.5	0.520	104		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 12-15 QC Batch ID: WG411163-3 QC Sample: L1006207-14 Client ID: MS Sample												
Total Organic Carbon	ND	4	4.3	107		-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

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

Lab Number: L1006106
Report Date: 05/07/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 12-15 QC Batch ID: WG410064-4 QC Sample: L1006102-05 Client ID: DUP Sample						
Nitrogen, Nitrate	ND	ND	mg/l	NC		17
General Chemistry - Westborough Lab Associated sample(s): 12-15 QC Batch ID: WG410181-4 QC Sample: L1006073-01 Client ID: DUP Sample						
Nitrogen, Ammonia	2.45	2.39	mg/l	2		20
General Chemistry - Westborough Lab Associated sample(s): 12-15 QC Batch ID: WG410990-4 QC Sample: L1006106-13 Client ID: DUPLICATE (SW-9)						
Sulfide	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 12-15 QC Batch ID: WG411094-4 QC Sample: L1006335-02 Client ID: DUP Sample						
Phosphorus, Total	0.247	0.273	mg/l	10		20
General Chemistry - Westborough Lab Associated sample(s): 12-15 QC Batch ID: WG411163-4 QC Sample: L1006106-12 Client ID: SW-9						
Total Organic Carbon	4.0	4.1	mg/l	2		20

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

Lab Number: L1006106
Report Date: 05/07/10

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(*)
L1006106-01A	Amber 1000ml unpreserved	C	6	4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006106-01B	Amber 1000ml unpreserved	C	6	4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006106-01C	Plastic 250ml HNO3 preserved	B	<2	3.2	Y	Absent	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)
L1006106-01D	Plastic 250ml HNO3 preserved	B	<2	3.2	Y	Absent	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)
L1006106-01E	Plastic 250ml HNO3 preserved	B	<2	3.2	Y	Absent	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)
L1006106-01F	Amber 1000ml unpreserved	C	6	4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006106-01G	Amber 1000ml unpreserved	C	6	4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006106-01H	Amber 1000ml unpreserved	C	6	4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006106-01I	Amber 1000ml unpreserved	C	6	4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006106-01J	Vial HCl preserved	B	N/A	3.2	Y	Absent	8260(14)
L1006106-01K	Vial HCl preserved	B	N/A	3.2	Y	Absent	8260(14)
L1006106-01L	Vial HCl preserved	B	N/A	3.2	Y	Absent	8260(14)
L1006106-01M	Vial HCl preserved	B	N/A	3.2	Y	Absent	8260(14)
L1006106-01N	Vial HCl preserved	B	N/A	3.2	Y	Absent	8260(14)
L1006106-01O	Vial HCl preserved	B	N/A	3.2	Y	Absent	8260(14)

*Values in parentheses indicate holding time in days

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

Lab Number: L1006106
Report Date: 05/07/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1006106-02A	Amber 1000ml unpreserved	C	6	4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006106-02B	Amber 1000ml unpreserved	C	6	4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006106-02C	Plastic 250ml HNO3 preserved	B	<2	3.2	Y	Absent	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)
L1006106-02D	Vial HCl preserved	B	N/A	3.2	Y	Absent	8260(14)
L1006106-02E	Vial HCl preserved	B	N/A	3.2	Y	Absent	8260(14)
L1006106-03A	Amber 1000ml unpreserved	C	6	4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006106-03B	Amber 1000ml unpreserved	C	6	4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006106-03C	Plastic 250ml HNO3 preserved	B	<2	3.2	Y	Absent	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)
L1006106-03D	Vial HCl preserved	B	N/A	3.2	Y	Absent	8260(14)
L1006106-03E	Vial HCl preserved	B	N/A	3.2	Y	Absent	8260(14)
L1006106-04A	Amber 1000ml unpreserved	C	6	4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006106-04B	Amber 1000ml unpreserved	C	6	4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006106-04C	Plastic 250ml HNO3 preserved	B	<2	3.2	Y	Absent	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)
L1006106-04D	Vial HCl preserved	B	N/A	3.2	Y	Absent	8260(14)
L1006106-04E	Vial HCl preserved	B	N/A	3.2	Y	Absent	8260(14)
L1006106-05A	Amber 1000ml unpreserved	C	6	4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006106-05B	Amber 1000ml unpreserved	C	6	4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006106-05C	Plastic 250ml HNO3 preserved	B	<2	3.2	Y	Absent	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)
L1006106-05D	Vial HCl preserved	B	N/A	3.2	Y	Absent	8260(14)
L1006106-05E	Vial HCl preserved	B	N/A	3.2	Y	Absent	8260(14)
L1006106-06A	Amber 1000ml unpreserved	C	6	4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006106-06B	Amber 1000ml unpreserved	C	6	4	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: L1006106
Report Date: 05/07/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1006106-06C	Plastic 250ml HNO3 preserved	B	<2	3.2	Y	Absent	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)
L1006106-06D	Vial HCl preserved	B	N/A	3.2	Y	Absent	8260(14)
L1006106-06E	Vial HCl preserved	B	N/A	3.2	Y	Absent	8260(14)
L1006106-07A	Amber 1000ml unpreserved	C	6	4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006106-07B	Amber 1000ml unpreserved	C	6	4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006106-07C	Plastic 250ml HNO3 preserved	B	<2	3.2	Y	Absent	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)
L1006106-07D	Vial HCl preserved	B	N/A	3.2	Y	Absent	8260(14)
L1006106-07E	Vial HCl preserved	B	N/A	3.2	Y	Absent	8260(14)
L1006106-08A	Vial HCl preserved	B	N/A	3.2	Y	Absent	8260(14)
L1006106-08D	Vial HCl preserved	B	N/A	3.2	Y	Absent	8260(14)
L1006106-09A	Amber 1000ml unpreserved	C	6	4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006106-09B	Amber 1000ml unpreserved	C	6	4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006106-09C	Plastic 250ml HNO3 preserved	B	<2	3.2	Y	Absent	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)
L1006106-09D	Vial HCl preserved	B	N/A	3.2	Y	Absent	8260(14)
L1006106-09E	Vial HCl preserved	B	N/A	3.2	Y	Absent	8260(14)
L1006106-10A	Amber 1000ml unpreserved	C	6	4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006106-10B	Amber 1000ml unpreserved	C	6	4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006106-10C	Plastic 250ml HNO3 preserved	B	<2	3.2	Y	Absent	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)
L1006106-10D	Vial HCl preserved	B	N/A	3.2	Y	Absent	8260(14)
L1006106-10E	Vial HCl preserved	B	N/A	3.2	Y	Absent	8260(14)
L1006106-11A	Amber 1000ml unpreserved	C	6	4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006106-11B	Amber 1000ml unpreserved	C	6	4	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: L1006106
Report Date: 05/07/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1006106-11C	Plastic 250ml HNO3 preserved	B	<2	3.2	Y	Absent	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)
L1006106-11D	Vial HCl preserved	B	N/A	3.2	Y	Absent	8260(14)
L1006106-11E	Vial HCl preserved	B	N/A	3.2	Y	Absent	8260(14)
L1006106-12A	Vial H2SO4 preserved	B	N/A	3.2	Y	Absent	TOC-9060(28)
L1006106-12B	Vial H2SO4 preserved	B	N/A	3.2	Y	Absent	TOC-9060(28)
L1006106-12C	Plastic 250ml HNO3 preserved	C	<2	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)
L1006106-12D	Plastic 250ml HNO3 preserved	C	<2	4	Y	Absent	HARDT(180)
L1006106-12E	Plastic 250ml NaOH preserved	C	>12	4	Y	Absent	TCN-9010(14)
L1006106-12F	Plastic 250ml Zn Acetate/NaOH pr	C	>12	4	Y	Absent	SULFIDE-9030(7)
L1006106-12G	Plastic 250ml Zn Acetate/NaOH pr	C	>12	4	Y	Absent	SULFIDE-9030(7)
L1006106-12H	Plastic 250ml Zn Acetate/NaOH pr	C	>12	4	Y	Absent	SULFIDE-9030(7)
L1006106-12I	Plastic 250ml unpreserved	A	6	3.6	Y	Absent	NO3-4500(2)
L1006106-12J	Plastic 500ml H2SO4 preserved	C	<2	4	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1006106-12K	Plastic 500ml unpreserved	A	6	3.6	Y	Absent	-
L1006106-12X	Plastic 250ml HNO3 preserved spl	A	<2	3.6	Y	Absent	CU-6020S(180),MN-6020S(180),ZN-6020S(180),CR-6020S(180),FE-6020S(180),NI-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),AL-6020S(180),CD-6020S(180)
L1006106-13A	Vial H2SO4 preserved	B	N/A	3.2	Y	Absent	TOC-9060(28)
L1006106-13B	Vial H2SO4 preserved	B	N/A	3.2	Y	Absent	TOC-9060(28)
L1006106-13C	Plastic 250ml HNO3 preserved	C	<2	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)
L1006106-13D	Plastic 250ml HNO3 preserved	C	<2	4	Y	Absent	HARDT(180)
L1006106-13E	Plastic 250ml NaOH preserved	C	>12	4	Y	Absent	TCN-9010(14)
L1006106-13F	Plastic 250ml Zn Acetate/NaOH pr	C	>12	4	Y	Absent	SULFIDE-9030(7)
L1006106-13G	Plastic 250ml Zn Acetate/NaOH pr	C	>12	4	Y	Absent	SULFIDE-9030(7)
L1006106-13H	Plastic 250ml Zn Acetate/NaOH pr	C	>12	4	Y	Absent	SULFIDE-9030(7)
L1006106-13I	Plastic 250ml unpreserved	A	6	3.6	Y	Absent	NO3-4500(2)

*Values in parentheses indicate holding time in days

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

Lab Number: L1006106
Report Date: 05/07/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1006106-13J	Plastic 500ml H2SO4 preserved	C	<2	4	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1006106-13K	Plastic 500ml unpreserved	A	6	3.6	Y	Absent	-
L1006106-13X	Plastic 250ml HNO3 preserved spl	A	<2	3.6	Y	Absent	CU-6020S(180),MN-6020S(180),ZN-6020S(180),CR-6020S(180),FE-6020S(180),NI-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),AL-6020S(180),CD-6020S(180)
L1006106-14A	Vial H2SO4 preserved	B	N/A	3.2	Y	Absent	TOC-9060(28)
L1006106-14B	Vial H2SO4 preserved	B	N/A	3.2	Y	Absent	TOC-9060(28)
L1006106-14C	Plastic 250ml HNO3 preserved	C	<2	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)
L1006106-14D	Plastic 250ml HNO3 preserved	C	<2	4	Y	Absent	HARDT(180)
L1006106-14E	Plastic 250ml NaOH preserved	C	>12	4	Y	Absent	TCN-9010(14)
L1006106-14F	Plastic 250ml Zn Acetate/NaOH pr	C	>12	4	Y	Absent	SULFIDE-9030(7)
L1006106-14G	Plastic 250ml Zn Acetate/NaOH pr	C	>12	4	Y	Absent	SULFIDE-9030(7)
L1006106-14H	Plastic 250ml Zn Acetate/NaOH pr	C	>12	4	Y	Absent	SULFIDE-9030(7)
L1006106-14I	Plastic 250ml unpreserved	A	6	3.6	Y	Absent	NO3-4500(2)
L1006106-14J	Plastic 500ml H2SO4 preserved	C	<2	4	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1006106-14K	Plastic 500ml unpreserved	A	6	3.6	Y	Absent	-
L1006106-14X	Plastic 250ml HNO3 preserved spl	A	<2	3.6	Y	Absent	CU-6020S(180),MN-6020S(180),ZN-6020S(180),CR-6020S(180),FE-6020S(180),NI-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),AL-6020S(180),CD-6020S(180)
L1006106-15A	Vial H2SO4 preserved	B	N/A	3.2	Y	Absent	TOC-9060(28)
L1006106-15B	Vial H2SO4 preserved	B	N/A	3.2	Y	Absent	TOC-9060(28)
L1006106-15C	Plastic 250ml HNO3 preserved	C	<2	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)
L1006106-15D	Plastic 250ml HNO3 preserved	C	<2	4	Y	Absent	HARDT(180)
L1006106-15E	Plastic 250ml NaOH preserved	C	>12	4	Y	Absent	TCN-9010(14)
L1006106-15F	Plastic 250ml Zn Acetate/NaOH pr	C	>12	4	Y	Absent	SULFIDE-9030(7)
L1006106-15G	Plastic 250ml Zn Acetate/NaOH pr	C	>12	4	Y	Absent	SULFIDE-9030(7)
L1006106-15H	Plastic 250ml Zn Acetate/NaOH pr	C	>12	4	Y	Absent	SULFIDE-9030(7)
L1006106-15I	Plastic 250ml unpreserved	A	6	3.6	Y	Absent	NO3-4500(2)
L1006106-15J	Plastic 500ml H2SO4 preserved	C	<2	4	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: L1006106
Report Date: 05/07/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1006106-15K	Plastic 500ml unpreserved	A	6	3.6	Y	Absent	-
L1006106-15X	Plastic 250ml HNO3 preserved spl	A	<2	3.6	Y	Absent	CU-6020S(180),MN-6020S(180),ZN-6020S(180),CR-6020S(180),FE-6020S(180),NI-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),AL-6020S(180),CD-6020S(180)

*Values in parentheses indicate holding time in days

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1006106
Project Number:	JI-1747	**Report Date:**	05/07/10

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.
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.
RDL	· Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL 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.
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 RDL. (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 reported detection limit (RDL) for the sample.

Report Format: Data Usability Report

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1006106
Project Number:	JI-1747	**Report Date:**	05/07/10

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 March 16, 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: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium 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, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, 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), Reactivity. Organic Parameters: PCBs, 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, 9221E, 9222B, 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. Organic Parameters: 504.1, 524.2, SM 6251B.)
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.)

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.)

Utah Department of Health Certificate/Lab ID: AAMA. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: Chloride EPA 300.0)

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, 314, 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.)

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.)

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

Date Rec'd in Lab: 4/27/10

ALPHA Job #: L1006106

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

05071018:27

Client Information

Client: Louis Berger Group
Address: 295 Promenade St
Providence, RI 02908
Phone: 401 521-5980
Fax:
Email: shogne@louisbergerc.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Rose Hill Landfill
Project Location: S. Kingstown, RI
Project #: JI-1747
Project Manager: Chris Feeney
ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 5/6/10 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

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

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	SVOCs-8270	VOCs-8260	Total Metals	Sample Specific Comments	Total # Bottles
6106.1	mw4-S	4/27/10	8:53	GW	SLH	2	2	1		5
1	MS (mw 4-S)		8:53							
1	MSD (mw 4-S)		8:53							
2	Field Blank		9:57	W						
3	mw3-BK		10:36	GW						
4	Replicate (3-BK)		10:36							
5	mw3-S		11:18							
6	mw12-S		1:13							
7	mw12-DD		1:42							

Container Type	A	V	P
Preservative	A	B	C

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/27/10 3:55	[signature]	4/27/10 3:55
[signature]	4/27/10 1840	[signature]	4/27/10 1840

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 Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

CHAIN OF CUSTODY

PAGE 2 OF 3

Date Rec'd in Lab: 4/27/10

ALPHA Job #: L1006106

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

05071018:27

Client Information

Client: Louis Berger
Address: 295 Promenade St Providence, RI 02908
Phone: 401 521-5980
Fax:
Email: shoagne louisberger.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Rose Hill
Project Location: S Kingstown
Project #: J1-1747
Project Manager: C. Feeley
ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 5/6/10 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

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 8260	SVOCs 8270	Total Metals	Sample Specific Comments	TOTAL # BOTTLES
6106.8	Trip Blank	4/27/10	N/A	N/A	SJT	2	0	0		2
.9	MW-4-DO	↓	9:43	GW	↓	↓	2	1		5
.10	MW 7-BR	↓	2:24	↓	↓	↓	↓	↓		↓
.11	MW 7-DO	↓	2:23	↓	↓	↓	↓	↓		↓

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type	VAP
Preservative	BAC

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	4/27/10 3:55	[illegible]	4/27/10 15:55
[illegible]	4/27/10 1840	[illegible]	4/27/10 1840

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 Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

CHAIN OF CUSTODY

PAGE 3 OF 3

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/27/10

ALPHA Job #: L1006106

Client Information

Client: Louis Berger

Address: 295 Promenade St Providence, RI 02908

Phone: 401 521-5980

Fax:

Email: shogan@louisbergerco.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Rose Hill

Project Location: S. Kingstown

Project #: JL-1743

Project Manager: Chris Feeney

ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 5/6/10 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

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

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 (Nitrogen)	TCN	TOC	NO3	Dissolved metals (LF)	Metals	Hardness					Sample Specific Comments	TOTAL # BOTTLES
6106.12	SW-9	4/27/10	9:00	SW	SLA	3	1	1	2	1	1	1	1						11
13	Duplicate (SW-9)	↓	9:00	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓						↓
14	SW-17		11:10																
15	SW-4		1:20																

Container Type	P	P	P	V	P	P	P	P			
Preservative	N/E	D	E	D	A	A	C	C			

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	4/27/10 3:55	[illegible]	4/27/10 15:55
[illegible]	4/27/10 1840	[illegible]	4/27/10 1840

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 Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

05071018:27

ANALYTICAL REPORT

Lab Number:	L1006207
Client:	Louis A. Berger & Associates 295 Promenade Street Providence, RI 02908
ATTN:	Chris Feeney
Phone:	(401) 521-5980
Project Name:	ROSE HILL
Project Number:	JI-1747
Report Date:	05/07/10

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
Project Number: JI-1747

Lab Number: L1006207
Report Date: 05/07/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1006207-01	MW-11-S	S. KINGSTOWN	04/28/10 07:40
L1006207-02	MW-11-DO	S. KINGSTOWN	04/28/10 08:41
L1006207-03	MW-11-BR	S. KINGSTOWN	04/28/10 09:26
L1006207-04	MW-06-DO	S. KINGSTOWN	04/28/10 10:55
L1006207-05	DUPLICATE (MW-06)	S. KINGSTOWN	04/28/10 10:55
L1006207-06	MW-05S	S. KINGSTOWN	04/28/10 11:57
L1006207-07	MW 13-S	S. KINGSTOWN	04/28/10 12:51
L1006207-08	RES #11	S. KINGSTOWN	04/28/10 13:00
L1006207-09	DUPLICATE-RES (RES-11)	S. KINGSTOWN	04/28/10 13:00
L1006207-10	RES #10	S. KINGSTOWN	04/28/10 13:30
L1006207-11	RES #7	S. KINGSTOWN	04/28/10 14:10
L1006207-12	FIELD BLANK	S. KINGSTOWN	04/28/10 14:20
L1006207-13	TRIP BLANK	S. KINGSTOWN	04/28/10 00:00
L1006207-14	SW-12	S. KINGSTOWN	04/28/10 09:15

Project Name: ROSE HILL **Lab Number:** L1006207
Project Number: JI-1747 **Report Date:** 05/07/10

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 WG411635-1/-2 LCS/LCSD recoveries, associated with L1006207-01 through -06, are outside the acceptance criteria for Trichlorofluoromethane (LCS at 139%), trans-1,3-Dichloropropene (LCSD at 131%), Bromomethane (62%/60%), 1,2,3-Trichloropropane (LCSD at 134%), 1,1,1,2-Tetrachloroethane (LCS at 132%), and 1,2-Dibromo-3-chloropropane (141%), but within the overall method allowances.

The WG411635-4 LCS recovery, associated with L1006207-07 through -13, is below the acceptance criteria for Bromomethane (66%), but within the overall method allowances.

The WG411635-4/-5 LCS/LCSD RPD, associated with L1006207-07 through -13, is above the acceptance criteria for 2-Butanone (21%); however, the individual LCS/LCSD recoveries are within method limits.

The WG411635-7/-8 MS/MSD recoveries, associated with L1006207-01, are outside the acceptance criteria for Bromomethane (56%/66%) and Tetrahydrofuran (MSD at 158%). In addition, the associated MS/MSD RPD is above the acceptance criteria for Tetrahydrofuran (23%).

Project Name: ROSE HILL **Lab Number:** L1006207
Project Number: JI-1747 **Report Date:** 05/07/10

Case Narrative (continued)

The WG411635-7/-8 MS/MSD RPD, associated with L1006207-01, is above the acceptance criteria for Naphthalene (22%); however the individual MS/MSD recoveries are within method limits.

Semivolatile Organics

N-N-Dimethylformamide was not detected as a TIC in any sample.

WG410921: A laboratory duplicate and/or matrix spike, associated with L1006207-09, could not be performed due to insufficient sample volume available for analysis.

The WG411403-1 Method Blank, associated with L1006207-09, has a concentration above the reporting limit for Bis(2-ethylhexyl) phthalate. Since the sample was non-detect for this target analyte, no further actions were taken. The results of the original analysis are reported.

The WG410572-2/-3 LCS/LCSD recoveries, associated with L1006207-01 through -08, -10, -11 and -12, were above the acceptance criteria for P-Chloro-M-Cresol (102%/103%) and Pentachlorophenol (104%/104%); however, the associated samples were non-detect for these target compounds. The results of the original analysis are reported.

The WG411403-2/-3 LCS/LCSD recoveries, associated with L1006207-09, were above the acceptance criteria for 2,4-Dinitrotoluene (120%/121%), P-Chloro-M-Cresol (101%/107%), and Pentachlorophenol (115%/112%); however, the associated sample were non-detect for these target compounds. The results of the original analysis are reported.

Semivolatile Organics by SIM

The WG410573-2/-3 LCS/LCSD recoveries, associated with L1006207-01 through -08, -10, -11 and -12, were above the acceptance criteria for Pentachlorophenol (104%/107%); however, the associated samples were non-detect for this target compound. The results of the original analysis are reported.

The WG411345-2/-3 LCS/LCSD recoveries, associated with L1006207-09, were above the acceptance criteria for Pentachlorophenol (106%/120%); however, the associated sample was non-detect for this target compound. The results of the original analysis are reported.

The WG410573-4/-5 MS/MSD recoveries, associated with L1006207-01, were above the acceptance criteria for Pentachlorophenol (140%/140%).

Project Name:	ROSE HILL	**Lab Number:**	L1006207
Project Number:	JI-1747	**Report Date:**	05/07/10

Case Narrative (continued)

The surrogate recovery for the WG410573-4/-5 MS/MSD, associated with L1006207-01, is above the acceptance criteria for 2,4,6-Tribromophenol (127%/132%).

Total Metals

The WG410649-3/-4 MS/MSD recoveries, associated with L1006207-01, are invalid for Iron (560%/660%) and Manganese (143%/150%) because the sample concentration is greater than four times the spike amount added.

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

Authorized Signature: Elizabeth Simmons

Title: Technical Director/Representative

Date: 05/07/10

ORGANICS

VOLATILES

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-01	Date Collected:	04/28/10 07:40
Client ID:	MW-11-S	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	05/05/10 18:39		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
Methylene chloride	ND		ug/l	3.0	1
1,1-Dichloroethane	2.0		ug/l	0.75	1
Chloroform	ND		ug/l	0.75	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	1.8	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.75	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	1.7		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	1.6		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	10		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 **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-01	Date Collected:	04/28/10 07:40
Client ID:	MW-11-S	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	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	1.4		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	3.8		ug/l	2.5	1

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-01	Date Collected:	04/28/10 07:40
Client ID:	MW-11-S	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	112		70-130

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-02	Date Collected:	04/28/10 08:41
Client ID:	MW-11-DO	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	05/05/10 19:14		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RDL	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

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006207-02 Date Collected: 04/28/10 08:41

Client ID: MW-11-DO Date Received: 04/28/10

Sample Location: S. KINGSTOWN Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	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 **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-02	Date Collected:	04/28/10 08:41
Client ID:	MW-11-DO	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	107		70-130

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-03	Date Collected:	04/28/10 09:26
Client ID:	MW-11-BR	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	05/05/10 19:48		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RDL	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 **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-03	Date Collected:	04/28/10 09:26
Client ID:	MW-11-BR	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	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	5.1		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 **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-03	Date Collected:	04/28/10 09:26
Client ID:	MW-11-BR	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	109		70-130

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-04	Date Collected:	04/28/10 10:55
Client ID:	MW-06-DO	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	05/05/10 20:22		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
Methylene chloride	ND		ug/l	3.0	1
1,1-Dichloroethane	1.7		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	0.90		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	7.7		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

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006207-04 Date Collected: 04/28/10 10:55

Client ID: MW-06-DO Date Received: 04/28/10

Sample Location: S. KINGSTOWN Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	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	1.3		ug/l	0.50	1
p-Isopropyltoluene	ND		ug/l	0.50	1
Naphthalene	ND		ug/l	2.5	1
n-Propylbenzene	ND		ug/l	0.50	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	1
Ethyl ether	2.8		ug/l	2.5	1

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-04	Date Collected:	04/28/10 10:55
Client ID:	MW-06-DO	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	109		70-130

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-05	Date Collected:	04/28/10 10:55
Client ID:	DUPLICATE (MW-06)	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	05/05/10 20:56		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RDL	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	0.84		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	1.1		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	7.0		ug/l	1.0	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	1
Trichloroethene	ND		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.5	1
1,3-Dichlorobenzene	ND		ug/l	2.5	1

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006207-05 Date Collected: 04/28/10 10:55

Client ID: DUPLICATE (MW-06) Date Received: 04/28/10

Sample Location: S. KINGSTOWN Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	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	1.3		ug/l	0.50	1
p-Isopropyltoluene	ND		ug/l	0.50	1
Naphthalene	ND		ug/l	2.5	1
n-Propylbenzene	ND		ug/l	0.50	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	1
Ethyl ether	2.6		ug/l	2.5	1

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-05	Date Collected:	04/28/10 10:55
Client ID:	DUPLICATE (MW-06)	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	109		70-130

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-06	Date Collected:	04/28/10 11:57
Client ID:	MW-05S	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	05/05/10 21:30		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RDL	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 **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006207-06 Date Collected: 04/28/10 11:57

Client ID: MW-05S Date Received: 04/28/10

Sample Location: S. KINGSTOWN Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	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 **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-06	Date Collected:	04/28/10 11:57
Client ID:	MW-05S	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	126		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	113		70-130

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-07	Date Collected:	04/28/10 12:51
Client ID:	MW 13-S	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	05/06/10 13:05		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RDL	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 **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-07	Date Collected:	04/28/10 12:51
Client ID:	MW 13-S	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	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 **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-07	Date Collected:	04/28/10 12:51
Client ID:	MW 13-S	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	103		70-130

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-08	Date Collected:	04/28/10 13:00
Client ID:	RES #11	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	05/06/10 13:38		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RDL	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 **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006207-08 Date Collected: 04/28/10 13:00

Client ID: RES #11 Date Received: 04/28/10

Sample Location: S. KINGSTOWN Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	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 **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-08	Date Collected:	04/28/10 13:00
Client ID:	RES #11	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	107		70-130

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-09	Date Collected:	04/28/10 13:00
Client ID:	DUPLICATE-RES (RES-11)	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	05/06/10 14:11		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RDL	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 **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006207-09 Date Collected: 04/28/10 13:00

Client ID: DUPLICATE-RES (RES-11) Date Received: 04/28/10

Sample Location: S. KINGSTOWN Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	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 **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-09	Date Collected:	04/28/10 13:00
Client ID:	DUPLICATE-RES (RES-11)	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	105		70-130

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-10	Date Collected:	04/28/10 13:30
Client ID:	RES #10	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	05/06/10 14:45		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RDL	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 **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006207-10 Date Collected: 04/28/10 13:30

Client ID: RES #10 Date Received: 04/28/10

Sample Location: S. KINGSTOWN Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	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 **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-10	Date Collected:	04/28/10 13:30
Client ID:	RES #10	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	106		70-130

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-11	Date Collected:	04/28/10 14:10
Client ID:	RES #7	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	05/06/10 15:19		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RDL	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 **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-11	Date Collected:	04/28/10 14:10
Client ID:	RES #7	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/l	2.5	1
Methyl tert butyl ether	2.2		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 **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-11	Date Collected:	04/28/10 14:10
Client ID:	RES #7	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	108		70-130

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-12	Date Collected:	04/28/10 14:20
Client ID:	FIELD BLANK	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	05/06/10 15:53		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RDL	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 **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006207-12 Date Collected: 04/28/10 14:20

Client ID: FIELD BLANK Date Received: 04/28/10

Sample Location: S. KINGSTOWN Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	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 **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-12	Date Collected:	04/28/10 14:20
Client ID:	FIELD BLANK	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	126		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	108		70-130

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-13	Date Collected:	04/28/10 00:00
Client ID:	TRIP BLANK	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	05/06/10 16:28		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RDL	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 **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006207-13 Date Collected: 04/28/10 00:00

Client ID: TRIP BLANK Date Received: 04/28/10

Sample Location: S. KINGSTOWN Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	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 **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-13	Date Collected:	04/28/10 00:00
Client ID:	TRIP BLANK	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	126		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	107		70-130

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 05/05/10 12:11
Analyst: MM

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG411635-3				
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 **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 05/05/10 12:11
Analyst: MM

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG411635-3				
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 **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 05/05/10 12:11
Analyst: MM

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG411635-3				
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	119		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	103		70-130

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 05/06/10 11:25
Analyst: MM

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-13 Batch: WG411635-6				
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 **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 05/06/10 11:25
Analyst: MM

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-13 Batch: WG411635-6				
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	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 **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 05/06/10 11:25
Analyst: MM

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-13 Batch: WG411635-6				
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	117		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006207
Report Date: 05/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG411635-1 WG411635-2								
Methylene chloride	107		103		70-130	4		20
1,1-Dichloroethane	116		111		70-130	4		20
Chloroform	116		113		70-130	3		20
Carbon tetrachloride	119		116		70-130	3		20
1,2-Dichloropropane	111		106		70-130	5		20
Dibromochloromethane	109		111		70-130	2		20
1,1,2-Trichloroethane	124		125		70-130	1		20
Tetrachloroethene	110		108		70-130	2		20
Chlorobenzene	112		107		75-130	5		20
Trichlorofluoromethane	**139**	Q	126		70-130	10		20
1,2-Dichloroethane	122		124		70-130	2		20
1,1,1-Trichloroethane	118		114		70-130	3		20
Bromodichloromethane	122		123		70-130	1		20
trans-1,3-Dichloropropene	128		**131**	Q	70-130	2		20
cis-1,3-Dichloropropene	97		99		70-130	2		20
1,1-Dichloropropene	113		107		70-130	5		20
Bromoform	94		105		70-130	11		20
1,1,2,2-Tetrachloroethane	108		115		70-130	6		20
Benzene	113		106		76-127	6		20
Toluene	111		109		76-125	2		20
Ethylbenzene	119		116		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006207
Report Date: 05/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG411635-1 WG411635-2								
Chloromethane	95		85		70-130	11		20
Bromomethane	**62**	Q	**60**	Q	70-130	3		20
Vinyl chloride	116		106		70-130	9		20
Chloroethane	115		94		70-130	20		20
1,1-Dichloroethene	111		113		61-145	2		20
trans-1,2-Dichloroethene	112		105		70-130	6		20
Trichloroethene	108		104		71-120	4		20
1,2-Dichlorobenzene	109		110		70-130	1		20
1,3-Dichlorobenzene	110		108		70-130	2		20
1,4-Dichlorobenzene	110		109		70-130	1		20
Methyl tert butyl ether	95		101		70-130	6		20
p/m-Xylene	118		112		70-130	5		20
o-Xylene	110		107		70-130	3		20
cis-1,2-Dichloroethene	114		106		70-130	7		20
Dibromomethane	117		118		70-130	1		20
1,2,3-Trichloropropane	121		**134**	Q	70-130	10		20
Styrene	108		105		70-130	3		20
Dichlorodifluoromethane	116		109		70-130	6		20
Acetone	117		104		70-130	12		20
Carbon disulfide	78		73		70-130	7		20
2-Butanone	110		114		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006207
Report Date: 05/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG411635-1 WG411635-2								
4-Methyl-2-pentanone	102		111		70-130	8		20
2-Hexanone	113		120		70-130	6		20
Bromochloromethane	113		112		70-130	1		20
Tetrahydrofuran	90		99		70-130	10		20
2,2-Dichloropropane	120		115		70-130	4		20
1,2-Dibromoethane	113		124		70-130	9		20
1,3-Dichloropropane	121		126		70-130	4		20
1,1,1,2-Tetrachloroethane	**132**	Q	128		70-130	3		20
Bromobenzene	101		103		70-130	2		20
n-Butylbenzene	114		110		70-130	4		20
sec-Butylbenzene	113		109		70-130	4		20
tert-Butylbenzene	114		112		70-130	2		20
o-Chlorotoluene	104		104		70-130	0		20
p-Chlorotoluene	108		109		70-130	1		20
1,2-Dibromo-3-chloropropane	119		**141**	Q	70-130	17		20
Hexachlorobutadiene	114		106		70-130	7		20
Isopropylbenzene	115		111		70-130	4		20
p-Isopropyltoluene	114		111		70-130	3		20
Naphthalene	110		122		70-130	10		20
n-Propylbenzene	105		105		70-130	0		20
1,2,3-Trichlorobenzene	117		126		70-130	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006207
Report Date: 05/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG411635-1 WG411635-2								
1,2,4-Trichlorobenzene	114		120		70-130	5		20
1,3,5-Trimethylbenzene	105		106		70-130	1		20
1,2,4-Trimethylbenzene	114		113		70-130	1		20
Ethyl ether	89		98		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	113		113		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	90		95		70-130
Dibromofluoromethane	103		104		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006207
Report Date: 05/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-13 Batch: WG411635-4 WG411635-5								
Methylene chloride	91		88		70-130	3		20
1,1-Dichloroethane	102		96		70-130	6		20
Chloroform	103		99		70-130	4		20
Carbon tetrachloride	102		102		70-130	0		20
1,2-Dichloropropane	97		96		70-130	1		20
Dibromochloromethane	97		100		70-130	3		20
1,1,2-Trichloroethane	103		108		70-130	5		20
Tetrachloroethene	98		95		70-130	3		20
Chlorobenzene	100		96		75-130	4		20
Trichlorofluoromethane	111		106		70-130	5		20
1,2-Dichloroethane	109		109		70-130	0		20
1,1,1-Trichloroethane	102		98		70-130	4		20
Bromodichloromethane	111		110		70-130	1		20
trans-1,3-Dichloropropene	111		114		70-130	3		20
cis-1,3-Dichloropropene	87		89		70-130	2		20
1,1-Dichloropropene	97		94		70-130	3		20
Bromoform	84		92		70-130	9		20
1,1,2,2-Tetrachloroethane	94		99		70-130	5		20
Benzene	99		94		76-127	5		20
Toluene	98		94		76-125	4		20
Ethylbenzene	107		103		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006207
Report Date: 05/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-13 Batch: WG411635-4 WG411635-5								
Chloromethane	79		84		70-130	6		20
Bromomethane	**66**	Q	71		70-130	7		20
Vinyl chloride	97		95		70-130	2		20
Chloroethane	100		96		70-130	4		20
1,1-Dichloroethene	94		95		61-145	1		20
trans-1,2-Dichloroethene	91		91		70-130	0		20
Trichloroethene	94		92		71-120	2		20
1,2-Dichlorobenzene	100		97		70-130	3		20
1,3-Dichlorobenzene	102		96		70-130	6		20
1,4-Dichlorobenzene	101		98		70-130	3		20
Methyl tert butyl ether	92		99		70-130	7		20
p/m-Xylene	104		100		70-130	4		20
o-Xylene	108		103		70-130	5		20
cis-1,2-Dichloroethene	101		96		70-130	5		20
Dibromomethane	106		105		70-130	1		20
1,2,3-Trichloropropane	106		113		70-130	6		20
Styrene	106		101		70-130	5		20
Dichlorodifluoromethane	100		86		70-130	15		20
Acetone	126		127		70-130	1		20
Carbon disulfide	99		92		70-130	7		20
2-Butanone	101		125		70-130	**21**	Q	20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006207
Report Date: 05/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-13 Batch: WG411635-4 WG411635-5								
4-Methyl-2-pentanone	102		120		70-130	16		20
2-Hexanone	120		125		70-130	4		20
Bromochloromethane	97		97		70-130	0		20
Tetrahydrofuran	82		96		70-130	16		20
2,2-Dichloropropane	104		102		70-130	2		20
1,2-Dibromoethane	99		105		70-130	6		20
1,3-Dichloropropane	106		111		70-130	5		20
1,1,1,2-Tetrachloroethane	116		114		70-130	2		20
Bromobenzene	93		92		70-130	1		20
n-Butylbenzene	109		100		70-130	9		20
sec-Butylbenzene	105		97		70-130	8		20
tert-Butylbenzene	104		98		70-130	6		20
o-Chlorotoluene	96		93		70-130	3		20
p-Chlorotoluene	100		97		70-130	3		20
1,2-Dibromo-3-chloropropane	98		107		70-130	9		20
Hexachlorobutadiene	102		98		70-130	4		20
Isopropylbenzene	106		102		70-130	4		20
p-Isopropyltoluene	107		101		70-130	6		20
Naphthalene	86		100		70-130	15		20
n-Propylbenzene	96		94		70-130	2		20
1,2,3-Trichlorobenzene	95		106		70-130	11		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006207
Report Date: 05/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-13 Batch: WG411635-4 WG411635-5								
1,2,4-Trichlorobenzene	98		99		70-130	1		20
1,3,5-Trimethylbenzene	100		92		70-130	8		20
1,2,4-Trimethylbenzene	106		100		70-130	6		20
Ethyl ether	88		98		70-130	11		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	110		114		70-130
Toluene-d8	102		104		70-130
4-Bromofluorobenzene	90		95		70-130
Dibromofluoromethane	104		106		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006207
Report Date: 05/07/10

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): 01-13 QC Batch ID: WG411635-7 WG411635-8 QC Sample: L1006207-01 Client ID: MW-11-S												
Methylene chloride	ND	10	9.3	94		8.9	89		70-130	5		20
1,1-Dichloroethane	2.0	10	13	108		12	103		70-130	5		20
Chloroform	ND	10	11	106		10	101		70-130	5		20
Carbon tetrachloride	ND	10	12	119		11	109		70-130	9		20
1,2-Dichloropropane	ND	10	9.8	98		9.7	97		70-130	1		20
Dibromochloromethane	ND	10	9.4	94		9.3	93		70-130	1		20
1,1,2-Trichloroethane	ND	10	10	104		10	103		70-130	1		20
Tetrachloroethene	ND	10	11	106		9.8	98		70-130	8		20
Chlorobenzene	1.7	10	12	103		11	93		75-130	10		20
Trichlorofluoromethane	ND	10	12	121		11	115		70-130	5		20
1,2-Dichloroethane	ND	10	11	110		11	106		70-130	4		20
1,1,1-Trichloroethane	ND	10	11	114		10	105		70-130	8		20
Bromodichloromethane	ND	10	11	112		11	108		70-130	4		20
trans-1,3-Dichloropropene	ND	10	11	114		11	109		70-130	4		20
cis-1,3-Dichloropropene	ND	10	9.0	90		8.7	87		70-130	3		20
1,1-Dichloropropene	ND	10	11	109		10	100		70-130	9		20
Bromoform	ND	10	8.8	88		8.5	85		70-130	3		20
1,1,2,2-Tetrachloroethane	ND	10	9.1	91		9.3	93		70-130	2		20
Benzene	1.6	10	12	102		11	96		76-127	6		20
Toluene	ND	10	10	103		9.8	98		76-125	5		20
Ethylbenzene	ND	10	11	110		10	103		70-130	7		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006207
Report Date: 05/07/10

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): 01-13 QC Batch ID: WG411635-7 WG411635-8 QC Sample: L1006207-01 Client ID: MW-11-S												
Chloromethane	ND	10	9.0	90		10	105		70-130	15		20
Bromomethane	ND	10	5.6	**56**	Q	6.6	**66**	Q	70-130	16		20
Vinyl chloride	ND	10	10	103		11	108		70-130	5		20
Chloroethane	10	10	20	93		19	87		70-130	7		20
1,1-Dichloroethene	ND	10	9.7	97		9.5	95		61-145	2		20
trans-1,2-Dichloroethene	ND	10	10	106		9.7	98		70-130	8		20
Trichloroethene	ND	10	10	103		9.6	96		71-120	7		20
1,2-Dichlorobenzene	ND	10	10	100		9.7	97		70-130	3		20
1,3-Dichlorobenzene	ND	10	10	102		9.6	96		70-130	6		20
1,4-Dichlorobenzene	ND	10	11	110		10	103		70-130	7		20
Methyl tert butyl ether	ND	10	9.4	94		9.8	98		70-130	4		20
p/m-Xylene	ND	20	22	108		20	100		70-130	8		20
o-Xylene	ND	20	21	107		20	101		70-130	6		20
cis-1,2-Dichloroethene	ND	10	10	105		9.9	99		70-130	6		20
Dibromomethane	ND	10	10	100		10	101		70-130	1		20
1,2,3-Trichloropropane	ND	10	10	100		11	106		70-130	6		20
Styrene	ND	20	20	102		19	96		70-130	6		20
Dichlorodifluoromethane	ND	10	9.4	94		9.3	93		70-130	1		20
Acetone	ND	10	9.4	94		11	111		70-130	17		20
Carbon disulfide	ND	10	11	109		9.8	98		70-130	11		20
2-Butanone	ND	10	9.7	97		10	102		70-130	5		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006207
Report Date: 05/07/10

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): 01-13 QC Batch ID: WG411635-7 WG411635-8 QC Sample: L1006207-01 Client ID: MW-11-S												
4-Methyl-2-pentanone	ND	10	8.8	88		9.3	93		70-130	6		20
2-Hexanone	ND	10	9.9	99		11	111		70-130	11		20
Bromochloromethane	ND	10	9.9	99		9.7	97		70-130	2		20
Tetrahydrofuran	ND	10	12	126		16	**158**	Q	70-130	**23**	Q	20
2,2-Dichloropropane	ND	10	12	121		11	111		70-130	9		20
1,2-Dibromoethane	ND	10	9.6	96		9.7	97		70-130	1		20
1,3-Dichloropropane	ND	10	10	105		10	105		70-130	0		20
1,1,1,2-Tetrachloroethane	ND	10	12	117		11	111		70-130	5		20
Bromobenzene	ND	10	9.5	95		9.0	90		70-130	5		20
n-Butylbenzene	ND	10	9.4	94		8.4	84		70-130	11		20
sec-Butylbenzene	ND	10	12	118		10	103		70-130	14		20
tert-Butylbenzene	ND	10	12	116		10	100		70-130	15		20
o-Chlorotoluene	ND	10	10	103		9.3	93		70-130	10		20
p-Chlorotoluene	ND	10	10	104		9.6	96		70-130	8		20
1,2-Dibromo-3-chloropropane	ND	10	8.9	89		10	104		70-130	16		20
Hexachlorobutadiene	ND	10	11	112		10	100		70-130	11		20
Isopropylbenzene	1.4	10	12	102		10	91		70-130	11		20
p-Isopropyltoluene	ND	10	12	116		10	104		70-130	11		20
Naphthalene	ND	10	7.5	75		9.4	94		70-130	**22**	Q	20
n-Propylbenzene	ND	10	11	108		9.9	99		70-130	9		20
1,2,3-Trichlorobenzene	ND	10	8.8	88		9.8	98		70-130	11		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL
Project Number: JI-1747
Lab Number: L1006207
Report Date: 05/07/10

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): 01-13 QC Batch ID: WG411635-7 WG411635-8 QC Sample: L1006207-01 Client ID: MW-11-S												
1,2,4-Trichlorobenzene	ND	10	9.5	95		9.6	96		70-130	1		20
1,3,5-Trimethylbenzene	ND	10	10	102		9.3	93		70-130	9		20
1,2,4-Trimethylbenzene	ND	10	11	109		9.6	96		70-130	13		20
Ethyl ether	3.8	10	11	74		12	82		70-130	10		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		112		70-130
4-Bromofluorobenzene	97		95		70-130
Dibromofluoromethane	104		107		70-130
Toluene-d8	101		103		70-130

SEMIVOLATILES

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-01	Date Collected:	04/28/10 07:40
Client ID:	MW-11-S	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 09:23
Analytical Date:	05/01/10 17:40		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RDL	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
Hexachlorobenzene	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
Hexachlorobutadiene	ND		ug/l	9.6	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

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-01	Date Collected:	04/28/10 07:40
Client ID:	MW-11-S	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Diethyl phthalate	ND		ug/l	4.8	1
Dimethyl phthalate	ND		ug/l	4.8	1
Benzo(a)anthracene	ND		ug/l	4.8	1
Benzo(a)pyrene	ND		ug/l	4.8	1
Benzo(b)fluoranthene	ND		ug/l	4.8	1
Benzo(k)fluoranthene	ND		ug/l	4.8	1
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
Indeno(1,2,3-cd)Pyrene	ND		ug/l	6.7	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
Pentachlorophenol	ND		ug/l	9.6	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

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-01	Date Collected:	04/28/10 07:40
Client ID:	MW-11-S	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
2,6-Dichlorophenol	ND		ug/l	9.6	1
Benzyl Alcohol	ND		ug/l	9.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	32		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	52		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	67		33-120

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-01	Date Collected:	04/28/10 07:40
Client ID:	MW-11-S	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 09:42
Analytical Date:	05/01/10 20:07		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RDL	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	35		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	57		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	71		33-120

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-02	Date Collected:	04/28/10 08:41
Client ID:	MW-11-DO	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 09:23
Analytical Date:	05/01/10 18:04		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RDL	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
Hexachlorobenzene	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
Hexachlorobutadiene	ND		ug/l	9.9	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

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006207-02 Date Collected: 04/28/10 08:41

Client ID: MW-11-DO Date Received: 04/28/10

Sample Location: S. KINGSTOWN Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Diethyl phthalate	ND		ug/l	5.0	1
Dimethyl phthalate	ND		ug/l	5.0	1
Benzo(a)anthracene	ND		ug/l	5.0	1
Benzo(a)pyrene	ND		ug/l	5.0	1
Benzo(b)fluoranthene	ND		ug/l	5.0	1
Benzo(k)fluoranthene	ND		ug/l	5.0	1
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
Indeno(1,2,3-cd)Pyrene	ND		ug/l	7.0	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	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
Pentachlorophenol	ND		ug/l	9.9	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

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-02	Date Collected:	04/28/10 08:41
Client ID:	MW-11-DO	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
2,6-Dichlorophenol	ND		ug/l	9.9	1
Benzyl Alcohol	ND		ug/l	9.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	97		10-120
4-Terphenyl-d14	76		33-120

Project Name: ROSE HILL
Project Number: JI-1747
Lab Number: L1006207
Report Date: 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-02	Date Collected:	04/28/10 08:41
Client ID:	MW-11-DO	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 09:42
Analytical Date:	05/01/10 20:35		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RDL	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	32		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	90		10-120
4-Terphenyl-d14	79		33-120

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-03	Date Collected:	04/28/10 09:26
Client ID:	MW-11-BR	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 09:23
Analytical Date:	05/01/10 18:27		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RDL	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
Hexachlorobenzene	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
Hexachlorobutadiene	ND		ug/l	10	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	8.1		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

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-03	Date Collected:	04/28/10 09:26
Client ID:	MW-11-BR	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Diethyl phthalate	ND		ug/l	5.0	1
Dimethyl phthalate	ND		ug/l	5.0	1
Benzo(a)anthracene	ND		ug/l	5.0	1
Benzo(a)pyrene	ND		ug/l	5.0	1
Benzo(b)fluoranthene	ND		ug/l	5.0	1
Benzo(k)fluoranthene	ND		ug/l	5.0	1
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
Indeno(1,2,3-cd)Pyrene	ND		ug/l	7.0	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
Pentachlorophenol	ND		ug/l	10	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

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-03	Date Collected:	04/28/10 09:26
Client ID:	MW-11-BR	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
2,6-Dichlorophenol	ND		ug/l	10	1
Benzyl Alcohol	ND		ug/l	10	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	61		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	79		33-120

Project Name: ROSE HILL
Project Number: JI-1747
Lab Number: L1006207
Report Date: 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-03	Date Collected:	04/28/10 09:26
Client ID:	MW-11-BR	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 09:42
Analytical Date:	05/01/10 21:04		
Analyst:	AS		

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	61		15-120
2,4,6-Tribromophenol	80		10-120
4-Terphenyl-d14	87		33-120

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-04	Date Collected:	04/28/10 10:55
Client ID:	MW-06-DO	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 09:23
Analytical Date:	05/01/10 18:50		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RDL	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
Hexachlorobenzene	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
Hexachlorobutadiene	ND		ug/l	9.9	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

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-04	Date Collected:	04/28/10 10:55
Client ID:	MW-06-DO	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Diethyl phthalate	ND		ug/l	5.0	1
Dimethyl phthalate	ND		ug/l	5.0	1
Benzo(a)anthracene	ND		ug/l	5.0	1
Benzo(a)pyrene	ND		ug/l	5.0	1
Benzo(b)fluoranthene	ND		ug/l	5.0	1
Benzo(k)fluoranthene	ND		ug/l	5.0	1
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
Indeno(1,2,3-cd)Pyrene	ND		ug/l	7.0	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	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
Pentachlorophenol	ND		ug/l	9.9	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

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-04	Date Collected:	04/28/10 10:55
Client ID:	MW-06-DO	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
2,6-Dichlorophenol	ND		ug/l	9.9	1
Benzyl Alcohol	ND		ug/l	9.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	60		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	75		33-120

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-04	Date Collected:	04/28/10 10:55
Client ID:	MW-06-DO	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 09:42
Analytical Date:	05/01/10 21:33		
Analyst:	AS		

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	61		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	79		33-120

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-05	Date Collected:	04/28/10 10:55
Client ID:	DUPLICATE (MW-06)	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 09:23
Analytical Date:	05/01/10 19:14		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RDL	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
Hexachlorobenzene	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
Hexachlorobutadiene	ND		ug/l	9.9	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

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-05	Date Collected:	04/28/10 10:55
Client ID:	DUPLICATE (MW-06)	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Diethyl phthalate	ND		ug/l	5.0	1
Dimethyl phthalate	ND		ug/l	5.0	1
Benzo(a)anthracene	ND		ug/l	5.0	1
Benzo(a)pyrene	ND		ug/l	5.0	1
Benzo(b)fluoranthene	ND		ug/l	5.0	1
Benzo(k)fluoranthene	ND		ug/l	5.0	1
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
Indeno(1,2,3-cd)Pyrene	ND		ug/l	7.0	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	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
Pentachlorophenol	ND		ug/l	9.9	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

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-05	Date Collected:	04/28/10 10:55
Client ID:	DUPLICATE (MW-06)	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
2,6-Dichlorophenol	ND		ug/l	9.9	1
Benzyl Alcohol	ND		ug/l	9.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	57		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	78		33-120

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-05	Date Collected:	04/28/10 10:55
Client ID:	DUPLICATE (MW-06)	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 09:42
Analytical Date:	05/01/10 23:32		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RDL	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	63		23-120
2-Fluorobiphenyl	57		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	83		33-120

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-06	Date Collected:	04/28/10 11:57
Client ID:	MW-05S	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 09:23
Analytical Date:	05/01/10 19:37		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RDL	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
Hexachlorobenzene	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
Hexachlorobutadiene	ND		ug/l	10	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

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-06	Date Collected:	04/28/10 11:57
Client ID:	MW-05S	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Diethyl phthalate	ND		ug/l	5.0	1
Dimethyl phthalate	ND		ug/l	5.0	1
Benzo(a)anthracene	ND		ug/l	5.0	1
Benzo(a)pyrene	ND		ug/l	5.0	1
Benzo(b)fluoranthene	ND		ug/l	5.0	1
Benzo(k)fluoranthene	ND		ug/l	5.0	1
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
Indeno(1,2,3-cd)Pyrene	ND		ug/l	7.0	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
Pentachlorophenol	ND		ug/l	10	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

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-06	Date Collected:	04/28/10 11:57
Client ID:	MW-05S	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
2,6-Dichlorophenol	ND		ug/l	10	1
Benzyl Alcohol	ND		ug/l	10	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	71		33-120

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-06	Date Collected:	04/28/10 11:57
Client ID:	MW-05S	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 09:42
Analytical Date:	05/02/10 00:01		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RDL	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	42		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	76		33-120

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-07	Date Collected:	04/28/10 12:51
Client ID:	MW 13-S	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 09:23
Analytical Date:	05/01/10 20:00		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RDL	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
Hexachlorobenzene	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
Hexachlorobutadiene	ND		ug/l	10	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

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-07	Date Collected:	04/28/10 12:51
Client ID:	MW 13-S	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Diethyl phthalate	ND		ug/l	5.0	1
Dimethyl phthalate	ND		ug/l	5.0	1
Benzo(a)anthracene	ND		ug/l	5.0	1
Benzo(a)pyrene	ND		ug/l	5.0	1
Benzo(b)fluoranthene	ND		ug/l	5.0	1
Benzo(k)fluoranthene	ND		ug/l	5.0	1
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
Indeno(1,2,3-cd)Pyrene	ND		ug/l	7.0	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
Pentachlorophenol	ND		ug/l	10	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

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-07	Date Collected:	04/28/10 12:51
Client ID:	MW 13-S	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
2,6-Dichlorophenol	ND		ug/l	10	1
Benzyl Alcohol	ND		ug/l	10	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	49		15-120
2,4,6-Tribromophenol	72		10-120
4-Terphenyl-d14	71		33-120

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-07	Date Collected:	04/28/10 12:51
Client ID:	MW 13-S	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 09:42
Analytical Date:	05/02/10 00:30		
Analyst:	AS		

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	49		15-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	79		33-120

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-08	Date Collected:	04/28/10 13:00
Client ID:	RES #11	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 09:23
Analytical Date:	05/01/10 20:24		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RDL	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
Hexachlorobenzene	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
Hexachlorobutadiene	ND		ug/l	9.8	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

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006207-08 Date Collected: 04/28/10 13:00

Client ID: RES #11 Date Received: 04/28/10

Sample Location: S. KINGSTOWN Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Diethyl phthalate	ND		ug/l	4.9	1
Dimethyl phthalate	ND		ug/l	4.9	1
Benzo(a)anthracene	ND		ug/l	4.9	1
Benzo(a)pyrene	ND		ug/l	4.9	1
Benzo(b)fluoranthene	ND		ug/l	4.9	1
Benzo(k)fluoranthene	ND		ug/l	4.9	1
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
Indeno(1,2,3-cd)Pyrene	ND		ug/l	6.8	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
Pentachlorophenol	ND		ug/l	9.8	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

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-08	Date Collected:	04/28/10 13:00
Client ID:	RES #11	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
2,6-Dichlorophenol	ND		ug/l	9.8	1
Benzyl Alcohol	ND		ug/l	9.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	80		10-120
4-Terphenyl-d14	84		33-120

Project Name: ROSE HILL
Project Number: JI-1747
Lab Number: L1006207
Report Date: 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-08	Date Collected:	04/28/10 13:00
Client ID:	RES #11	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 09:42
Analytical Date:	05/02/10 00:59		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RDL	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	39		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	87		33-120

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-09	Date Collected:	04/28/10 13:00
Client ID:	DUPLICATE-RES (RES-11)	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	05/03/10 19:01
Analytical Date:	05/04/10 14:01		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RDL	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
Hexachlorobenzene	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
Hexachlorobutadiene	ND		ug/l	9.8	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

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006207-09 Date Collected: 04/28/10 13:00

Client ID: DUPLICATE-RES (RES-11) Date Received: 04/28/10

Sample Location: S. KINGSTOWN Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Diethyl phthalate	ND		ug/l	4.9	1
Dimethyl phthalate	ND		ug/l	4.9	1
Benzo(a)anthracene	ND		ug/l	4.9	1
Benzo(a)pyrene	ND		ug/l	4.9	1
Benzo(b)fluoranthene	ND		ug/l	4.9	1
Benzo(k)fluoranthene	ND		ug/l	4.9	1
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
Indeno(1,2,3-cd)Pyrene	ND		ug/l	6.8	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
Pentachlorophenol	ND		ug/l	9.8	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

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-09	Date Collected:	04/28/10 13:00
Client ID:	DUPLICATE-RES (RES-11)	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
2,6-Dichlorophenol	ND		ug/l	9.8	1
Benzyl Alcohol	ND		ug/l	9.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	103		23-120
2-Fluorobiphenyl	110		15-120
2,4,6-Tribromophenol	110		10-120
4-Terphenyl-d14	119		33-120

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-09	Date Collected:	04/28/10 13:00
Client ID:	DUPLICATE-RES (RES-11)	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	05/03/10 19:06
Analytical Date:	05/04/10 22:41		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RDL	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	50		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	97		10-120
4-Terphenyl-d14	96		33-120

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-10	Date Collected:	04/28/10 13:30
Client ID:	RES #10	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 09:23
Analytical Date:	05/01/10 21:10		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RDL	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
Hexachlorobenzene	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
Hexachlorobutadiene	ND		ug/l	9.8	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

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006207-10 Date Collected: 04/28/10 13:30

Client ID: RES #10 Date Received: 04/28/10

Sample Location: S. KINGSTOWN Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Diethyl phthalate	ND		ug/l	4.9	1
Dimethyl phthalate	ND		ug/l	4.9	1
Benzo(a)anthracene	ND		ug/l	4.9	1
Benzo(a)pyrene	ND		ug/l	4.9	1
Benzo(b)fluoranthene	ND		ug/l	4.9	1
Benzo(k)fluoranthene	ND		ug/l	4.9	1
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
Indeno(1,2,3-cd)Pyrene	ND		ug/l	6.8	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
Pentachlorophenol	ND		ug/l	9.8	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

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-10	Date Collected:	04/28/10 13:30
Client ID:	RES #10	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
2,6-Dichlorophenol	ND		ug/l	9.8	1
Benzyl Alcohol	ND		ug/l	9.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	90		10-120
4-Terphenyl-d14	76		33-120

Project Name: ROSE HILL
Project Number: JI-1747
Lab Number: L1006207
Report Date: 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-10	Date Collected:	04/28/10 13:30
Client ID:	RES #10	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 09:42
Analytical Date:	05/02/10 01:56		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RDL	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	41		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	85		33-120

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-11	Date Collected:	04/28/10 14:10
Client ID:	RES #7	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 09:27
Analytical Date:	05/01/10 19:04		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RDL	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
Hexachlorobenzene	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
Hexachlorobutadiene	ND		ug/l	9.6	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

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006207-11 Date Collected: 04/28/10 14:10

Client ID: RES #7 Date Received: 04/28/10

Sample Location: S. KINGSTOWN Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Diethyl phthalate	ND		ug/l	4.8	1
Dimethyl phthalate	ND		ug/l	4.8	1
Benzo(a)anthracene	ND		ug/l	4.8	1
Benzo(a)pyrene	ND		ug/l	4.8	1
Benzo(b)fluoranthene	ND		ug/l	4.8	1
Benzo(k)fluoranthene	ND		ug/l	4.8	1
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
Indeno(1,2,3-cd)Pyrene	ND		ug/l	6.8	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
Pentachlorophenol	ND		ug/l	9.6	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

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-11	Date Collected:	04/28/10 14:10
Client ID:	RES #7	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
2,6-Dichlorophenol	ND		ug/l	9.6	1
Benzyl Alcohol	ND		ug/l	9.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	87		10-120
4-Terphenyl-d14	83		33-120

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-11	Date Collected:	04/28/10 14:10
Client ID:	RES #7	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 09:43
Analytical Date:	05/02/10 02:25		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RDL	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	42		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	58		15-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	74		33-120

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-12	Date Collected:	04/28/10 14:20
Client ID:	FIELD BLANK	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 09:27
Analytical Date:	05/01/10 19:29		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RDL	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
Hexachlorobenzene	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
Hexachlorobutadiene	ND		ug/l	9.5	1
Hexachlorocyclopentadiene	ND		ug/l	28	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

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-12	Date Collected:	04/28/10 14:20
Client ID:	FIELD BLANK	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Diethyl phthalate	ND		ug/l	4.8	1
Dimethyl phthalate	ND		ug/l	4.8	1
Benzo(a)anthracene	ND		ug/l	4.8	1
Benzo(a)pyrene	ND		ug/l	4.8	1
Benzo(b)fluoranthene	ND		ug/l	4.8	1
Benzo(k)fluoranthene	ND		ug/l	4.8	1
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
Indeno(1,2,3-cd)Pyrene	ND		ug/l	6.7	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	9.5	1
2,4-Dimethylphenol	ND		ug/l	9.5	1
2-Nitrophenol	ND		ug/l	19	1
4-Nitrophenol	ND		ug/l	9.5	1
2,4-Dinitrophenol	ND		ug/l	28	1
4,6-Dinitro-o-cresol	ND		ug/l	19	1
Pentachlorophenol	ND		ug/l	9.5	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

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-12	Date Collected:	04/28/10 14:20
Client ID:	FIELD BLANK	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
2,6-Dichlorophenol	ND		ug/l	9.5	1
Benzyl Alcohol	ND		ug/l	9.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	97		10-120
4-Terphenyl-d14	89		33-120

Project Name: ROSE HILL
Project Number: JI-1747
Lab Number: L1006207
Report Date: 05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-12	Date Collected:	04/28/10 14:20
Client ID:	FIELD BLANK	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	04/30/10 09:44
Analytical Date:	05/02/10 02:54		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RDL	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	40		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	91		10-120
4-Terphenyl-d14	82		33-120

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 05/01/10 15:43
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 04/30/10 09:23

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08,10-12 Batch: WG410572-1				
Acenaphthene	ND		ug/l	5.0
Benzidine	ND		ug/l	50
1,2,4-Trichlorobenzene	ND		ug/l	5.0
Hexachlorobenzene	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
Hexachlorobutadiene	ND		ug/l	10
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

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 05/01/10 15:43
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 04/30/10 09:23

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08,10-12 Batch: WG410572-1				
Dimethyl phthalate	ND		ug/l	5.0
Benzo(a)anthracene	ND		ug/l	5.0
Benzo(a)pyrene	ND		ug/l	5.0
Benzo(b)fluoranthene	ND		ug/l	5.0
Benzo(k)fluoranthene	ND		ug/l	5.0
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
Indeno(1,2,3-cd)Pyrene	ND		ug/l	7.0
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

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006207
Report Date: 05/07/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 05/01/10 15:43
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 04/30/10 09:23

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08,10-12 Batch: WG410572-1				
Pentachlorophenol	ND		ug/l	10
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
2,6-Dichlorophenol	ND		ug/l	10
Benzyl Alcohol	ND		ug/l	10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	90		10-120
4-Terphenyl-d14	73		33-120

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006207
Report Date: 05/07/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 05/01/10 19:24
Analyst: AS

Extraction Method: EPA 3510C
Extraction Date: 04/30/10 09:42

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-08,10-12 Batch: WG410573-1				
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	52		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	83		10-120
4-Terphenyl-d14	78		33-120

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006207
Report Date: 05/07/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 05/04/10 10:37
Analyst: AS

Extraction Method: EPA 3510C
Extraction Date: 05/03/10 19:06

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 09 Batch: WG411345-1				
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	44		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	89		10-120
4-Terphenyl-d14	84		33-120

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006207
Report Date: 05/07/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 05/04/10 10:32
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 05/03/10 19:01

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG411403-1				
Acenaphthene	ND		ug/l	5.0
Benzidine	ND		ug/l	50
1,2,4-Trichlorobenzene	ND		ug/l	5.0
Hexachlorobenzene	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
Hexachlorobutadiene	ND		ug/l	10
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	12		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

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 05/04/10 10:32
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 05/03/10 19:01

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG411403-1				
Dimethyl phthalate	ND		ug/l	5.0
Benzo(a)anthracene	ND		ug/l	5.0
Benzo(a)pyrene	ND		ug/l	5.0
Benzo(b)fluoranthene	ND		ug/l	5.0
Benzo(k)fluoranthene	ND		ug/l	5.0
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
Indeno(1,2,3-cd)Pyrene	ND		ug/l	7.0
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

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006207
Report Date: 05/07/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 05/04/10 10:32
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 05/03/10 19:01

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG411403-1				
Pentachlorophenol	ND		ug/l	10
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
2,6-Dichlorophenol	ND		ug/l	10
Benzyl Alcohol	ND		ug/l	10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	94		15-120
2,4,6-Tribromophenol	107		10-120
4-Terphenyl-d14	117		33-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006207
Report Date: 05/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08,10-12 Batch: WG410572-2 WG410572-3								
Acenaphthene	89		88		37-111	1		30
1,2,4-Trichlorobenzene	75		69		39-98	8		30
1,4-Dichlorobenzene	74		65		36-97	13		30
2,4-Dinitrotoluene	87		86		24-96	1		30
n-Nitrosodi-n-propylamine	105		104		41-116	1		30
Pyrene	90		86		26-127	5		30
P-Chloro-M-Cresol	**102**	Q	**103**	Q	23-97	1		30
2-Chlorophenol	95		93		27-123	2		30
4-Nitrophenol	54		55		10-80	2		30
Pentachlorophenol	**104**	Q	**104**	Q	9-103	0		30
Phenol	49		51		12-110	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	61		58		21-120
Phenol-d6	47		47		10-120
Nitrobenzene-d5	100		95		23-120
2-Fluorobiphenyl	86		86		15-120
2,4,6-Tribromophenol	108		105		10-120
4-Terphenyl-d14	88		85		33-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL
Project Number: JI-1747
Lab Number: L1006207
Report Date: 05/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-08,10-12 Batch: WG410573-2 WG410573-3								
Pentachlorophenol	**104**	Q	**107**	Q	9-103	3		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		45		21-120
Phenol-d6	38		33		10-120
Nitrobenzene-d5	83		71		23-120
2-Fluorobiphenyl	75		67		15-120
2,4,6-Tribromophenol	92		79		10-120
4-Terphenyl-d14	90		87		33-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL
Project Number: JI-1747
Lab Number: L1006207
Report Date: 05/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 09 Batch: WG411345-2 WG411345-3								
Pentachlorophenol	**106**	Q	**120**	Q	9-103	12		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	63		58		21-120
Phenol-d6	46		45		10-120
Nitrobenzene-d5	92		90		23-120
2-Fluorobiphenyl	84		86		15-120
2,4,6-Tribromophenol	88		94		10-120
4-Terphenyl-d14	92		95		33-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006207
Report Date: 05/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG411403-2 WG411403-3								
Acenaphthene	98		100		37-111	2		30
1,2,4-Trichlorobenzene	71		78		39-98	9		30
1,4-Dichlorobenzene	65		76		36-97	16		30
2,4-Dinitrotoluene	**120**	Q	**121**	Q	24-96	1		30
n-Nitrosodi-n-propylamine	103		103		41-116	0		30
Pyrene	115		113		26-127	2		30
P-Chloro-M-Cresol	**101**	Q	**107**	Q	23-97	6		30
2-Chlorophenol	91		93		27-123	2		30
4-Nitrophenol	56		58		10-80	4		30
Pentachlorophenol	**115**	Q	**112**	Q	9-103	3		30
Phenol	44		44		12-110	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		55		21-120
Phenol-d6	36		38		10-120
Nitrobenzene-d5	94		97		23-120
2-Fluorobiphenyl	99		103		15-120
2,4,6-Tribromophenol	112		119		10-120
4-Terphenyl-d14	113		112		33-120

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL
Project Number: JI-1747
Lab Number: L1006207
Report Date: 05/07/10

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): 01-08,10-12 QC Batch ID: WG410572-4 WG410572-5 QC Sample: L1006207-01 Client ID: MW-11-S												
Acenaphthene	ND	80	50	63		55	69		37-111	9		30
1,2,4-Trichlorobenzene	ND	80	42	53		46	58		39-98	9		30
1,4-Dichlorobenzene	ND	80	43	54		48	60		36-97	11		30
2,4-Dinitrotoluene	ND	80	50	63		52	65		24-96	3		30
n-Nitrosodi-n-propylamine	ND	80	54	68		65	81		41-116	17		30
Pyrene	ND	80	54	68		53	66		26-127	3		30
P-Chloro-M-Cresol	ND	80	60	75		66	83		23-97	10		30
2-Chlorophenol	ND	80	52	65		59	74		27-123	13		30
4-Nitrophenol	ND	80	45	56		45	56		10-80	0		30
Pentachlorophenol	ND	80	60	75		62	78		9-103	4		30
Phenol	ND	80	37	46		44	55		12-110	18		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	85		89		10-120
2-Fluorobiphenyl	62		72		15-120
2-Fluorophenol	54		63		21-120
4-Terphenyl-d14	70		70		33-120
Nitrobenzene-d5	71		87		23-120
Phenol-d6	50		58		10-120

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL
Project Number: JI-1747
Lab Number: L1006207
Report Date: 05/07/10

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): 01-08,10-12 QC Batch ID: WG410573-4 WG410573-5 QC Sample: L1006207-01 Client ID: MW-11-S												
Pentachlorophenol	ND	80	110	**140**	Q	110	**140**	Q	9-103	0		40

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	**127**	Q	**132**	Q	10-120
2-Fluorobiphenyl	102		107		15-120
2-Fluorophenol	79		86		21-120
4-Terphenyl-d14	118		112		33-120
Nitrobenzene-d5	96		105		23-120
Phenol-d6	70		75		10-120

METALS

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006207-01 Date Collected: 04/28/10 07:40

Client ID: MW-11-S Date Received: 04/28/10

Sample Location: S. KINGSTOWN Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	0.020		mg/l	0.010	1	04/30/10 12:30	05/03/10 23:48	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/03/10 23:48	EPA 3005A	1,6020	BM
Arsenic, Total	0.0018		mg/l	0.0005	1	04/30/10 12:30	05/03/10 23:48	EPA 3005A	1,6020	BM
Barium, Total	0.0966		mg/l	0.0005	1	04/30/10 12:30	05/03/10 23:48	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/03/10 23:48	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/03/10 23:48	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/03/10 23:48	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/03/10 23:48	EPA 3005A	1,6020	BM
Manganese, Total	2.733		mg/l	0.0010	1	04/30/10 12:30	05/03/10 23:48	EPA 3005A	1,6020	BM
Sodium, Total	21		mg/l	2.0	1	04/29/10 10:30	04/30/10 16:48	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/03/10 23:48	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/03/10 23:48	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	1	04/30/10 12:30	05/03/10 23:48	EPA 3005A	1,6020	BM

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006207-02 Date Collected: 04/28/10 08:41

Client ID: MW-11-DO Date Received: 04/28/10

Sample Location: S. KINGSTOWN Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	ND		mg/l	0.010	1	04/30/10 12:30	05/04/10 00:24	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:24	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:24	EPA 3005A	1,6020	BM
Barium, Total	0.0575		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:24	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:24	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:24	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:24	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:24	EPA 3005A	1,6020	BM
Manganese, Total	1.775		mg/l	0.0010	1	04/30/10 12:30	05/04/10 00:24	EPA 3005A	1,6020	BM
Sodium, Total	21		mg/l	2.0	1	04/29/10 10:30	04/30/10 17:01	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:24	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:24	EPA 3005A	1,6020	BM
Zinc, Total	0.0166		mg/l	0.0050	1	04/30/10 12:30	05/04/10 00:24	EPA 3005A	1,6020	BM

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006207-03 Date Collected: 04/28/10 09:26

Client ID: MW-11-BR Date Received: 04/28/10

Sample Location: S. KINGSTOWN Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	0.016		mg/l	0.010	1	04/30/10 12:30	05/04/10 00:30	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:30	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:30	EPA 3005A	1,6020	BM
Barium, Total	0.0430		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:30	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:30	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:30	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:30	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:30	EPA 3005A	1,6020	BM
Manganese, Total	ND		mg/l	0.0010	1	04/30/10 12:30	05/04/10 00:30	EPA 3005A	1,6020	BM
Sodium, Total	68		mg/l	2.0	1	04/29/10 10:30	04/30/10 17:10	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:30	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:30	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	1	04/30/10 12:30	05/04/10 00:30	EPA 3005A	1,6020	BM

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006207-04 Date Collected: 04/28/10 10:55

Client ID: MW-06-DO Date Received: 04/28/10

Sample Location: S. KINGSTOWN Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	ND		mg/l	0.010	1	04/30/10 12:30	05/04/10 00:36	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:36	EPA 3005A	1,6020	BM
Arsenic, Total	0.0007		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:36	EPA 3005A	1,6020	BM
Barium, Total	0.0550		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:36	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:36	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:36	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:36	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:36	EPA 3005A	1,6020	BM
Manganese, Total	1.498		mg/l	0.0010	1	04/30/10 12:30	05/04/10 00:36	EPA 3005A	1,6020	BM
Sodium, Total	18		mg/l	2.0	1	04/29/10 10:30	04/30/10 17:14	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:36	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:36	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	1	04/30/10 12:30	05/04/10 00:36	EPA 3005A	1,6020	BM

Project Name:	ROSE HILL	**Lab Number:**	L1006207
Project Number:	JI-1747	**Report Date:**	05/07/10

SAMPLE RESULTS

Lab ID:	L1006207-05	Date Collected:	04/28/10 10:55
Client ID:	DUPLICATE (MW-06)	Date Received:	04/28/10
Sample Location:	S. KINGSTOWN	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	ND		mg/l	0.010	1	04/30/10 12:30	05/04/10 00:42	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:42	EPA 3005A	1,6020	BM
Arsenic, Total	0.0007		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:42	EPA 3005A	1,6020	BM
Barium, Total	0.0525		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:42	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:42	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:42	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:42	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:42	EPA 3005A	1,6020	BM
Manganese, Total	1.399		mg/l	0.0010	1	04/30/10 12:30	05/04/10 00:42	EPA 3005A	1,6020	BM
Sodium, Total	18		mg/l	2.0	1	04/29/10 10:30	04/30/10 17:17	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:42	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:42	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	1	04/30/10 12:30	05/04/10 00:42	EPA 3005A	1,6020	BM

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006207-06 Date Collected: 04/28/10 11:57

Client ID: MW-05S Date Received: 04/28/10

Sample Location: S. KINGSTOWN Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	ND		mg/l	0.010	1	04/30/10 12:30	05/04/10 00:48	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:48	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:48	EPA 3005A	1,6020	BM
Barium, Total	0.0010		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:48	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:48	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:48	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:48	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:48	EPA 3005A	1,6020	BM
Manganese, Total	ND		mg/l	0.0010	1	04/30/10 12:30	05/04/10 00:48	EPA 3005A	1,6020	BM
Sodium, Total	11		mg/l	2.0	1	04/29/10 10:30	04/30/10 17:20	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:48	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:48	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	1	04/30/10 12:30	05/04/10 00:48	EPA 3005A	1,6020	BM

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006207-07 Date Collected: 04/28/10 12:51

Client ID: MW 13-S Date Received: 04/28/10

Sample Location: S. KINGSTOWN Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	0.659		mg/l	0.010	1	04/30/10 12:30	05/04/10 00:54	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:54	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:54	EPA 3005A	1,6020	BM
Barium, Total	0.0043		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:54	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:54	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:54	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:54	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:54	EPA 3005A	1,6020	BM
Manganese, Total	0.0649		mg/l	0.0010	1	04/30/10 12:30	05/04/10 00:54	EPA 3005A	1,6020	BM
Sodium, Total	7.2		mg/l	2.0	1	04/29/10 10:30	04/30/10 17:23	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:54	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 00:54	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	1	04/30/10 12:30	05/04/10 00:54	EPA 3005A	1,6020	BM

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006207-08 Date Collected: 04/28/10 13:00

Client ID: RES #11 Date Received: 04/28/10

Sample Location: S. KINGSTOWN Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	0.020		mg/l	0.010	1	04/30/10 12:30	05/04/10 01:00	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:00	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:00	EPA 3005A	1,6020	BM
Barium, Total	0.0048		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:00	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:00	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:00	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:00	EPA 3005A	1,6020	BM
Lead, Total	0.0032		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:00	EPA 3005A	1,6020	BM
Manganese, Total	0.1738		mg/l	0.0010	1	04/30/10 12:30	05/04/10 01:00	EPA 3005A	1,6020	BM
Sodium, Total	5.8		mg/l	2.0	1	04/29/10 10:30	04/30/10 17:27	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:00	EPA 3005A	1,6020	BM
Vanadium, Total	0.0005		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:00	EPA 3005A	1,6020	BM
Zinc, Total	0.0174		mg/l	0.0050	1	04/30/10 12:30	05/04/10 01:00	EPA 3005A	1,6020	BM

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006207-09 Date Collected: 04/28/10 13:00

Client ID: DUPLICATE-RES (RES-11) Date Received: 04/28/10

Sample Location: S. KINGSTOWN Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	0.025		mg/l	0.010	1	04/30/10 12:30	05/04/10 01:06	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:06	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:06	EPA 3005A	1,6020	BM
Barium, Total	0.0048		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:06	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:06	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:06	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:06	EPA 3005A	1,6020	BM
Lead, Total	0.0033		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:06	EPA 3005A	1,6020	BM
Manganese, Total	0.1756		mg/l	0.0010	1	04/30/10 12:30	05/04/10 01:06	EPA 3005A	1,6020	BM
Sodium, Total	5.7		mg/l	2.0	1	04/29/10 10:30	04/30/10 17:30	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:06	EPA 3005A	1,6020	BM
Vanadium, Total	0.0006		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:06	EPA 3005A	1,6020	BM
Zinc, Total	0.0154		mg/l	0.0050	1	04/30/10 12:30	05/04/10 01:06	EPA 3005A	1,6020	BM

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006207-10 Date Collected: 04/28/10 13:30

Client ID: RES #10 Date Received: 04/28/10

Sample Location: S. KINGSTOWN Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	ND		mg/l	0.010	1	04/30/10 12:30	05/04/10 01:12	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:12	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:12	EPA 3005A	1,6020	BM
Barium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:12	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:12	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:12	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:12	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:12	EPA 3005A	1,6020	BM
Manganese, Total	0.0016		mg/l	0.0010	1	04/30/10 12:30	05/04/10 01:12	EPA 3005A	1,6020	BM
Sodium, Total	32		mg/l	2.0	1	04/29/10 10:30	04/30/10 17:33	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:12	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:12	EPA 3005A	1,6020	BM
Zinc, Total	0.0098		mg/l	0.0050	1	04/30/10 12:30	05/04/10 01:12	EPA 3005A	1,6020	BM

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006207-11 Date Collected: 04/28/10 14:10

Client ID: RES #7 Date Received: 04/28/10

Sample Location: S. KINGSTOWN Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	ND		mg/l	0.010	1	04/30/10 12:30	05/04/10 01:18	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:18	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:18	EPA 3005A	1,6020	BM
Barium, Total	0.0014		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:18	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:18	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:18	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:18	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:18	EPA 3005A	1,6020	BM
Manganese, Total	ND		mg/l	0.0010	1	04/30/10 12:30	05/04/10 01:18	EPA 3005A	1,6020	BM
Sodium, Total	33		mg/l	2.0	1	04/29/10 10:30	04/30/10 17:36	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:18	EPA 3005A	1,6020	BM
Vanadium, Total	0.0007		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:18	EPA 3005A	1,6020	BM
Zinc, Total	0.0135		mg/l	0.0050	1	04/30/10 12:30	05/04/10 01:18	EPA 3005A	1,6020	BM

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006207-12 Date Collected: 04/28/10 14:20

Client ID: FIELD BLANK Date Received: 04/28/10

Sample Location: S. KINGSTOWN Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	ND		mg/l	0.010	1	04/30/10 12:30	05/04/10 01:36	EPA 3005A	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:36	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:36	EPA 3005A	1,6020	BM
Barium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:36	EPA 3005A	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:36	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:36	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:36	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:36	EPA 3005A	1,6020	BM
Manganese, Total	ND		mg/l	0.0010	1	04/30/10 12:30	05/04/10 01:36	EPA 3005A	1,6020	BM
Sodium, Total	ND		mg/l	2.0	1	04/29/10 10:30	04/30/10 17:40	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:36	EPA 3005A	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:36	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	1	04/30/10 12:30	05/04/10 01:36	EPA 3005A	1,6020	BM

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

SAMPLE RESULTS

Lab ID: L1006207-14 Date Collected: 04/28/10 09:15

Client ID: SW-12 Date Received: 04/28/10

Sample Location: S. KINGSTOWN Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	0.161		mg/l	0.010	1	04/30/10 12:30	05/04/10 01:42	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:42	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:42	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:42	EPA 3005A	1,6020	BM
Copper, Total	0.0007		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:42	EPA 3005A	1,6020	BM
Iron, Total	2.17		mg/l	0.050	1	04/30/10 12:30	05/04/10 01:42	EPA 3005A	1,6020	BM
Lead, Total	0.0018		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:42	EPA 3005A	1,6020	BM
Manganese, Total	0.1141		mg/l	0.0010	1	04/30/10 12:30	05/04/10 01:42	EPA 3005A	1,6020	BM
Nickel, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:42	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/04/10 01:42	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	1	04/30/10 12:30	05/04/10 01:42	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab										
Hardness	11		mg/l	0.66	1	05/01/10 13:50	05/03/10 14:26	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab										
Aluminum, Dissolved	0.073		mg/l	0.010	1	05/01/10 13:50	05/03/10 23:18	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	1	05/01/10 13:50	05/03/10 23:18	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0005	1	05/01/10 13:50	05/03/10 23:18	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	1	05/01/10 13:50	05/03/10 23:18	EPA 3005A	1,6020	BM
Copper, Dissolved	0.0017		mg/l	0.0005	1	05/01/10 13:50	05/03/10 23:18	EPA 3005A	1,6020	BM
Iron, Dissolved	0.336		mg/l	0.050	1	05/01/10 13:50	05/03/10 23:18	EPA 3005A	1,6020	BM
Lead, Dissolved	0.0005		mg/l	0.0005	1	05/01/10 13:50	05/03/10 23:18	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.0790		mg/l	0.0010	1	05/01/10 13:50	05/03/10 23:18	EPA 3005A	1,6020	BM
Nickel, Dissolved	ND		mg/l	0.0005	1	05/01/10 13:50	05/03/10 23:18	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	1	05/01/10 13:50	05/03/10 23:18	EPA 3005A	1,6020	BM
Zinc, Dissolved	0.0082		mg/l	0.0050	1	05/01/10 13:50	05/03/10 23:18	EPA 3005A	1,6020	BM

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-12 Batch: WG410404-1									
Sodium, Total	ND		mg/l	2.0	1	04/29/10 10:30	04/30/10 16:38	1,6010B	AI

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-12,14 Batch: WG410649-1									
Aluminum, Total	ND		mg/l	0.010	1	04/30/10 12:30	05/03/10 19:12	1,6020	BM
Antimony, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/03/10 19:12	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/03/10 19:12	1,6020	BM
Barium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/03/10 19:12	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/03/10 19:12	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/03/10 19:12	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/03/10 19:12	1,6020	BM
Copper, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/03/10 19:12	1,6020	BM
Iron, Total	ND		mg/l	0.050	1	04/30/10 12:30	05/03/10 19:12	1,6020	BM
Lead, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/03/10 19:12	1,6020	BM
Manganese, Total	ND		mg/l	0.0010	1	04/30/10 12:30	05/03/10 19:12	1,6020	BM
Nickel, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/03/10 19:12	1,6020	BM
Silver, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/03/10 19:12	1,6020	BM
Thallium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/03/10 19:12	1,6020	BM
Vanadium, Total	ND		mg/l	0.0005	1	04/30/10 12:30	05/03/10 19:12	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	1	04/30/10 12:30	05/03/10 19:12	1,6020	BM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 14 Batch: WG410760-1									
Aluminum, Dissolved	ND		mg/l	0.010	1	05/01/10 13:50	05/03/10 19:36	1,6020	BM

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

Method Blank Analysis
Batch Quality Control

Arsenic, Dissolved	ND	mg/l	0.0005	1	05/01/10 13:50	05/03/10 19:36	1,6020	BM
Cadmium, Dissolved	ND	mg/l	0.0005	1	05/01/10 13:50	05/03/10 19:36	1,6020	BM
Chromium, Dissolved	ND	mg/l	0.0005	1	05/01/10 13:50	05/03/10 19:36	1,6020	BM
Copper, Dissolved	ND	mg/l	0.0005	1	05/01/10 13:50	05/03/10 19:36	1,6020	BM
Iron, Dissolved	ND	mg/l	0.050	1	05/01/10 13:50	05/03/10 19:36	1,6020	BM
Lead, Dissolved	ND	mg/l	0.0005	1	05/01/10 13:50	05/03/10 19:36	1,6020	BM
Manganese, Dissolved	ND	mg/l	0.0010	1	05/01/10 13:50	05/03/10 19:36	1,6020	BM
Nickel, Dissolved	ND	mg/l	0.0005	1	05/01/10 13:50	05/03/10 19:36	1,6020	BM
Silver, Dissolved	ND	mg/l	0.0005	1	05/01/10 13:50	05/03/10 19:36	1,6020	BM
Zinc, Dissolved	ND	mg/l	0.0050	1	05/01/10 13:50	05/03/10 19:36	1,6020	BM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Hardness by SM 2340B - Westborough Lab for sample(s): 14 Batch: WG410761-1									
Hardness	ND		mg/l	0.66	1	05/01/10 13:50	05/03/10 13:41	1,6010B	AI

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006207
Report Date: 05/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-12 Batch: WG410404-2								
Sodium, Total	100		-		80-120	-		
Total Metals - Westborough Lab Associated sample(s): 01-12,14 Batch: WG410649-2								
Aluminum, Total	91		-		80-120	-		
Antimony, Total	94		-		80-120	-		
Arsenic, Total	98		-		80-120	-		
Barium, Total	97		-		80-120	-		
Beryllium, Total	99		-		80-120	-		
Cadmium, Total	108		-		80-120	-		
Chromium, Total	97		-		80-120	-		
Copper, Total	103		-		80-120	-		
Iron, Total	109		-		80-120	-		
Lead, Total	106		-		80-120	-		
Manganese, Total	97		-		80-120	-		
Nickel, Total	101		-		80-120	-		
Silver, Total	100		-		80-120	-		
Thallium, Total	100		-		80-120	-		
Vanadium, Total	94		-		80-120	-		
Zinc, Total	102		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006207
Report Date: 05/07/10

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 14 Batch: WG410760-2					
Aluminum, Dissolved	92	-	80-120	-	
Arsenic, Dissolved	100	-	80-120	-	
Cadmium, Dissolved	108	-	80-120	-	
Chromium, Dissolved	97	-	80-120	-	
Copper, Dissolved	103	-	80-120	-	
Iron, Dissolved	110	-	80-120	-	
Lead, Dissolved	105	-	80-120	-	
Manganese, Dissolved	98	-	80-120	-	
Nickel, Dissolved	102	-	80-120	-	
Silver, Dissolved	102	-	80-120	-	
Zinc, Dissolved	104	-	80-120	-	
Total Hardness by SM 2340B - Westborough Lab Associated sample(s): 14 Batch: WG410761-2					
Hardness	92	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006207
Report Date: 05/07/10

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): 01-12 QC Batch ID: WG410404-3 WG410404-4 QC Sample: L1006207-01 Client ID: MW-11-S												
Sodium, Total	21	10	32	110		32	110		75-125	0		20
Total Metals - Westborough Lab Associated sample(s): 01-12,14 QC Batch ID: WG410649-3 WG410649-4 QC Sample: L1006207-01 Client ID: MW-11-S												
Aluminum, Total	0.020	2	2.06	102		2.07	102		80-120	0		20
Antimony, Total	ND	0.5	0.5282	106		0.5284	106		80-120	0		20
Arsenic, Total	0.0018	0.12	0.1321	108		0.1319	108		80-120	0		20
Barium, Total	0.0966	2	2.162	103		2.175	104		80-120	1		20
Beryllium, Total	ND	0.05	0.0509	102		0.0505	101		80-120	1		20
Cadmium, Total	ND	0.051	0.0591	116		0.0581	114		80-120	2		20
Chromium, Total	ND	0.2	0.2118	106		0.2089	104		80-120	2		20
Copper, Total	ND	0.25	0.2608	104		0.2567	103		80-120	1		20
Iron, Total	48.6	1	54.2	**560**		55.2	**660**		80-120	16		20
Lead, Total	ND	0.51	0.5372	105		0.5352	105		80-120	0		20
Manganese, Total	2.733	0.5	3.450	**143**		3.484	**150**		80-120	5		20
Nickel, Total	0.0045	0.5	0.5567	110		0.5497	109		80-120	1		20
Silver, Total	ND	0.05	0.0525	105		0.0523	104		80-120	1		20
Thallium, Total	ND	0.12	0.1183	98		0.1186	99		80-120	1		20
Vanadium, Total	ND	0.5	0.5133	103		0.5061	101		80-120	2		20
Zinc, Total	ND	0.5	0.5659	113		0.5942	119		80-120	5		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006207
Report Date: 05/07/10

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): 14 QC Batch ID: WG410760-4 QC Sample: L1006207-14 Client ID: SW-12									
Aluminum, Dissolved	0.073	2	1.92	92	-	-	80-120	-	20
Arsenic, Dissolved	ND	0.12	0.1184	99	-	-	80-120	-	20
Cadmium, Dissolved	ND	0.051	0.0547	107	-	-	80-120	-	20
Chromium, Dissolved	ND	0.2	0.1954	98	-	-	80-120	-	20
Copper, Dissolved	0.0017	0.25	0.2609	104	-	-	80-120	-	20
Iron, Dissolved	0.336	1	1.39	105	-	-	80-120	-	20
Lead, Dissolved	0.0005	0.51	0.5519	108	-	-	80-120	-	20
Manganese, Dissolved	0.0790	0.5	0.5764	99	-	-	80-120	-	20
Nickel, Dissolved	ND	0.5	0.5063	101	-	-	80-120	-	20
Silver, Dissolved	ND	0.05	0.0489	98	-	-	80-120	-	20
Zinc, Dissolved	0.0082	0.5	0.5207	102	-	-	80-120	-	20
Total Hardness by SM 2340B - Westborough Lab Associated sample(s): 14 QC Batch ID: WG410761-4 QC Sample: L1006259-01 Client ID: MS Sample									
Hardness	33	66.2	92	89	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006207
Report Date: 05/07/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 14 QC Batch ID: WG410760-3 QC Sample: L1006207-14 Client ID: SW-12						
Aluminum, Dissolved	0.073	0.075	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	0.0017	0.0017	mg/l	1		20
Iron, Dissolved	0.336	0.364	mg/l	8		20
Lead, Dissolved	0.0005	0.0005	mg/l	4		20
Manganese, Dissolved	0.0790	0.0846	mg/l	7		20
Nickel, Dissolved	ND	0.0005	mg/l	NC		20
Silver, Dissolved	ND	ND	mg/l	NC		20
Zinc, Dissolved	0.0082	0.0077	mg/l	7		20

Lab Serial Dilution Analysis

Batch Quality Control

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006207
Report Date: 05/07/10

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 14 QC Batch ID: WG410760-5 QC Sample: L1006207-14 Client ID: SW-12						
Aluminum, Dissolved	0.073	0.077	mg/l	6		10

INORGANICS
&
MISCELLANEOUS

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006207
Report Date: 05/07/10

SAMPLE RESULTS

Lab ID: L1006207-14
Client ID: SW-12
Sample Location: S. KINGSTOWN
Matrix: Water

Date Collected: 04/28/10 09:15
Date Received: 04/28/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Cyanide, Total	ND		mg/l	0.005	1	04/29/10 16:25	05/03/10 13:09	1,9010B/9012A	JO
Nitrogen, Ammonia	0.292		mg/l	0.075	1	05/03/10 01:10	05/04/10 22:13	30,4500NH3-BH	AT
Nitrogen, Nitrate	0.13		mg/l	0.10	1	-	04/29/10 20:41	30,4500NO3-F	DD
Phosphorus, Total	0.014		mg/l	0.010	1	-	04/30/10 16:07	30,4500P-E	ST
Sulfide	ND		mg/l	0.10	1	05/03/10 17:30	05/03/10 18:30	1,9030B	AT
Total Organic Carbon	ND		mg/l	0.50	1	-	05/04/10 07:31	1,9060	DW

Project Name: ROSE HILL **Lab Number:** L1006207

Project Number: JI-1747 **Report Date:** 05/07/10

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 14 Batch: WG410445-1									
Cyanide, Total	ND		mg/l	0.005	1	04/29/10 16:25	05/03/10 12:36	1,9010B/9012A	JO
General Chemistry - Westborough Lab for sample(s): 14 Batch: WG410473-2									
Nitrogen, Nitrate	ND		mg/l	0.10	1	-	04/29/10 19:46	30,4500NO3-F	DD
General Chemistry - Westborough Lab for sample(s): 14 Batch: WG410653-1									
Phosphorus, Total	ND		mg/l	0.010	1	-	04/30/10 16:00	30,4500P-E	ST
General Chemistry - Westborough Lab for sample(s): 14 Batch: WG410803-1									
Nitrogen, Ammonia	ND		mg/l	0.075	1	05/03/10 01:10	05/04/10 21:47	30,4500NH3-BH	AT
General Chemistry - Westborough Lab for sample(s): 14 Batch: WG410990-1									
Sulfide	ND		mg/l	0.10	1	05/03/10 17:30	05/03/10 18:30	1,9030B	AT
General Chemistry - Westborough Lab for sample(s): 14 Batch: WG411163-1									
Total Organic Carbon	ND		mg/l	0.50	1	-	05/04/10 07:31	1,9060	DW

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006207
Report Date: 05/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 14 Batch: WG410445-2								
Cyanide, Total	110		-		80-120	-		
General Chemistry - Westborough Lab Associated sample(s): 14 Batch: WG410473-1								
Nitrogen, Nitrate	104		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 14 Batch: WG410653-2								
Phosphorus, Total	109		-		85-115	-		
General Chemistry - Westborough Lab Associated sample(s): 14 Batch: WG410803-2								
Nitrogen, Ammonia	100		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 14 Batch: WG410990-2								
Sulfide	91		-		75-125	-		
General Chemistry - Westborough Lab Associated sample(s): 14 Batch: WG411163-2								
Total Organic Carbon	94		-		90-110	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006207
Report Date: 05/07/10

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): 14 QC Batch ID: WG410445-3 WG410445-4 QC Sample: L1006173-01 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.223	112		0.220	110		80-120	2		30
General Chemistry - Westborough Lab Associated sample(s): 14 QC Batch ID: WG410473-3 QC Sample: L1006173-06 Client ID: MS Sample												
Nitrogen, Nitrate	0.36	4	4.6	106		-	-		83-113	-		17
General Chemistry - Westborough Lab Associated sample(s): 14 QC Batch ID: WG410653-3 QC Sample: L1006012-02 Client ID: MS Sample												
Phosphorus, Total	0.253	0.5	0.737	97		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 14 QC Batch ID: WG410803-4 QC Sample: L1006321-01 Client ID: MS Sample												
Nitrogen, Ammonia	0.404	4	4.05	91		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 14 QC Batch ID: WG410990-3 QC Sample: L1006106-12 Client ID: MS Sample												
Sulfide	ND	0.2	0.18	90		-	-		70-130	-		20
General Chemistry - Westborough Lab Associated sample(s): 14 QC Batch ID: WG411163-3 QC Sample: L1006207-14 Client ID: SW-12												
Total Organic Carbon	ND	4	4.3	107		-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006207
Report Date: 05/07/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 14 QC Batch ID: WG410473-4 QC Sample: L1006173-06 Client ID: DUP Sample						
Nitrogen, Nitrate	0.36	0.36	mg/l	0		17
General Chemistry - Westborough Lab Associated sample(s): 14 QC Batch ID: WG410653-4 QC Sample: L1006012-02 Client ID: DUP Sample						
Phosphorus, Total	0.253	0.254	mg/l	0		20
General Chemistry - Westborough Lab Associated sample(s): 14 QC Batch ID: WG410803-3 QC Sample: L1006155-02 Client ID: DUP Sample						
Nitrogen, Ammonia	0.180	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 14 QC Batch ID: WG410990-4 QC Sample: L1006106-13 Client ID: DUP Sample						
Sulfide	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 14 QC Batch ID: WG411163-4 QC Sample: L1006106-12 Client ID: DUP Sample						
Total Organic Carbon	4.0	4.1	mg/l	2		20

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006207
Report Date: 05/07/10

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(*)
L1006207-01A	Vial HCl preserved	A	N/A	2	Y	Absent	8260(14)
L1006207-01B	Vial HCl preserved	A	N/A	2	Y	Absent	8260(14)
L1006207-01C	Amber 1000ml unpreserved	C	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006207-01D	Amber 1000ml unpreserved	C	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006207-01E	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)
L1006207-01F	Vial HCl preserved	A	N/A	2	Y	Absent	8260(14)
L1006207-01G	Vial HCl preserved	A	N/A	2	Y	Absent	8260(14)
L1006207-01H	Amber 1000ml unpreserved	C	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006207-01I	Amber 1000ml unpreserved	C	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006207-01J	Plastic 250ml HNO3 preserved	C	<2	2	Y	Absent	TL-6020T(180),CR-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),V-6020T(180),CD-6020T(180),NA-TI(180)
L1006207-01K	Vial HCl preserved	A	N/A	2	Y	Absent	8260(14)
L1006207-01L	Vial HCl preserved	A	N/A	2	Y	Absent	8260(14)
L1006207-01M	Amber 1000ml unpreserved	C	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006207-01N	Amber 1000ml unpreserved	C	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006207-01O	Plastic 250ml HNO3 preserved	C	<2	2	Y	Absent	TL-6020T(180),CR-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),V-6020T(180),CD-6020T(180),NA-TI(180)
L1006207-02A	Vial HCl preserved	A	N/A	2	Y	Absent	8260(14)

*Values in parentheses indicate holding time in days

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006207
Report Date: 05/07/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1006207-02B	Vial HCl preserved	A	N/A	2	Y	Absent	8260(14)
L1006207-02C	Amber 1000ml unpreserved	C	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006207-02D	Amber 1000ml unpreserved	C	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006207-02E	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)
L1006207-03A	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1006207-03B	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1006207-03C	Amber 1000ml unpreserved	C	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006207-03D	Amber 1000ml unpreserved	C	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006207-03E	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)
L1006207-04A	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1006207-04B	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1006207-04C	Amber 1000ml unpreserved	B	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006207-04D	Amber 1000ml unpreserved	B	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006207-04E	Plastic 250ml 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)
L1006207-05A	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1006207-05B	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1006207-05C	Amber 1000ml unpreserved	B	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006207-05D	Amber 1000ml unpreserved	B	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006207-05E	Plastic 250ml 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)
L1006207-06A	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1006207-06B	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1006207-06C	Amber 1000ml unpreserved	B	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006207-06D	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
Project Number: JI-1747

Lab Number: L1006207
Report Date: 05/07/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1006207-06E	Plastic 250ml 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)
L1006207-07A	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1006207-07B	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1006207-07C	Amber 1000ml unpreserved	B	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006207-07D	Amber 1000ml unpreserved	B	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006207-07E	Plastic 250ml 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)
L1006207-08A	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1006207-08B	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1006207-08C	Amber 1000ml unpreserved	A	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006207-08D	Amber 1000ml unpreserved	A	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006207-08E	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)
L1006207-09A	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1006207-09B	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1006207-09C	Amber 1000ml unpreserved	A	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006207-09D	Amber 1000ml unpreserved	A	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006207-09E	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)
L1006207-10A	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1006207-10B	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1006207-10C	Amber 1000ml unpreserved	A	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006207-10D	Amber 1000ml unpreserved	A	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)

*Values in parentheses indicate holding time in days

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006207
Report Date: 05/07/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1006207-10E	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)
L1006207-11A	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1006207-11B	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1006207-11C	Amber 1000ml unpreserved	A	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006207-11D	Amber 1000ml unpreserved	A	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006207-11E	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)
L1006207-12A	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1006207-12B	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1006207-12C	Amber 1000ml unpreserved	B	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006207-12D	Amber 1000ml unpreserved	B	7	2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006207-12E	Plastic 250ml 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)
L1006207-13A	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1006207-13B	Vial HCl preserved	C	N/A	2	Y	Absent	8260(14)
L1006207-14A	Vial H2SO4 preserved	C	N/A	2	Y	Absent	TOC-9060(28)
L1006207-14B	Vial H2SO4 preserved	C	N/A	2	Y	Absent	TOC-9060(28)
L1006207-14C	Plastic 500ml H2SO4 preserved	C	<2	2	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1006207-14D	Plastic 500ml unpreserved	C	7	2	Y	Absent	-
L1006207-14E	Plastic 250ml unpreserved	C	7	2	Y	Absent	NO3-4500(2)
L1006207-14F	Plastic 250ml NaOH preserved	C	>12	2	Y	Absent	TCN-9010(14)
L1006207-14G	Plastic 250ml Zn Acetate/NaOH pr	C	>12	2	Y	Absent	SULFIDE-9030(7)
L1006207-14H	Plastic 250ml Zn Acetate/NaOH pr	C	>12	2	Y	Absent	SULFIDE-9030(7)
L1006207-14I	Plastic 250ml Zn Acetate/NaOH pr	C	>12	2	Y	Absent	SULFIDE-9030(7)
L1006207-14J	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)

*Values in parentheses indicate holding time in days

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006207
Report Date: 05/07/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1006207-14K	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)
L1006207-14X	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)

Container Comments

L1006207-09C

*Values in parentheses indicate holding time in days

Project Name:	ROSE HILL	**Lab Number:**	L1006207
Project Number:	JI-1747	**Report Date:**	05/07/10

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.
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.
RDL	· Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL 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.
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 RDL. (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 reported detection limit (RDL) for the sample.

Report Format: Data Usability Report

Project Name:	ROSE HILL	**Lab Number:**	L1006207
Project Number:	JI-1747	**Report Date:**	05/07/10

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 March 16, 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: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium 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, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, 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), Reactivity. Organic Parameters: PCBs, 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, 9221E, 9222B, 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. Organic Parameters: 504.1, 524.2, SM 6251B.)
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.)

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.)

Utah Department of Health Certificate/Lab ID: AAMA. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: Chloride EPA 300.0)

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, 314, 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.)

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.)

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.

05071017:51

CHAIN OF CUSTODY

PAGE 1 OF 3

Date Rec'd in Lab: 4/28/10

ALPHA Job #: L1006207

ALPHA ANALYTICAL

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: Louis Berger

Address: 295 Promenade St
Providence, RI 02903

Phone: (401) 521-5980

Fax:

Email: shogan@louisberger.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Rose Hill

Project Location: S. Kingstown

Project #: J1 17-47

Project Manager: Chris Feery

ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 5/5/10 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

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS: VOC-8260 | SVOCs-8270 | Total Metals

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
06207.1	MW-11-S	7/28/10	7:40	GW	SH	2	2	1		5
1	MS (MW 11-S)		7:40							
1	MSD (MW 11-S)		7:40							
2	MW 11-DO		8:41							
3	MW 11-BR		9:26							
4	MW-06 DO		10:55							
5	Duplicate (MW-06)		10:55							
6	MW-05S		11:57							
7	MW 13-S		12:55							
8	Rep #11		~~10:10~~ 1:00							

Container Type	V	A	P
Preservative	B	B	C

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	5/28/10 16:[illegible]	[illegible]	4/28/10 1830
[illegible]	4/28/10 1830	[illegible]	4/28/10 1830

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 Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

05071017:51

CHAIN OF CUSTODY

PAGE 2 OF 3

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/29/10

ALPHA Job #: L1006207

Client Information

Client: Louis Berger

Address: 295 Promenade St Providence, RI 02908

Phone: 521-5980

Fax:

Email: shogne@laisberger.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Roe Hill

Project Location: RIDEM

Project #: JI 1747

Project Manager: Chris Feeney

ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 5/5/10 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

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC-8260	SVOC-8270	Total Metals	Sample Specific Comments	Total # Bottles
06207 9	Duplicate-res (Res-11)	7/28/10	1:00	GW	SH	2	2	1		5
10	Res #10	↓	1:30	↓	↓	↓	↓	↓		↓
11	Res #11	↓	2:10	↓	↓	↓	↓	↓		↓
12	Field Blank	↓	2:20	↓	↓	↓	↓	↓		↓
13	Trip Blk	↓	NA	NA	MM	2	0	0		2

SAMPLE HANDLING

Filtration

☐ Done

☐ Not needed

☐ Lab to do

Preservation

☐ Lab to do

(Please specify below)

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Container Type	V	A	P
Preservative	B	A	C

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible] 5/28/10 1620	4/28/10 1630	[illegible]	4/28/10 1630
[illegible]	4/28/10 1830	[illegible]	4/28/10 1830

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 Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 3 OF 3

Date Rec'd in Lab: 4/28/10

ALPHA Job #: L1006207

ALPHA ANALYTICAL

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

05071017-51

Client Information

Client: Louis Berger
Address: 295 Promenade St.
Providence, RI 02908
Phone: 521-5980
Fax:
Email: shogne@louisberger.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Rose Hill
Project Location: S. Kingstown, RI
Project #: J1-1717
Project Manager: Chris Feeney
ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 5/5/10 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

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

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	Alk/HPhos	TCN	TCL	NO3	Dissolved Metals	Hardness					Sample Specific Comments	TOTAL # BOTTLES
06207.14	SW-12	4/28/10	9:15	SW	SH	3	1	1	2	1	1	1						11

Container Type	P	P	P	V	P	P	P	P
Preservative	E	N	A	N	A	A	E	Y

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/28/10 1830	[signature]	4/28/10 1830

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 Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

ANALYTICAL REPORT

Lab Number:	L1006360
Client:	Louis A. Berger & Associates 295 Promenade Street Providence, RI 02908
ATTN:	Chris Feeney
Phone:	(401) 521-5980
Project Name:	ROSE HILL
Project Number:	JI-1747
Report Date:	08/27/10

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
Project Number: JI-1747

Lab Number: L1006360
Report Date: 08/27/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1006360-01	SW-13	S. KINGSTOWN, RI	04/30/10 08:30
L1006360-02	SW-2	S. KINGSTOWN, RI	04/30/10 09:08
L1006360-03	SW-1	S. KINGSTOWN, RI	04/30/10 09:55
L1006360-04	SW-6	S. KINGSTOWN, RI	04/30/10 11:02
L1006360-05	FIELD BLANK	S. KINGSTOWN, RI	04/30/10 11:10
L1006360-06	SW-13 -MS/MSD	S. KINGSTOWN, RI	04/30/10 08:30

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006360
Report Date: 08/27/10

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.

Report Submission

This report replaces the report issued May 11, 2010. The Chain of Custody and Client Identifications have been amended on L1006360-02 and -03.

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: 08/27/10

METALS

Project Name: ROSE HILL
Project Number: JI-1747
Lab Number: L1006360
Report Date: 08/27/10

SAMPLE RESULTS

Lab ID: L1006360-01
Client ID: SW-13
Sample Location: S. KINGSTOWN, RI
Matrix: Water

Date Collected: 04/30/10 08:30
Date Received: 04/30/10
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	0.155		mg/l	0.010	--	1	05/03/10 11:40	05/05/10 21:34	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 21:34	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 21:34	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 21:34	EPA 3005A	1,6020	BM
Copper, Total	0.0024		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 21:34	EPA 3005A	1,6020	BM
Iron, Total	0.183		mg/l	0.050	--	1	05/03/10 11:40	05/05/10 21:34	EPA 3005A	1,6020	BM
Lead, Total	0.0007		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 21:34	EPA 3005A	1,6020	BM
Manganese, Total	0.0086		mg/l	0.0010	--	1	05/03/10 11:40	05/05/10 21:34	EPA 3005A	1,6020	BM
Nickel, Total	0.0006		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 21:34	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 21:34	EPA 3005A	1,6020	BM
Zinc, Total	0.0344		mg/l	0.0050	--	1	05/03/10 11:40	05/05/10 21:34	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab											
Hardness	8.7		mg/l	0.66	--	1	05/03/10 11:40	05/07/10 15:45	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.098		mg/l	0.010	--	1	05/03/10 11:40	05/05/10 20:28	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 20:28	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 20:28	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 20:28	EPA 3005A	1,6020	BM
Copper, Dissolved	0.001		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 20:28	EPA 3005A	1,6020	BM
Iron, Dissolved	0.144		mg/l	0.050	--	1	05/03/10 11:40	05/05/10 20:28	EPA 3005A	1,6020	BM
Lead, Dissolved	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 20:28	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.0072		mg/l	0.0010	--	1	05/03/10 11:40	05/05/10 20:28	EPA 3005A	1,6020	BM
Nickel, Dissolved	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 20:28	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 20:28	EPA 3005A	1,6020	BM
Zinc, Dissolved	0.0078		mg/l	0.0050	--	1	05/03/10 11:40	05/05/10 20:28	EPA 3005A	1,6020	BM

Project Name: ROSE HILL
Project Number: JI-1747
Lab Number: L1006360
Report Date: 08/27/10

SAMPLE RESULTS

Lab ID: L1006360-02
Client ID: SW-2
Sample Location: S. KINGSTOWN, RI
Matrix: Water

Date Collected: 04/30/10 09:08
Date Received: 04/30/10
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	0.514		mg/l	0.010	--	1	05/03/10 11:40	05/05/10 21:58	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 21:58	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 21:58	EPA 3005A	1,6020	BM
Chromium, Total	0.0007		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 21:58	EPA 3005A	1,6020	BM
Copper, Total	0.0011		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 21:58	EPA 3005A	1,6020	BM
Iron, Total	0.820		mg/l	0.050	--	1	05/03/10 11:40	05/05/10 21:58	EPA 3005A	1,6020	BM
Lead, Total	0.0040		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 21:58	EPA 3005A	1,6020	BM
Manganese, Total	0.0834		mg/l	0.0010	--	1	05/03/10 11:40	05/05/10 21:58	EPA 3005A	1,6020	BM
Nickel, Total	0.0006		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 21:58	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 21:58	EPA 3005A	1,6020	BM
Zinc, Total	0.0097		mg/l	0.0050	--	1	05/03/10 11:40	05/05/10 21:58	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab											
Hardness	16		mg/l	0.66	--	1	05/03/10 11:40	05/07/10 16:38	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.085		mg/l	0.010	--	1	05/03/10 11:40	05/05/10 20:52	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 20:52	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 20:52	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 20:52	EPA 3005A	1,6020	BM
Copper, Dissolved	0.0007		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 20:52	EPA 3005A	1,6020	BM
Iron, Dissolved	0.110		mg/l	0.050	--	1	05/03/10 11:40	05/05/10 20:52	EPA 3005A	1,6020	BM
Lead, Dissolved	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 20:52	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.0193		mg/l	0.0010	--	1	05/03/10 11:40	05/05/10 20:52	EPA 3005A	1,6020	BM
Nickel, Dissolved	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 20:52	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 20:52	EPA 3005A	1,6020	BM
Zinc, Dissolved	0.0051		mg/l	0.0050	--	1	05/03/10 11:40	05/05/10 20:52	EPA 3005A	1,6020	BM

Project Name: ROSE HILL
Project Number: JI-1747
Lab Number: L1006360
Report Date: 08/27/10

SAMPLE RESULTS

Lab ID: L1006360-03
Client ID: SW-1
Sample Location: S. KINGSTOWN, RI
Matrix: Water

Date Collected: 04/30/10 09:55
Date Received: 04/30/10
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	0.148		mg/l	0.010	--	1	05/03/10 11:40	05/05/10 22:04	EPA 3005A	1,6020	BM
Arsenic, Total	0.0020		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 22:04	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 22:04	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 22:04	EPA 3005A	1,6020	BM
Copper, Total	0.0051		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 22:04	EPA 3005A	1,6020	BM
Iron, Total	7.37		mg/l	0.050	--	1	05/03/10 11:40	05/05/10 22:04	EPA 3005A	1,6020	BM
Lead, Total	0.0389		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 22:04	EPA 3005A	1,6020	BM
Manganese, Total	0.5133		mg/l	0.0010	--	1	05/03/10 11:40	05/05/10 22:04	EPA 3005A	1,6020	BM
Nickel, Total	0.0011		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 22:04	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 22:04	EPA 3005A	1,6020	BM
Zinc, Total	0.0131		mg/l	0.0050	--	1	05/03/10 11:40	05/05/10 22:04	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab											
Hardness	15		mg/l	0.66	--	1	05/03/10 11:40	05/07/10 16:41	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	ND		mg/l	0.010	--	1	05/03/10 11:40	05/05/10 20:58	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 20:58	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 20:58	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 20:58	EPA 3005A	1,6020	BM
Copper, Dissolved	0.0009		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 20:58	EPA 3005A	1,6020	BM
Iron, Dissolved	0.151		mg/l	0.050	--	1	05/03/10 11:40	05/05/10 20:58	EPA 3005A	1,6020	BM
Lead, Dissolved	0.0006		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 20:58	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.3177		mg/l	0.0010	--	1	05/03/10 11:40	05/05/10 20:58	EPA 3005A	1,6020	BM
Nickel, Dissolved	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 20:58	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 20:58	EPA 3005A	1,6020	BM
Zinc, Dissolved	0.0056		mg/l	0.0050	--	1	05/03/10 11:40	05/05/10 20:58	EPA 3005A	1,6020	BM

Project Name: ROSE HILL
Project Number: JI-1747
Lab Number: L1006360
Report Date: 08/27/10

SAMPLE RESULTS

Lab ID: L1006360-04
Client ID: SW-6
Sample Location: S. KINGSTOWN, RI
Matrix: Water

Date Collected: 04/30/10 11:02
Date Received: 04/30/10
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	0.133		mg/l	0.010	--	1	05/03/10 11:40	05/05/10 22:10	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 22:10	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 22:10	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 22:10	EPA 3005A	1,6020	BM
Copper, Total	0.0006		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 22:10	EPA 3005A	1,6020	BM
Iron, Total	0.701		mg/l	0.050	--	1	05/03/10 11:40	05/05/10 22:10	EPA 3005A	1,6020	BM
Lead, Total	0.0009		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 22:10	EPA 3005A	1,6020	BM
Manganese, Total	0.1259		mg/l	0.0010	--	1	05/03/10 11:40	05/05/10 22:10	EPA 3005A	1,6020	BM
Nickel, Total	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 22:10	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 22:10	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	--	1	05/03/10 11:40	05/05/10 22:10	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab											
Hardness	16		mg/l	0.66	--	1	05/03/10 11:40	05/07/10 16:45	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.069		mg/l	0.010	--	1	05/03/10 11:40	05/05/10 21:04	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 21:04	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 21:04	EPA 3005A	1,6020	BM
Chromium, Dissolved	0.0009		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 21:04	EPA 3005A	1,6020	BM
Copper, Dissolved	0.0008		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 21:04	EPA 3005A	1,6020	BM
Iron, Dissolved	0.286		mg/l	0.050	--	1	05/03/10 11:40	05/05/10 21:04	EPA 3005A	1,6020	BM
Lead, Dissolved	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 21:04	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.0973		mg/l	0.0010	--	1	05/03/10 11:40	05/05/10 21:04	EPA 3005A	1,6020	BM
Nickel, Dissolved	0.0005		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 21:04	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 21:04	EPA 3005A	1,6020	BM
Zinc, Dissolved	ND		mg/l	0.0050	--	1	05/03/10 11:40	05/05/10 21:04	EPA 3005A	1,6020	BM

Project Name: ROSE HILL
Project Number: JI-1747
Lab Number: L1006360
Report Date: 08/27/10

SAMPLE RESULTS

Lab ID: L1006360-05
Client ID: FIELD BLANK
Sample Location: S. KINGSTOWN, RI
Matrix: Water

Date Collected: 04/30/10 11:10
Date Received: 04/30/10
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	05/03/10 11:40	05/05/10 21:10	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 21:10	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 21:10	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 21:10	EPA 3005A	1,6020	BM
Copper, Total	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 21:10	EPA 3005A	1,6020	BM
Iron, Total	ND		mg/l	0.050	--	1	05/03/10 11:40	05/05/10 21:10	EPA 3005A	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 21:10	EPA 3005A	1,6020	BM
Manganese, Total	ND		mg/l	0.0010	--	1	05/03/10 11:40	05/05/10 21:10	EPA 3005A	1,6020	BM
Nickel, Total	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 21:10	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 21:10	EPA 3005A	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	--	1	05/03/10 11:40	05/05/10 21:10	EPA 3005A	1,6020	BM
Total Hardness by SM 2340B - Westborough Lab											
Hardness	ND		mg/l	0.66	--	1	05/03/10 11:40	05/07/10 16:48	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	ND		mg/l	0.010	--	1	05/03/10 11:40	05/05/10 17:53	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 17:53	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 17:53	EPA 3005A	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 17:53	EPA 3005A	1,6020	BM
Copper, Dissolved	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 17:53	EPA 3005A	1,6020	BM
Iron, Dissolved	ND		mg/l	0.050	--	1	05/03/10 11:40	05/05/10 17:53	EPA 3005A	1,6020	BM
Lead, Dissolved	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 17:53	EPA 3005A	1,6020	BM
Manganese, Dissolved	ND		mg/l	0.0010	--	1	05/03/10 11:40	05/05/10 17:53	EPA 3005A	1,6020	BM
Nickel, Dissolved	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 17:53	EPA 3005A	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 17:53	EPA 3005A	1,6020	BM
Zinc, Dissolved	ND		mg/l	0.0050	--	1	05/03/10 11:40	05/05/10 17:53	EPA 3005A	1,6020	BM

Project Name: ROSE HILL **Lab Number:** L1006360

Project Number: JI-1747 **Report Date:** 08/27/10

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): 01-05 Batch: WG410884-1										
Aluminum, Dissolved	ND		mg/l	0.010	--	1	05/03/10 11:40	05/05/10 16:41	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 16:41	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 16:41	1,6020	BM
Chromium, Dissolved	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 16:41	1,6020	BM
Copper, Dissolved	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 16:41	1,6020	BM
Iron, Dissolved	ND		mg/l	0.050	--	1	05/03/10 11:40	05/05/10 16:41	1,6020	BM
Lead, Dissolved	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 16:41	1,6020	BM
Manganese, Dissolved	ND		mg/l	0.0010	--	1	05/03/10 11:40	05/05/10 16:41	1,6020	BM
Nickel, Dissolved	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 16:41	1,6020	BM
Silver, Dissolved	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 16:41	1,6020	BM
Zinc, Dissolved	ND		mg/l	0.0050	--	1	05/03/10 11:40	05/05/10 16:41	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): 01-05 Batch: WG410886-1										
Aluminum, Total	ND		mg/l	0.010	--	1	05/03/10 11:40	05/05/10 16:47	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 16:47	1,6020	BM
Cadmium, Total	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 16:47	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 16:47	1,6020	BM
Copper, Total	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 16:47	1,6020	BM
Iron, Total	ND		mg/l	0.050	--	1	05/03/10 11:40	05/05/10 16:47	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 16:47	1,6020	BM
Manganese, Total	ND		mg/l	0.0010	--	1	05/03/10 11:40	05/05/10 16:47	1,6020	BM
Nickel, Total	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 16:47	1,6020	BM
Silver, Total	ND		mg/l	0.0005	--	1	05/03/10 11:40	05/05/10 16:47	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	--	1	05/03/10 11:40	05/05/10 16:47	1,6020	BM

Project Name: ROSE HILL **Lab Number:** L1006360

Project Number: JI-1747 **Report Date:** 08/27/10

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
Total Hardness by SM 2340B - Westborough Lab for sample(s): 01-05 Batch: WG410887-1										
Hardness	ND		mg/l	0.66	--	1	05/03/10 11:40	05/07/10 15:39	1,6010B	AI

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006360
Report Date: 08/27/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-05 Batch: WG410884-2								
Aluminum, Dissolved	92		-		80-120	-		
Arsenic, Dissolved	101		-		80-120	-		
Cadmium, Dissolved	106		-		80-120	-		
Chromium, Dissolved	94		-		80-120	-		
Copper, Dissolved	97		-		80-120	-		
Iron, Dissolved	100		-		80-120	-		
Lead, Dissolved	103		-		80-120	-		
Manganese, Dissolved	92		-		80-120	-		
Nickel, Dissolved	98		-		80-120	-		
Silver, Dissolved	95		-		80-120	-		
Zinc, Dissolved	100		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006360
Report Date: 08/27/10

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-05 Batch: WG410886-2					
Aluminum, Total	94	-	80-120	-	
Arsenic, Total	101	-	80-120	-	
Cadmium, Total	106	-	80-120	-	
Chromium, Total	96	-	80-120	-	
Copper, Total	100	-	80-120	-	
Iron, Total	106	-	80-120	-	
Lead, Total	104	-	80-120	-	
Manganese, Total	94	-	80-120	-	
Nickel, Total	100	-	80-120	-	
Silver, Total	98	-	80-120	-	
Zinc, Total	101	-	80-120	-	
Total Hardness by SM 2340B - Westborough Lab Associated sample(s): 01-05 Batch: WG410887-2					
Hardness	88	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006360
Report Date: 08/27/10

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): 01-05 QC Batch ID: WG410884-3 WG410884-4 QC Sample: L1006360-01 Client ID: SW-13												
Aluminum, Dissolved	0.098	2	2.06	98		2.02	96		80-120	2		20
Arsenic, Dissolved	ND	0.12	0.1297	108		0.1253	104		80-120	4		20
Cadmium, Dissolved	ND	0.051	0.0575	113		0.0562	110		80-120	3		20
Chromium, Dissolved	ND	0.2	0.1975	99		0.1936	97		80-120	2		20
Copper, Dissolved	0.001	0.25	0.2568	102		0.2514	100		80-120	2		20
Iron, Dissolved	0.144	1	1.18	104		1.17	103		80-120	1		20
Lead, Dissolved	ND	0.51	0.5519	108		0.5418	106		80-120	2		20
Manganese, Dissolved	0.0072	0.5	0.4884	96		0.4788	94		80-120	2		20
Nickel, Dissolved	ND	0.5	0.5117	102		0.5055	101		80-120	1		20
Silver, Dissolved	ND	0.05	0.0516	103		0.0497	99		80-120	4		20
Zinc, Dissolved	0.0078	0.5	0.5159	102		0.5155	102		80-120	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006360
Report Date: 08/27/10

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): 01-05 QC Batch ID: WG410886-3 WG410886-4 QC Sample: L1006360-01 Client ID: SW-13									
Aluminum, Total	0.155	2	2.05	95	2.10	97	80-120	2	20
Arsenic, Total	ND	0.12	0.1210	101	0.1228	102	80-120	1	20
Cadmium, Total	ND	0.051	0.0547	107	0.0560	110	80-120	3	20
Chromium, Total	ND	0.2	0.1912	96	0.1964	98	80-120	2	20
Copper, Total	0.0024	0.25	0.2502	99	0.2548	101	80-120	2	20
Iron, Total	0.183	1	1.17	99	1.21	103	80-120	4	20
Lead, Total	0.0007	0.51	0.5376	105	0.5556	109	80-120	4	20
Manganese, Total	0.0086	0.5	0.4759	93	0.4873	96	80-120	3	20
Nickel, Total	0.0006	0.5	0.4988	100	0.5084	102	80-120	2	20
Silver, Total	ND	0.05	0.0495	99	0.0504	101	80-120	2	20
Zinc, Total	0.0344	0.5	0.5384	101	0.5525	104	80-120	3	20
Total Hardness by SM 2340B - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG410887-3 WG410887-4 QC Sample: L1006360-01 Client ID: SW-13									
Hardness	8.7	66.2	68	90	69	91	75-125	1	20

INORGANICS
&
MISCELLANEOUS

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006360
Report Date: 08/27/10

SAMPLE RESULTS

Lab ID: L1006360-01
Client ID: SW-13
Sample Location: S. KINGSTOWN, RI
Matrix: Water

Date Collected: 04/30/10 08:30
Date Received: 04/30/10
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	05/03/10 17:45	05/05/10 12:37	1,9010B/9012A	JO
Nitrogen, Ammonia	0.116		mg/l	0.075	--	1	05/04/10 02:10	05/04/10 22:35	30,4500NH3-BH	AT
Nitrogen, Nitrate	ND		mg/l	0.10	--	1	-	05/01/10 00:27	30,4500NO3-F	DD
Phosphorus, Total	ND		mg/l	0.010	--	1	-	05/11/10 12:44	30,4500P-E	ST
Sulfide	ND		mg/l	0.10	--	1	05/05/10 18:00	05/05/10 19:00	1,9030B	AT
Total Organic Carbon	3.6		mg/l	0.50	--	1	-	05/07/10 07:25	30,5310C	DW

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006360
Report Date: 08/27/10

SAMPLE RESULTS

Lab ID: L1006360-02
Client ID: SW-2
Sample Location: S. KINGSTOWN, RI
Matrix: Water

Date Collected: 04/30/10 09:08
Date Received: 04/30/10
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	05/03/10 17:45	05/05/10 13:00	1,9010B/9012A	JO
Nitrogen, Ammonia	0.141		mg/l	0.075	--	1	05/04/10 02:10	05/04/10 22:38	30,4500NH3-BH	AT
Nitrogen, Nitrate	0.66		mg/l	0.10	--	1	-	05/01/10 00:18	30,4500NO3-F	DD
Phosphorus, Total	0.081		mg/l	0.010	--	1	-	05/08/10 15:24	30,4500P-E	ST
Sulfide	ND		mg/l	0.10	--	1	05/05/10 18:00	05/05/10 19:00	1,9030B	AT
Total Organic Carbon	4.5		mg/l	0.50	--	1	-	05/07/10 07:25	30,5310C	DW

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006360
Report Date: 08/27/10

SAMPLE RESULTS

Lab ID: L1006360-03
Client ID: SW-1
Sample Location: S. KINGSTOWN, RI
Matrix: Water

Date Collected: 04/30/10 09:55
Date Received: 04/30/10
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	05/03/10 17:45	05/05/10 12:32	1,9010B/9012A	JO
Nitrogen, Ammonia	0.082		mg/l	0.075	--	1	05/04/10 02:10	05/04/10 22:41	30,4500NH3-BH	AT
Nitrogen, Nitrate	ND		mg/l	0.10	--	1	-	05/01/10 00:18	30,4500NO3-F	DD
Phosphorus, Total	0.046		mg/l	0.010	--	1	-	05/08/10 15:24	30,4500P-E	ST
Sulfide	ND		mg/l	0.10	--	1	05/05/10 18:00	05/05/10 19:00	1,9030B	AT
Total Organic Carbon	4.6		mg/l	0.50	--	1	-	05/07/10 07:25	30,5310C	DW

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006360
Report Date: 08/27/10

SAMPLE RESULTS

Lab ID: L1006360-04
Client ID: SW-6
Sample Location: S. KINGSTOWN, RI
Matrix: Water

Date Collected: 04/30/10 11:02
Date Received: 04/30/10
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	05/03/10 17:45	05/05/10 12:33	1,9010B/9012A	JO
Nitrogen, Ammonia	0.214		mg/l	0.075	--	1	05/04/10 02:10	05/04/10 22:42	30,4500NH3-BH	AT
Nitrogen, Nitrate	0.57		mg/l	0.10	--	1	-	05/01/10 00:19	30,4500NO3-F	DD
Phosphorus, Total	0.014		mg/l	0.010	--	1	-	05/08/10 15:25	30,4500P-E	ST
Sulfide	ND		mg/l	0.10	--	1	05/05/10 18:00	05/05/10 19:00	1,9030B	AT
Total Organic Carbon	4.3		mg/l	0.50	--	1	-	05/07/10 07:25	30,5310C	DW

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006360
Report Date: 08/27/10

SAMPLE RESULTS

Lab ID: L1006360-05
Client ID: FIELD BLANK
Sample Location: S. KINGSTOWN, RI
Matrix: Water

Date Collected: 04/30/10 11:10
Date Received: 04/30/10
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	05/03/10 17:45	05/05/10 12:57	1,9010B/9012A	JO
Nitrogen, Ammonia	ND		mg/l	0.075	--	1	05/04/10 02:10	05/04/10 22:43	30,4500NH3-BH	AT
Nitrogen, Nitrate	ND		mg/l	0.10	--	1	-	05/01/10 00:20	30,4500NO3-F	DD
Phosphorus, Total	ND		mg/l	0.010	--	1	-	05/08/10 15:25	30,4500P-E	ST
Sulfide	ND		mg/l	0.10	--	1	05/05/10 18:00	05/05/10 19:00	1,9030B	AT
Total Organic Carbon	ND		mg/l	0.50	--	1	-	05/07/10 07:25	30,5310C	DW

Project Name: ROSE HILL **Lab Number:** L1006360

Project Number: JI-1747 **Report Date:** 08/27/10

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): 01-05 Batch: WG410718-2										
Nitrogen, Nitrate	ND		mg/l	0.10	--	1	-	04/30/10 23:39	30,4500NO3-F	DD
General Chemistry - Westborough Lab for sample(s): 01-05 Batch: WG410937-1										
Cyanide, Total	ND		mg/l	0.005	--	1	05/03/10 17:45	05/05/10 12:06	1,9010B/9012A	JO
General Chemistry - Westborough Lab for sample(s): 01-05 Batch: WG411007-1										
Nitrogen, Ammonia	ND		mg/l	0.075	--	1	05/04/10 02:10	05/04/10 22:19	30,4500NH3-BH	AT
General Chemistry - Westborough Lab for sample(s): 01-05 Batch: WG411475-1										
Sulfide	ND		mg/l	0.10	--	1	05/05/10 18:00	05/05/10 19:00	1,9030B	AT
General Chemistry - Westborough Lab for sample(s): 01-05 Batch: WG411756-1										
Total Organic Carbon	ND		mg/l	0.50	--	1	-	05/07/10 07:25	30,5310C	DW
General Chemistry - Westborough Lab for sample(s): 02-05 Batch: WG411950-1										
Phosphorus, Total	ND		mg/l	0.010	--	1	-	05/08/10 15:23	30,4500P-E	ST
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG412360-1										
Phosphorus, Total	ND		mg/l	0.010	--	1	-	05/11/10 12:26	30,4500P-E	ST

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006360
Report Date: 08/27/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 Batch: WG410718-1								
Nitrogen, Nitrate	102		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-05 Batch: WG410937-2								
Cyanide, Total	107		-		80-120	-		
General Chemistry - Westborough Lab Associated sample(s): 01-05 Batch: WG411007-2								
Nitrogen, Ammonia	100		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-05 Batch: WG411475-2								
Sulfide	91		-		75-125	-		
General Chemistry - Westborough Lab Associated sample(s): 01-05 Batch: WG411756-2								
Total Organic Carbon	94		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 02-05 Batch: WG411950-2								
Phosphorus, Total	91		-		85-115	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG412360-2								
Phosphorus, Total	97		-		85-115	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006360
Report Date: 08/27/10

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): 01-05 QC Batch ID: WG410718-3 QC Sample: L1006360-01 Client ID: SW-13												
Nitrogen, Nitrate	ND	4	4.2	105		-	-		83-113	-		17
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG410937-3 WG410937-4 QC Sample: L1006360-01 Client ID: SW-13												
Cyanide, Total	ND	0.2	0.204	102		0.202	101		80-120	1		30
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG411007-4 QC Sample: L1006360-01 Client ID: SW-13												
Nitrogen, Ammonia	0.116	4	3.82	93		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG411475-3 QC Sample: L1006360-01 Client ID: SW-13												
Sulfide	ND	0.2	0.18	90		-	-		70-130	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG411756-3 QC Sample: L1006360-01 Client ID: SW-13												
Total Organic Carbon	3.6	4	7.8	106		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 02-05 QC Batch ID: WG411950-3 QC Sample: L1006753-01 Client ID: MS Sample												
Phosphorus, Total	0.041	0.5	0.526	102		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG412360-3 QC Sample: L1006360-01 Client ID: SW-13												
Phosphorus, Total	ND	0.5	0.504	101		-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006360
Report Date: 08/27/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG410718-4 QC Sample: L1006360-01 Client ID: SW-13						
Nitrogen, Nitrate	ND	ND	mg/l	NC		17
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG411007-3 QC Sample: L1006360-01 Client ID: SW-13						
Nitrogen, Ammonia	0.116	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG411475-4 QC Sample: L1006360-01 Client ID: SW-13						
Sulfide	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG411756-4 QC Sample: L1006360-01 Client ID: SW-13						
Total Organic Carbon	3.6	3.8	mg/l	5		20
General Chemistry - Westborough Lab Associated sample(s): 02-05 QC Batch ID: WG411950-4 QC Sample: L1006655-02 Client ID: DUP Sample						
Phosphorus, Total	0.190	0.188	mg/l	1		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG412360-4 QC Sample: L1006360-01 Client ID: SW-13						
Phosphorus, Total	ND	ND	mg/l	NC		20

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006360
Report Date: 08/27/10

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(*)
L1006360-01A	Vial H2SO4 preserved	A	N/A	2	Y	Absent	TOC-5310(28)
L1006360-01B	Vial H2SO4 preserved	A	N/A	2	Y	Absent	TOC-5310(28)
L1006360-01C	Plastic 500ml H2SO4 preserved	B	<2	2	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1006360-01D	Plastic 500ml unpreserved	B	7	2	Y	Absent	-
L1006360-01E	Plastic 250ml unpreserved	B	7	2	Y	Absent	NO3-4500(2)
L1006360-01F	Plastic 250ml Zn Acetate/NaOH pr	B	>12	2	Y	Absent	SULFIDE-9030(7)
L1006360-01G	Plastic 250ml Zn Acetate/NaOH pr	B	>12	2	Y	Absent	SULFIDE-9030(7)
L1006360-01H	Plastic 250ml Zn Acetate/NaOH pr	B	>12	2	Y	Absent	SULFIDE-9030(7)
L1006360-01I	Plastic 250ml NaOH preserved	B	>12	2	Y	Absent	TCN-9010(14)
L1006360-01J	Plastic 250ml HNO3 preserved	B	<2	2	Y	Absent	HARDT(180)
L1006360-01K	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)
L1006360-01L	Vial H2SO4 preserved	A	N/A	2	Y	Absent	TOC-5310(28)
L1006360-01M	Vial H2SO4 preserved	A	N/A	2	Y	Absent	TOC-5310(28)
L1006360-01N	Plastic 500ml H2SO4 preserved	B	<2	2	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1006360-01O	Plastic 500ml unpreserved	B	7	2	Y	Absent	-
L1006360-01P	Plastic 250ml unpreserved	B	7	2	Y	Absent	NO3-4500(2)
L1006360-01Q	Plastic 250ml Zn Acetate/NaOH pr	B	>12	2	Y	Absent	SULFIDE-9030(7)
L1006360-01R	Plastic 250ml Zn Acetate/NaOH pr	B	>12	2	Y	Absent	SULFIDE-9030(7)
L1006360-01S	Plastic 250ml Zn Acetate/NaOH pr	B	>12	2	Y	Absent	SULFIDE-9030(7)
L1006360-01T	Plastic 250ml NaOH preserved	B	>12	2	Y	Absent	TCN-9010(14)
L1006360-01U	Plastic 250ml HNO3 preserved	B	<2	2	Y	Absent	HARDT(180)

*Values in parentheses indicate holding time in days

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006360
Report Date: 08/27/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1006360-01V	Plastic 500ml 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)
L1006360-01X	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)
L1006360-02A	Vial H2SO4 preserved	A	N/A	2	Y	Absent	TOC-5310(28)
L1006360-02B	Vial H2SO4 preserved	A	N/A	2	Y	Absent	TOC-5310(28)
L1006360-02C	Plastic 500ml H2SO4 preserved	B	<2	2	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1006360-02D	Plastic 500ml unpreserved	B	7	2	Y	Absent	-
L1006360-02E	Plastic 250ml unpreserved	B	7	2	Y	Absent	NO3-4500(2)
L1006360-02F	Plastic 250ml Zn Acetate/NaOH pr	A	>12	2	Y	Absent	SULFIDE-9030(7)
L1006360-02G	Plastic 250ml Zn Acetate/NaOH pr	A	>12	2	Y	Absent	SULFIDE-9030(7)
L1006360-02H	Plastic 250ml Zn Acetate/NaOH pr	A	>12	2	Y	Absent	SULFIDE-9030(7)
L1006360-02I	Plastic 250ml NaOH preserved	B	>12	2	Y	Absent	TCN-9010(14)
L1006360-02J	Plastic 250ml HNO3 preserved	B	<2	2	Y	Absent	HARDT(180)
L1006360-02K	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)
L1006360-02X	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)
L1006360-03A	Vial H2SO4 preserved	A	N/A	2	Y	Absent	TOC-5310(28)
L1006360-03B	Vial H2SO4 preserved	A	N/A	2	Y	Absent	TOC-5310(28)
L1006360-03C	Plastic 500ml H2SO4 preserved	B	<2	2	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1006360-03D	Plastic 500ml unpreserved	B	7	2	Y	Absent	-
L1006360-03E	Plastic 250ml unpreserved	B	7	2	Y	Absent	NO3-4500(2)
L1006360-03F	Plastic 250ml Zn Acetate/NaOH pr	A	>12	2	Y	Absent	SULFIDE-9030(7)
L1006360-03G	Plastic 250ml Zn Acetate/NaOH pr	A	>12	2	Y	Absent	SULFIDE-9030(7)
L1006360-03H	Plastic 250ml Zn Acetate/NaOH pr	A	>12	2	Y	Absent	SULFIDE-9030(7)
L1006360-03I	Plastic 250ml NaOH preserved	B	>12	2	Y	Absent	TCN-9010(14)
L1006360-03J	Plastic 250ml HNO3 preserved	B	<2	2	Y	Absent	HARDT(180)

*Values in parentheses indicate holding time in days

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006360
Report Date: 08/27/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1006360-03K	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)
L1006360-03X	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)
L1006360-04A	Vial H2SO4 preserved	A	N/A	2	Y	Absent	TOC-5310(28)
L1006360-04B	Vial H2SO4 preserved	A	N/A	2	Y	Absent	TOC-5310(28)
L1006360-04C	Plastic 500ml H2SO4 preserved	A	<2	2	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1006360-04D	Plastic 500ml unpreserved	A	7	2	Y	Absent	-
L1006360-04E	Plastic 250ml unpreserved	A	7	2	Y	Absent	NO3-4500(2)
L1006360-04F	Plastic 250ml Zn Acetate/NaOH pr	B	>12	2	Y	Absent	SULFIDE-9030(7)
L1006360-04G	Plastic 250ml Zn Acetate/NaOH pr	B	>12	2	Y	Absent	SULFIDE-9030(7)
L1006360-04H	Plastic 250ml Zn Acetate/NaOH pr	B	>12	2	Y	Absent	SULFIDE-9030(7)
L1006360-04I	Plastic 250ml NaOH preserved	B	>12	2	Y	Absent	TCN-9010(14)
L1006360-04J	Plastic 250ml HNO3 preserved	A	<2	2	Y	Absent	HARDT(180)
L1006360-04K	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)
L1006360-04X	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)
L1006360-05A	Vial H2SO4 preserved	A	N/A	2	Y	Absent	TOC-5310(28)
L1006360-05B	Vial H2SO4 preserved	A	N/A	2	Y	Absent	TOC-5310(28)
L1006360-05C	Plastic 500ml H2SO4 preserved	A	<2	2	Y	Absent	TPHOS-4500(28),NH3-4500(28)
L1006360-05D	Plastic 500ml unpreserved	A	7	2	Y	Absent	-
L1006360-05E	Plastic 250ml unpreserved	A	7	2	Y	Absent	NO3-4500(2)
L1006360-05F	Plastic 250ml Zn Acetate/NaOH pr	B	>12	2	Y	Absent	SULFIDE-9030(7)
L1006360-05G	Plastic 250ml Zn Acetate/NaOH pr	B	>12	2	Y	Absent	SULFIDE-9030(7)
L1006360-05H	Plastic 250ml Zn Acetate/NaOH pr	B	>12	2	Y	Absent	SULFIDE-9030(7)
L1006360-05I	Plastic 250ml NaOH preserved	B	>12	2	Y	Absent	TCN-9010(14)
L1006360-05J	Plastic 250ml HNO3 preserved	A	<2	2	Y	Absent	HARDT(180)

*Values in parentheses indicate holding time in days

Project Name: ROSE HILL
Project Number: JI-1747

Lab Number: L1006360
Report Date: 08/27/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1006360-05K	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)
L1006360-05X	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)
L1006360-06A	Vial H2SO4 preserved	A	N/A	2	Y	Absent	HOLD(14)
L1006360-06B	Vial H2SO4 preserved	A	N/A	2	Y	Absent	HOLD(14)
L1006360-06C	Plastic 500ml H2SO4 preserved	B	<2	2	Y	Absent	HOLD(14)
L1006360-06D	Plastic 500ml unpreserved	B	7	2	Y	Absent	HOLD(14)
L1006360-06E	Plastic 250ml unpreserved	B	7	2	Y	Absent	HOLD(14)
L1006360-06F	Plastic 250ml Zn Acetate/NaOH pr	B	>12	2	Y	Absent	HOLD(14)
L1006360-06G	Plastic 250ml Zn Acetate/NaOH pr	B	>12	2	Y	Absent	HOLD(14)
L1006360-06H	Plastic 250ml Zn Acetate/NaOH pr	B	>12	2	Y	Absent	HOLD(14)
L1006360-06I	Plastic 250ml NaOH preserved	B	>12	2	Y	Absent	HOLD(14)
L1006360-06J	Plastic 250ml HNO3 preserved	B	<2	2	Y	Absent	HOLD(14)
L1006360-06K	Plastic 250ml HNO3 preserved	B	<2	2	Y	Absent	HOLD(14)

Container Comments

L1006360-01C

*Values in parentheses indicate holding time in days

Project Name: ROSE HILL **Lab Number:** L1006360
Project Number: JI-1747 **Report Date:** 08/27/10

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	**Lab Number:**	L1006360
Project Number:	JI-1747	**Report Date:**	08/27/10

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 **Lab Number:** L1006360
Project Number: JI-1747 **Report Date:** 08/27/10

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 1

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/30/10

ALPHA Job #: L1006360

Client Information

Client: Louis Berger
Address: 295 Promenade St Providence, RI 02908
Phone: (401) 521 5980
Fax:
Email: shogg@louisberger.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Rose Hill
Project Location: Kingstown, RI
Project #: J1-1749
Project Manager: Chris Feeney
ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 5/11/10 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

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples):

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	Solids	Solids with HPHs	TCN	TOC	NO3	Dissolved Metals	Metals	Hardness					Sample Specific Comments	TOTAL # BOTTLES
06360 1	SW-13	4/30/10	8:30	SW	SH	3	1	1	2	1	1	2	1						11
1	MS (SW-13)		8:30																
1	MSD (SW-13)		8:30																
2	~~SW-1~~ SW-2		9:08															Samples in bottles labeled "SW-1" are for SW-2	
3	~~SW-2~~ SW-1		9:55															Samples in bottles labeled "SW-2" are SW-1	
4	SW-6		11:02																
5	Field Blank		11:10	NA															

Container Type: P P P P P P P P
Preservative: NaOH E D A A C C

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/30/10 4:02	[signature]	4/30/10 1630
[signature]	4/30/10 1825	[signature]	4/30/10 1825

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 Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

Serial_No:08271022:2

2nd QUARTER

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 **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		
Analytical Method:	1,8260B		
Analytical Date:	07/22/10 11:48		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	1.4		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	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

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												
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

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												
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 **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	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 **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	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 **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	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 **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	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 **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	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 **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	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 **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	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 **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	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 **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-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 **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	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 **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	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 **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	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 **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	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
Client ID: MW11S
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/19/10 08:25
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	0.012		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 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

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
Client ID: MW11BR
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/19/10 09:42
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	0.020		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 Date Collected: 07/19/10 09:46

Client ID: SW12 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	0.042		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.

Serial_No:07261018:19

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	MW11DD		9:08			2	2	1											5
-3	MW11BR		9:42			2	2	1											5
-4	MW6DD		11:20			1	2	1											4
-5	Dup (MW6DD)		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
P. Gillent	7/19/10 3:05	P. Gillent	7/19/10 1430
P. Gillent	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)

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

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
10855 9	SW12	7/19/10	9:46	SW	SH	3	1	1	2	1	1	1	1						14
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. Gilbert	7/19/10 3:15	P. Gilbert	7/19/10 14:30
P. Gilbert	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

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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.

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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 -

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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 **Lab Number:** L1010950

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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

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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

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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

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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		
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

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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

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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 **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		
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 **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		
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 **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		
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 **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
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 **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
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	07/22/10 20:45		
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: L1010950-09 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

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

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	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 **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	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 **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	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 **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	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 **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	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 **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	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 **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	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 **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	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 **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	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 **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	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 **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	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 **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	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 **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	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 **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	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 **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	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 **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
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 **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
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 **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
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 **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
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 **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
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
Client ID: MW12DO
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/20/10 12:43
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	0.013		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 Date Collected: 07/20/10 11:00

Client ID: SW17 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	0.110		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

Date Rec'd in Lab: 7/20/10

ALPHA Job #: L1010950

ALPHA ANALYTICAL

Westborough, MA
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: Louis Berger Group
Address: 295 Promenade Street
Providence, RI
Phone: 401 521-5980
Fax:
Email: shogan@louisberger.com

☐ These samples have been Previously analyzed by Alpha

Project Information

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
10950	1	mw 04S	7/20/10	8:35	GW	SH	2	2	1											5
	1	MS(mw 04S)		8:35																
	1	MSD(mw04S)		8:35																
	2	mw04D		9:28																
	3	mw03BR		10:24																
	4	Dup (mw03BR)		10:24																
	5	mw3S		11:09																
	6	mw12S		12:03																
	7	mw12D		12:03																
	8	mw13S		2:34																

Container Type	V	A	P	-	-	-	-	-	-	-	-	-
Preservative	B	A	C	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	7/20/10 1:15	[signature]	7/20/10 1540
[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

CHAIN OF CUSTODY

PAGE 2 OF 3

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

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
[illegible]	7/20/10 1:45	[illegible]	7/20/10 1:54
[illegible]	7/20/10 17:35	[illegible]	7/20/10 17:35

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ)
(rev. 29-APR-09)

Serial_No: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
☒ 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
11	SW09	7/20/10	9:35	SW	SLL	3	1	1	2	1	1	1	1						5
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	↓	12:40	↓	↓	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	Date Collected:	07/21/10 12:50
Client ID:	GP-18	Date Received:	07/21/10
Sample Location:	SOUTH KINGSTOWN, RI	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15		
Analytical Date:	07/22/10 17:22		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - Mansfield Lab								
Propylene	2.32	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
Lab Number: L1011000
Project Number: JI-1747
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
Lab Number: L1011000
Project Number: JI-1747
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
Lab Number: L1011000
Project Number: JI-1747
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 **Lab Number:** L1011000

Project Number: JI-1747 **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 **Lab Number:** L1011000

Project Number: JI-1747 **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 **Lab Number:** L1011000

Project Number: JI-1747 **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 **Lab Number:** L1011000

Project Number: JI-1747 **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

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	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 **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

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 **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

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 **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

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

PAGE 1 OF

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: 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:

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	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)
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 1630

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 #:

Client Information

Client: Louis Berger

Address: 295 Promenade Street

Providence, RI 02908

Phone: 401 521-5980

Fax:

Email: shogan@louisberger.com

Turn-Around-Time

☒ Standard ☐ Rush (only confirmed if pre-approved)

Date Due: Time:

☐ These samples have been Previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Report/Data Deliverables Information

☐ FAX ☐ EMAIL

☒ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Analysis

All Columns Below Must Be Filled Out

Alpha Lab Use Only	Sample ID	Collection Date	Collection Start Time	Collection End Time	Initial Vac	Final Vac	Sample Matrix*	Sampler Initials	Can Size	ID Can	ID Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Specific Comments (i.e. PID)
L1011000-7	GF	7/21	8:16	12:41	-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. Gillent	7/21/10 15:55
P. Gillent	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 **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		
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 **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
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 **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	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 **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	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 **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	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 **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	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 **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	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 **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	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 **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	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 **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	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 **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
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 **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
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 **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-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
Client ID: RES #10
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/21/10 08:28
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 01:23	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
Client ID: RES #7
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Water

Date Collected: 07/21/10 09:07
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	0.014		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
Lab Number: L1011043
Project Number: JI-1747
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
Lab Number: L1011043
Project Number: JI-1747
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

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	VOC-8260	SVOCs-8270	Total Metals	Sample Specific Comments	TOTAL # BOTTLES
11043 1	Rec#10	7/21	8:28	GW	JLH	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. Gillett	7/21 3:15	P. Gillett	7/21/10 15:55
P. Gillett	7/21/10 17:20		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 / Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program | Criteria

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Sulfide	NH3, TPhos	TCN	TOC	NO3	Dissolved Metals	Total Metals	Hardness					Sample Specific Comments	TOTAL # BOTTLES
1043, 6	SW2	7/21	10:10	SW	SH	3	1	1	2	1	1	1	1						11
7	SW1		10:26																
8	SW13		11:13																
8	MS (SW13)		11:17																
8	MSD (SW13)		11:17																
9	SW06		12:10																
10	Field Blank		12:20	—															

3rd QUARTER

LABORATORY ANALYTICAL REPORTS

ANALYTICAL REPORT

Lab Number:	L1017224
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:	11/03/10

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: L1017224
Report Date: 11/03/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1017224-01	GP-18	SOUTH KINGSTOWN, RI	10/26/10 13:58
L1017224-02	GP-16	SOUTH KINGSTOWN, RI	10/26/10 00:00
L1017224-03	GP-11	SOUTH KINGSTOWN, RI	10/26/10 14:05
L1017224-04	DUP (GP-11)	SOUTH KINGSTOWN, RI	10/26/10 14:05
L1017224-05	FIELD BLANK	SOUTH KINGSTOWN, RI	10/26/10 13:30
L1017224-06	GP-21	SOUTH KINGSTOWN, RI	10/26/10 13:40
L1017224-07	GF	SOUTH KINGSTOWN, RI	10/26/10 13:43

Project Name: ROSE HILL LANDFILL **Lab Number:** L1017224
Project Number: JI-1747 **Report Date:** 11/03/10

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.

The canister certification results are provided as an addendum.

The internal standards were within method criteria.

Volatile Organics in Air

L1017224-01, -03, -04, -06, -07 and WG440786-5 Duplicate results for Propylene 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: 11/03/10

AIR

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1017224
Report Date: 11/03/10

SAMPLE RESULTS

Lab ID: L1017224-01
Client ID: GP-18
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 11/02/10 17:17
Analyst: AJ

Date Collected: 10/26/10 13:58
Date Received: 10/29/10
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	2.54	0.200	--	4.37	0.344	--		1
Dichlorodifluoromethane	0.521	0.200	--	2.57	0.988	--		1
Chloromethane	1.00	0.200	--	2.06	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	0.776	--		1
Chloroethane	ND	0.200	--	ND	0.527	--		1
Trichlorofluoromethane	0.277	0.200	--	1.56	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	0.454	0.200	--	1.41	0.622	--		1
Freon-113	0.283	0.200	--	2.17	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	17.1	0.200	--	50.3	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	0.499	0.200	--	1.76	0.704	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.297	0.200	--	0.948	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: L1017224
Report Date: 11/03/10

SAMPLE RESULTS

Lab ID: L1017224-01
Client ID: GP-18
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 10/26/10 13:58
Date Received: 10/29/10
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	0.256	0.200	--	1.37	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	3.70	0.200	--	14.0	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	0.354	0.200	--	1.54	0.868	--		1
p/m-Xylene	1.06	0.400	--	4.62	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	0.275	0.200	--	1.19	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: L1017224
Project Number: JI-1747
Report Date: 11/03/10

SAMPLE RESULTS

Lab ID: L1017224-01
Client ID: GP-18
Sample Location: SOUTH KINGSTOWN, RI

Date Collected: 10/26/10 13:58
Date Received: 10/29/10
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	97		60-140
chlorobenzene-d5	96		60-140

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1017224
Report Date: 11/03/10

SAMPLE RESULTS

Lab ID: L1017224-03
Client ID: GP-11
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 11/02/10 18:28
Analyst: AJ

Date Collected: 10/26/10 14:05
Date Received: 10/29/10
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	2.29	0.200	--	3.94	0.344	--		1
Dichlorodifluoromethane	1.49	0.200	--	7.38	0.988	--		1
Chloromethane	1.23	0.200	--	2.54	0.413	--		1
Freon-114	0.574	0.200	--	4.01	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	0.292	0.200	--	1.64	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	1.25	0.200	--	3.88	0.622	--		1
Freon-113	0.381	0.200	--	2.92	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
1,1-Dichloroethane	0.242	0.200	--	0.979	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.720	--		1
2-Butanone	8.20	0.200	--	24.2	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	0.335	0.200	--	1.18	0.704	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.525	0.200	--	1.68	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: L1017224
Report Date: 11/03/10

SAMPLE RESULTS

Lab ID: L1017224-03
Client ID: GP-11
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 10/26/10 14:05
Date Received: 10/29/10
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	3.48	0.200	--	13.1	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	0.425	0.200	--	1.84	0.868	--		1
p/m-Xylene	1.21	0.400	--	5.23	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	0.309	0.200	--	1.34	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: L1017224
Project Number: JI-1747
Report Date: 11/03/10

SAMPLE RESULTS

Lab ID: L1017224-03
Client ID: GP-11
Sample Location: SOUTH KINGSTOWN, RI

Date Collected: 10/26/10 14:05
Date Received: 10/29/10
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	88		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	92		60-140

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1017224
Report Date: 11/03/10

SAMPLE RESULTS

Lab ID: L1017224-04
Client ID: DUP (GP-11)
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 11/02/10 19:03
Analyst: AJ

Date Collected: 10/26/10 14:05
Date Received: 10/29/10
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	2.30	0.200	--	3.96	0.344	--		1
Dichlorodifluoromethane	1.46	0.200	--	7.23	0.988	--		1
Chloromethane	1.32	0.200	--	2.72	0.413	--		1
Freon-114	0.500	0.200	--	3.49	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	0.302	0.200	--	1.70	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	1.31	0.200	--	4.08	0.622	--		1
Freon-113	0.452	0.200	--	3.46	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
1,1-Dichloroethane	0.246	0.200	--	0.995	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.720	--		1
2-Butanone	10.0	0.200	--	29.6	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	0.423	0.200	--	1.49	0.704	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.329	0.200	--	1.05	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: L1017224
Report Date: 11/03/10

SAMPLE RESULTS

Lab ID: L1017224-04
Client ID: DUP (GP-11)
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 10/26/10 14:05
Date Received: 10/29/10
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	8.49	0.200	--	32.0	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	0.475	0.200	--	2.06	0.868	--		1
p/m-Xylene	1.34	0.400	--	5.80	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	0.347	0.200	--	1.50	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: L1017224
Report Date: 11/03/10

SAMPLE RESULTS

Lab ID: L1017224-04
Client ID: DUP (GP-11)
Sample Location: SOUTH KINGSTOWN, RI

Date Collected: 10/26/10 14:05
Date Received: 10/29/10
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	97		60-140
chlorobenzene-d5	98		60-140

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1017224
Report Date: 11/03/10

SAMPLE RESULTS

Lab ID: L1017224-05
Client ID: FIELD BLANK
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 11/02/10 19:39
Analyst: AJ

Date Collected: 10/26/10 13:30
Date Received: 10/29/10
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	0.557	0.200	--	2.75	0.988	--		1
Chloromethane	0.588	0.200	--	1.21	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	0.324	0.200	--	1.82	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	0.464	0.200	--	3.55	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	0.258	0.200	--	0.760	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: L1017224
Report Date: 11/03/10

SAMPLE RESULTS

Lab ID: L1017224-05
Client ID: FIELD BLANK
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 10/26/10 13:30
Date Received: 10/29/10
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	0.443	0.200	--	1.67	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: L1017224
Project Number: JI-1747
Report Date: 11/03/10

SAMPLE RESULTS

Lab ID: L1017224-05
Client ID: FIELD BLANK
Sample Location: SOUTH KINGSTOWN, RI

Date Collected: 10/26/10 13:30
Date Received: 10/29/10
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	85		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	88		60-140

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1017224
Report Date: 11/03/10

SAMPLE RESULTS

Lab ID: L1017224-06
Client ID: GP-21
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 11/02/10 20:14
Analyst: AJ

Date Collected: 10/26/10 13:40
Date Received: 10/29/10
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	5.31	0.200	--	9.12	0.344	--		1
Dichlorodifluoromethane	0.532	0.200	--	2.63	0.988	--		1
Chloromethane	1.21	0.200	--	2.50	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.776	--		1
Chloroethane	ND	0.200	--	ND	0.527	--		1
Trichlorofluoromethane	0.282	0.200	--	1.58	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	1.86	0.200	--	5.79	0.622	--		1
Freon-113	0.319	0.200	--	2.44	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	36.5	0.200	--	107	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	0.857	0.200	--	3.02	0.704	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.449	0.200	--	1.43	0.638	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.397	0.200	--	1.36	0.688	--		1

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1017224
Report Date: 11/03/10

SAMPLE RESULTS

Lab ID: L1017224-06
Client ID: GP-21
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 10/26/10 13:40
Date Received: 10/29/10
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	93.0	0.200	--	350	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	0.676	0.400	--	2.93	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	0.225	0.200	--	0.976	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: L1017224
Project Number: JI-1747
Report Date: 11/03/10

SAMPLE RESULTS

Lab ID: L1017224-06
Client ID: GP-21
Sample Location: SOUTH KINGSTOWN, RI

Date Collected: 10/26/10 13:40
Date Received: 10/29/10
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	82		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	91		60-140

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1017224
Report Date: 11/03/10

SAMPLE RESULTS

Lab ID: L1017224-07
Client ID: GF
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 11/03/10 08:26
Analyst: AJ

Date Collected: 10/26/10 13:43
Date Received: 10/29/10
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	7.91	0.200	--	13.6	0.344	--		1
Dichlorodifluoromethane	0.622	0.200	--	3.07	0.988	--		1
Chloromethane	1.06	0.200	--	2.18	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.776	--		1
Chloroethane	ND	0.200	--	ND	0.527	--		1
Trichlorofluoromethane	0.392	0.200	--	2.20	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Methylene chloride	1.23	1.00	--	4.26	3.47	--		1
Carbon disulfide	0.837	0.200	--	2.60	0.622	--		1
Freon-113	0.866	0.200	--	6.63	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	46.6	0.200	--	137	0.589	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Chloroform	0.727	0.200	--	3.55	0.976	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.732	0.200	--	2.58	0.704	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.351	0.200	--	1.12	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: L1017224
Report Date: 11/03/10

SAMPLE RESULTS

Lab ID: L1017224-07
Client ID: GF
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 10/26/10 13:43
Date Received: 10/29/10
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	0.212	0.200	--	1.14	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	34.7	0.200	--	130	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	0.274	0.200	--	1.19	0.868	--		1
p/m-Xylene	0.761	0.400	--	3.30	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	0.266	0.200	--	1.15	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: L1017224
Report Date: 11/03/10

SAMPLE RESULTS

Lab ID: L1017224-07
Client ID: GF
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 10/26/10 13:43
Date Received: 10/29/10
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	100		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	101		60-140

Project Name: ROSE HILL LANDFILL **Lab Number:** L1017224

Project Number: JI-1747 **Report Date:** 11/03/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 11/02/10 12:42

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): 01,03-07 Batch: WG440786-4								
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: L1017224
Report Date: 11/03/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 11/02/10 12:42

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): 01,03-07 Batch: WG440786-4								
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

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1017224
Report Date: 11/03/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01,03-07 Batch: WG440786-3								
Propylene	87		-		70-130	-		
Dichlorodifluoromethane	98		-		70-130	-		
Chloromethane	94		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	99		-		70-130	-		
Vinyl chloride	98		-		70-130	-		
1,3-Butadiene	99		-		70-130	-		
Bromomethane	96		-		70-130	-		
Chloroethane	100		-		70-130	-		
Trichlorofluoromethane	103		-		70-130	-		
1,1-Dichloroethene	104		-		70-130	-		
Methylene chloride	94		-		70-130	-		
Carbon disulfide	93		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	102		-		70-130	-		
trans-1,2-Dichloroethene	94		-		70-130	-		
1,1-Dichloroethane	99		-		70-130	-		
Methyl tert butyl ether	88		-		70-130	-		
2-Butanone	88		-		70-130	-		
cis-1,2-Dichloroethene	102		-		70-130	-		
Chloroform	103		-		70-130	-		
1,2-Dichloroethane	103		-		70-130	-		
n-Hexane	100		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1017224
Report Date: 11/03/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01,03-07 Batch: WG440786-3								
1,1,1-Trichloroethane	102		-		70-130	-		
Benzene	99		-		70-130	-		
Carbon tetrachloride	110		-		70-130	-		
Cyclohexane	95		-		70-130	-		
1,2-Dichloropropane	97		-		70-130	-		
Trichloroethene	103		-		70-130	-		
cis-1,3-Dichloropropene	110		-		70-130	-		
trans-1,3-Dichloropropene	98		-		70-130	-		
1,1,2-Trichloroethane	104		-		70-130	-		
Toluene	97		-		70-130	-		
1,2-Dibromoethane	103		-		70-130	-		
Tetrachloroethene	107		-		70-130	-		
Chlorobenzene	102		-		70-130	-		
Ethylbenzene	98		-		70-130	-		
p/m-Xylene	98		-		70-130	-		
Styrene	103		-		70-130	-		
1,1,2,2-Tetrachloroethane	99		-		70-130	-		
o-Xylene	100		-		70-130	-		
1,3,5-Trimethylbenzene	99		-		70-130	-		
1,2,4-Trimethylbenzene	102		-		70-130	-		
Benzyl chloride	110		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROSE HILL LANDFILL

Project Number: JI-1747

Lab Number: L1017224

Report Date: 11/03/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01,03-07 Batch: WG440786-3								
1,3-Dichlorobenzene	110		-		70-130	-		
1,4-Dichlorobenzene	111		-		70-130	-		
1,2-Dichlorobenzene	109		-		70-130	-		
1,2,4-Trichlorobenzene	108		-		70-130	-		
Hexachlorobutadiene	107		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

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

Lab Number: L1017224
Report Date: 11/03/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01,03-07 QC Batch ID: WG440786-5 QC Sample: L1017224-01 Client ID: GP-18						
Propylene	2.54	2.48	ppbV	2		25
Dichlorodifluoromethane	0.521	0.514	ppbV	1		25
Chloromethane	1.00	0.940	ppbV	6		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	0.277	0.268	ppbV	3		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
Carbon disulfide	0.454	0.466	ppbV	3		25
Freon-113	0.283	0.294	ppbV	4		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	17.1	17.2	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: JI-1747

Lab Number: L1017224
Report Date: 11/03/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01,03-07 QC Batch ID: WG440786-5 QC Sample: L1017224-01 Client ID: GP-18					
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	0.499	0.548	ppbV	9	25
1,1,1-Trichloroethane	ND	ND	ppbV	NC	25
Benzene	0.297	0.288	ppbV	3	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Cyclohexane	ND	ND	ppbV	NC	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Trichloroethene	0.256	0.226	ppbV	12	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	3.70	3.66	ppbV	1	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	0.354	0.362	ppbV	2	25
p/m-Xylene	1.06	1.08	ppbV	2	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: L1017224
Report Date: 11/03/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01,03-07 QC Batch ID: WG440786-5 QC Sample: L1017224-01 Client ID: GP-18					
o-Xylene	0.275	0.258	ppbV	6	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:** L1017224

Project Number: JI-1747 **Report Date:** 11/03/10

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
L1017224-01	GP-18	0028	#20 AMB		-	-	9.0	9.4	4
L1017224-01	GP-18	414	2.7L Can	I1016236	-29.5	-3.3	-	-	-
L1017224-02	GP-16	0242	#20 AMB		-	-	8.9	9.3	4
L1017224-03	GP-11	0217	#90 SV		-	-	8.4	7.3	14
L1017224-03	GP-11	558	2.7L Can	I1016236	-29.3	-4.0	-	-	-
L1017224-04	DUP (GP-11)	0270	#90 SV		-	-	8.7	9.2	6
L1017224-04	DUP (GP-11)	484	2.7L Can	I1016236	-29.4	-3.9	-	-	-
L1017224-05	FIELD BLANK	0115	#16 SV		-	-	8.7	9.0	3
L1017224-05	FIELD BLANK	480	2.7L Can	I1016236	-29.4	-5.7	-	-	-
L1017224-06	GP-21	0169	#16 AMB		-	-	8.6	8.8	2
L1017224-06	GP-21	209	2.7L Can	I1016236	-29.5	-5.2	-	-	-
L1017224-07	GF	0202	#16 AMB		-	-	9.0	9.2	2
L1017224-07	GF	465	2.7L Can	I1016236	-29.1	-5.0	-	-	-

Air Volatiles Can Certification

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1016236
Report Date: 11/03/10

Air Canister Certification Results

Lab ID: L1016236-01
Client ID: CAN 114 SHELF 1
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 10/18/10 17:27
Analyst: AJ

Date Collected: 10/15/10 00:00
Date Received: 10/15/10
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:** L1016236

Project Number: CANISTER QC BAT **Report Date:** 11/03/10

Air Canister Certification Results

Lab ID: L1016236-01 Date Collected: 10/15/10 00:00

Client ID: CAN 114 SHELF 1 Date Received: 10/15/10

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								
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 **Lab Number:** L1016236

Project Number: CANISTER QC BAT **Report Date:** 11/03/10

Air Canister Certification Results

Lab ID: L1016236-01 Date Collected: 10/15/10 00:00

Client ID: CAN 114 SHELF 1 Date Received: 10/15/10

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								
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 **Lab Number:** L1016236

Project Number: CANISTER QC BAT **Report Date:** 11/03/10

Air Canister Certification Results

Lab ID: L1016236-01 Date Collected: 10/15/10 00:00

Client ID: CAN 114 SHELF 1 Date Received: 10/15/10

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	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:** L1016236

Project Number: CANISTER QC BAT **Report Date:** 11/03/10

Air Canister Certification Results

Lab ID: L1016236-01 Date Collected: 10/15/10 00:00

Client ID: CAN 114 SHELF 1 Date Received: 10/15/10

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								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	75		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	72		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1016236

Project Number: CANISTER QC BAT **Report Date:** 11/03/10

Air Canister Certification Results

Lab ID:	L1016236-01	Date Collected:	10/15/10 00:00
Client ID:	CAN 114 SHELF 1	Date Received:	10/15/10
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	10/18/10 17:27		
Analyst:	AJ		

	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	0.166	0.050	--	1.27	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 **Lab Number:** L1016236

Project Number: CANISTER QC BAT **Report Date:** 11/03/10

Air Canister Certification Results

Lab ID: L1016236-01 Date Collected: 10/15/10 00:00

Client ID: CAN 114 SHELF 1 Date Received: 10/15/10

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	0.020	0.020	--	0.075	0.075	--		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: L1016236
Project Number: CANISTER QC BAT
Report Date: 11/03/10

Air Canister Certification Results

Lab ID: L1016236-01
Client ID: CAN 114 SHELF 1
Sample Location:

Date Collected: 10/15/10 00:00
Date Received: 10/15/10
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								
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:** L1016236

Project Number: CANISTER QC BAT **Report Date:** 11/03/10

Air Canister Certification Results

Lab ID: L1016236-01 Date Collected: 10/15/10 00:00

Client ID: CAN 114 SHELF 1 Date Received: 10/15/10

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								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	75		60-140
bromochloromethane	86		60-140
chlorobenzene-d5	69		60-140

AIR Petro Can Certification

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1016236

Project Number: CANISTER QC BAT **Report Date:** 11/03/10

AIR CAN CERTIFICATION RESULTS

Lab ID:	L1016236-01	Date Collected:	10/15/10 00:00
Client ID:	CAN 114 SHELF 1	Date Received:	10/15/10
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	10/18/10 17:27		
Analyst:	AJ		

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: L1017224
Report Date: 11/03/10

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler	
N/A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1017224-01A	Canister - 2.7 Liter	N/A	NA		NA	Absent	TO15-LL(30)
L1017224-02A	Canister - 2.7 Liter	N/A	NA		NA	Absent	CLEAN-FEE()
L1017224-03A	Canister - 2.7 Liter	N/A	NA		NA	Absent	TO15-LL(30)
L1017224-04A	Canister - 2.7 Liter	N/A	NA		NA	Absent	TO15-LL(30)
L1017224-05A	Canister - 2.7 Liter	N/A	NA		NA	Absent	TO15-LL(30)
L1017224-06A	Canister - 2.7 Liter	N/A	NA		NA	Absent	TO15-LL(30)
L1017224-07A	Canister - 2.7 Liter	N/A	NA		NA	Absent	TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1017224
Project Number:	JI-1747	**Report Date:**	11/03/10

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:**	L1017224
Project Number:	JI-1747	**Report Date:**	11/03/10

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:** L1017224
Project Number: JI-1747 **Report Date:** 11/03/10

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

ALPHA ANALYTICAL
320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: L1017224

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
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

☐ 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)
17224-01	GP-18	10/26/10	9:54	1:58	-29.5	-8	SV	SH	2.7L	414	0028	☐	☒	☐	☐	☐	☐	☐	
-02	GP-16	10/26/10	9:59	—	-29.5	—	SV	SH	2.7L	147	0242	☐	☒	☐	☐	☐	☐	☐	Do not analyze
-03	GP-11	10/26/10	10:02	2:05	-29.3	-6.5	SV	SH	2.7L	558	0217	☐	☒	☐	☐	☐	☐	☐	
-04	DUP (GP-11)	10/26/10	10:02	2:06	-29.4	-7.5	AA	SH	2.7L	484	0270	☐	☒	☐	☐	☐	☐	☐	
-05	Field Blank	10/26/10	9:24	1:30	-29.4	-7.5	SV	SH	2.7L	480	0115	☐	☒	☐	☐	☐	☐	☐	
-06	GP-21	10/26/10	9:38	1:40	-28.5	-6	SV	SH	2.7L	209	0169	☐	☒	☐	☐	☐	☐	☐	
											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
P. Gilbert 10/28/10	3:00	P. Gilbert	10/29/10 14:35
P. Gilbert	10/29/10 15:25	[illegible]	10/29/10 15:25

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 20-Dec-09

Serial_No:11031018:01

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 #: L1017224

Project Information

Project Name: Roxbin

Project Location: S. Kingstown, RI

Project #: 31-1747

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)
17224-07	GF	10/26/10	9:47	1:43	-29.1	-5	SV	SH	2.7L	465	0202	☐	☒	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
											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]	10/28/10 5:00	[signature]	10/29/10 14:35
R. Gilbert	10/29/10 15:25	[signature]	10/29/10 15:25

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:11031018:01

4th QUARTER

LABORATORY ANALYTICAL REPORTS

ANALYTICAL REPORT

Lab Number:	L1101100
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:	02/04/11

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: JI-1747

Lab Number: L1101100
Report Date: 02/04/11

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1101100-01	GP-18	SOUTH KINGSTOWN, RI	01/25/11 15:54
L1101100-02	GP-16	SOUTH KINGSTOWN, RI	01/25/11 15:50
L1101100-03	GP-11	SOUTH KINGSTOWN, RI	01/25/11 15:47
L1101100-04	DUP (GP-11)	SOUTH KINGSTOWN, RI	01/25/11 15:47
L1101100-05	FIELD BLANK	SOUTH KINGSTOWN, RI	01/25/11 16:00
L1101100-06	GP-21	SOUTH KINGSTOWN, RI	01/25/11 16:00
L1101100-07	GF	SOUTH KINGSTOWN, RI	01/25/11 16:08

Project Name: ROSE HILL LANDFILL **Lab Number:** L1101100
Project Number: JI-1747 **Report Date:** 02/04/11

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.

The canister certification results are provided as an addendum.

Volatile Organics in Air
L1101100-06, -07, and WG453203-5 Duplicate: results for Propylene should be considered estimated due to co-elution with a non-target peak.

L1101100-07 and WG453203-5 Duplicate: have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample. The samples were re-analyzed due to quality control issues during the original analysis and then due to over dilution of the re-analysis . The results of the third analysis are reported.

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: 02/04/11

AIR

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1101100
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101100-01
Client ID: GP-18
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 01/28/11 23:28
Analyst: RY

Date Collected: 01/25/11 15:54
Date Received: 01/26/11
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	1.91	0.500	--	3.28	0.860	--		1
Dichlorodifluoromethane	0.540	0.200	--	2.67	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	0.265	0.200	--	1.49	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	7.66	0.200	--	22.6	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: L1101100
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101100-01
Client ID: GP-18
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 01/25/11 15:54
Date Received: 01/26/11
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	0.300	0.200	--	1.13	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	0.500	--	ND	3.71	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1101100
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101100-01
Client ID: GP-18
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 01/25/11 15:54
Date Received: 01/26/11
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								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	83		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	89		60-140

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1101100
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101100-02
Client ID: GP-16
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 01/29/11 00:05
Analyst: RY

Date Collected: 01/25/11 15:50
Date Received: 01/26/11
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	2.18	0.500	--	3.74	0.860	--		1
Dichlorodifluoromethane	1.53	0.200	--	7.58	0.988	--		1
Chloromethane	0.215	0.200	--	0.444	0.413	--		1
Freon-114	0.987	0.200	--	6.89	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	0.274	0.200	--	1.54	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	0.206	0.200	--	1.58	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	10.4	0.200	--	30.5	0.589	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Chloroform	0.339	0.200	--	1.65	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: L1101100
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101100-02
Client ID: GP-16
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 01/25/11 15:50
Date Received: 01/26/11
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	0.642	0.200	--	2.42	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	0.500	--	ND	3.71	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1101100
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101100-02
Client ID: GP-16
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 01/25/11 15:50
Date Received: 01/26/11
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								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	86		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	91		60-140

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1101100
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101100-03
Client ID: GP-11
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 01/29/11 00:44
Analyst: RY

Date Collected: 01/25/11 15:47
Date Received: 01/26/11
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	1.34	0.500	--	2.30	0.860	--		1
Dichlorodifluoromethane	1.47	0.200	--	7.28	0.988	--		1
Chloromethane	0.456	0.200	--	0.941	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	0.460	0.200	--	2.58	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	0.325	0.200	--	1.01	0.622	--		1
Freon-113	0.602	0.200	--	4.61	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	2.36	0.200	--	6.97	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	0.294	0.200	--	0.938	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: L1101100
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101100-03
Client ID: GP-11
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 01/25/11 15:47
Date Received: 01/26/11
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	0.343	0.200	--	1.29	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	0.500	--	ND	3.71	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1101100
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101100-03
Client ID: GP-11
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 01/25/11 15:47
Date Received: 01/26/11
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								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	80		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	84		60-140

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1101100
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101100-04
Client ID: DUP (GP-11)
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/29/11 01:21
Analyst: RY

Date Collected: 01/25/11 15:47
Date Received: 01/26/11
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	2.09	0.500	--	3.59	0.860	--		1
Dichlorodifluoromethane	1.98	0.200	--	9.80	0.988	--		1
Chloromethane	0.639	0.200	--	1.32	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	0.511	0.200	--	2.87	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	0.457	0.200	--	1.42	0.622	--		1
Freon-113	0.243	0.200	--	1.86	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	3.66	0.200	--	10.8	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	0.231	0.200	--	0.737	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: L1101100
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101100-04
Client ID: DUP (GP-11)
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 01/25/11 15:47
Date Received: 01/26/11
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	0.362	0.200	--	1.36	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	0.500	--	ND	3.71	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1101100
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101100-04
Client ID: DUP (GP-11)
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 01/25/11 15:47
Date Received: 01/26/11
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								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	77		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	82		60-140

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1101100
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101100-05
Client ID: FIELD BLANK
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 01/28/11 22:50
Analyst: RY

Date Collected: 01/25/11 16:00
Date Received: 01/26/11
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	0.475	0.200	--	2.35	0.988	--		1
Chloromethane	0.487	0.200	--	1.00	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	0.496	0.200	--	2.78	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	0.231	0.200	--	0.681	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	0.270	0.200	--	0.862	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: L1101100
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101100-05
Client ID: FIELD BLANK
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 01/25/11 16:00
Date Received: 01/26/11
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	0.256	0.200	--	0.964	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	0.500	--	ND	3.71	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1101100
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101100-05
Client ID: FIELD BLANK
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 01/25/11 16:00
Date Received: 01/26/11
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								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	83		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	91		60-140

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1101100
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101100-06
Client ID: GP-21
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 01/29/11 01:59
Analyst: RY

Date Collected: 01/25/11 16:00
Date Received: 01/26/11
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	1.66	0.500	--	2.85	0.860	--		1
Dichlorodifluoromethane	0.612	0.200	--	3.02	0.988	--		1
Chloromethane	0.216	0.200	--	0.446	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	0.300	0.200	--	0.766	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	0.274	0.200	--	1.54	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	0.278	0.200	--	0.865	0.622	--		1
Freon-113	0.211	0.200	--	1.62	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	8.40	0.200	--	24.8	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	0.666	0.200	--	2.34	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: L1101100
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101100-06
Client ID: GP-21
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 01/25/11 16:00
Date Received: 01/26/11
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	0.500	--	ND	3.71	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1101100
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101100-06
Client ID: GP-21
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 01/25/11 16:00
Date Received: 01/26/11
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								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	70		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	78		60-140

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1101100
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101100-07 D
Client ID: GF
Sample Location: SOUTH KINGSTOWN, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 01/29/11 12:00
Analyst: RY

Date Collected: 01/25/11 16:08
Date Received: 01/26/11
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	449	56.7	--	772	97.5	--		113.4
Dichlorodifluoromethane	141	22.7	--	699	112	--		113.4
Chloromethane	ND	22.7	--	ND	46.8	--		113.4
Freon-114	94.0	22.7	--	657	158	--		113.4
Vinyl chloride	8640	22.7	--	22000	57.9	--		113.4
1,3-Butadiene	ND	22.7	--	ND	50.1	--		113.4
Bromomethane	ND	22.7	--	ND	88.0	--		113.4
Chloroethane	836	22.7	--	2200	59.8	--		113.4
Trichlorofluoromethane	ND	22.7	--	ND	127	--		113.4
1,1-Dichloroethene	31.0	22.7	--	123	89.8	--		113.4
Methylene chloride	ND	113	--	ND	394	--		113.4
Carbon disulfide	ND	22.7	--	ND	70.6	--		113.4
Freon-113	24.8	22.7	--	190	174	--		113.4
trans-1,2-Dichloroethene	33.9	22.7	--	134	89.8	--		113.4
1,1-Dichloroethane	135	22.7	--	546	91.7	--		113.4
Methyl tert butyl ether	ND	22.7	--	ND	81.7	--		113.4
2-Butanone	ND	22.7	--	ND	66.8	--		113.4
cis-1,2-Dichloroethene	7100	22.7	--	28100	89.8	--		113.4
Chloroform	ND	22.7	--	ND	111.	--		113.4
1,2-Dichloroethane	ND	22.7	--	ND	91.7	--		113.4
n-Hexane	404	22.7	--	1420	79.9	--		113.4
1,1,1-Trichloroethane	241	22.7	--	1320	124	--		113.4
Benzene	70.1	22.7	--	224	72.4	--		113.4
Carbon tetrachloride	ND	22.7	--	ND	142.	--		113.4
Cyclohexane	185	22.7	--	636	78.0	--		113.4

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1101100
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101100-07 D
Client ID: GF
Sample Location: SOUTH KINGSTOWN, RI
Date Collected: 01/25/11 16:08
Date Received: 01/26/11
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	22.7	--	ND	105.	--		113.4
Trichloroethene	3060	22.7	--	16400	122	--		113.4
cis-1,3-Dichloropropene	ND	22.7	--	ND	103.	--		113.4
trans-1,3-Dichloropropene	ND	22.7	--	ND	103.	--		113.4
1,1,2-Trichloroethane	ND	22.7	--	ND	124.	--		113.4
Toluene	26.3	22.7	--	99.1	85.4	--		113.4
1,2-Dibromoethane	ND	22.7	--	ND	174.	--		113.4
Tetrachloroethene	ND	22.7	--	ND	154.	--		113.4
Chlorobenzene	ND	22.7	--	ND	104.	--		113.4
Ethylbenzene	ND	22.7	--	ND	98.4	--		113.4
p/m-Xylene	ND	45.4	--	ND	197.	--		113.4
Styrene	ND	22.7	--	ND	96.5	--		113.4
1,1,2,2-Tetrachloroethane	ND	22.7	--	ND	156.	--		113.4
o-Xylene	ND	22.7	--	ND	98.4	--		113.4
1,3,5-Trimethybenzene	ND	22.7	--	ND	111.	--		113.4
1,2,4-Trimethylbenzene	ND	22.7	--	ND	111.	--		113.4
Benzyl chloride	ND	22.7	--	ND	117.	--		113.4
1,3-Dichlorobenzene	ND	22.7	--	ND	136.	--		113.4
1,4-Dichlorobenzene	ND	22.7	--	ND	136.	--		113.4
1,2-Dichlorobenzene	ND	22.7	--	ND	136.	--		113.4
1,2,4-Trichlorobenzene	ND	56.7	--	ND	420.	--		113.4
Hexachlorobutadiene	ND	22.7	--	ND	242.	--		113.4

Project Name: ROSE HILL LANDFILL
Project Number: JI-1747
Lab Number: L1101100
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101100-07 D
Client ID: GF
Sample Location: SOUTH KINGSTOWN, RI

Date Collected: 01/25/11 16:08
Date Received: 01/26/11
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								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	83		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	93		60-140

Project Name: ROSE HILL LANDFILL **Lab Number:** L1101100

Project Number: JI-1747 **Report Date:** 02/04/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 01/28/11 15:39

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: WG453203-4								
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
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: L1101100
Report Date: 02/04/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 01/28/11 15:39

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: WG453203-4								
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	0.500	--	ND	3.71	--		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: L1101100
Report Date: 02/04/11

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: WG453203-3								
Propylene	86		-		70-130	-		
Dichlorodifluoromethane	101		-		70-130	-		
Chloromethane	89		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	102		-		70-130	-		
Vinyl chloride	96		-		70-130	-		
1,3-Butadiene	93		-		70-130	-		
Bromomethane	98		-		70-130	-		
Chloroethane	93		-		70-130	-		
Trichlorofluoromethane	100		-		70-130	-		
1,1-Dichloroethene	97		-		70-130	-		
Methylene chloride	86		-		70-130	-		
Carbon disulfide	93		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	102		-		70-130	-		
trans-1,2-Dichloroethene	93		-		70-130	-		
1,1-Dichloroethane	97		-		70-130	-		
Methyl tert butyl ether	100		-		70-130	-		
2-Butanone	105		-		70-130	-		
cis-1,2-Dichloroethene	100		-		70-130	-		
Chloroform	103		-		70-130	-		
1,2-Dichloroethane	97		-		70-130	-		
n-Hexane	77		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1101100
Report Date: 02/04/11

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: WG453203-3								
1,1,1-Trichloroethane	94		-		70-130	-		
Benzene	91		-		70-130	-		
Carbon tetrachloride	96		-		70-130	-		
Cyclohexane	86		-		70-130	-		
1,2-Dichloropropane	93		-		70-130	-		
Trichloroethene	100		-		70-130	-		
cis-1,3-Dichloropropene	102		-		70-130	-		
trans-1,3-Dichloropropene	86		-		70-130	-		
1,1,2-Trichloroethane	100		-		70-130	-		
Toluene	105		-		70-130	-		
1,2-Dibromoethane	109		-		70-130	-		
Tetrachloroethene	110		-		70-130	-		
Chlorobenzene	106		-		70-130	-		
Ethylbenzene	106		-		70-130	-		
p/m-Xylene	109		-		70-130	-		
Styrene	110		-		70-130	-		
1,1,2,2-Tetrachloroethane	110		-		70-130	-		
o-Xylene	106		-		70-130	-		
1,3,5-Trimethylbenzene	109		-		70-130	-		
1,2,4-Trimethylbenzene	114		-		70-130	-		
Benzyl chloride	108		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1101100
Report Date: 02/04/11

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: WG453203-3								
1,3-Dichlorobenzene	116		-		70-130	-		
1,4-Dichlorobenzene	116		-		70-130	-		
1,2-Dichlorobenzene	116		-		70-130	-		
1,2,4-Trichlorobenzene	106		-		70-130	-		
Hexachlorobutadiene	116		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

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

Lab Number: L1101100
Report Date: 02/04/11

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: WG453203-5 QC Sample: L1101100-07 Client ID: GF						
Propylene	449	527	ppbV	16		25
Dichlorodifluoromethane	141	164	ppbV	15		25
Chloromethane	ND	ND	ppbV	NC		25
Freon-114	94.0	105	ppbV	11		25
Vinyl chloride	8640	9610	ppbV	11		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	836	881	ppbV	5		25
Trichlorofluoromethane	ND	ND	ppbV	NC		25
1,1-Dichloroethene	31.0	33.9	ppbV	9		25
Methylene chloride	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	24.8	25.6	ppbV	3		25
trans-1,2-Dichloroethene	33.9	37.1	ppbV	9		25
1,1-Dichloroethane	135	150	ppbV	11		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	7100	7630	ppbV	7		25
Chloroform	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

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

Lab Number: L1101100
Report Date: 02/04/11

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: WG453203-5 QC Sample: L1101100-07 Client ID: GF					
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	404	458	ppbV	13	25
1,1,1-Trichloroethane	241	260	ppbV	8	25
Benzene	70.1	72.5	ppbV	3	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Cyclohexane	185	202	ppbV	9	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Trichloroethene	3060	3320	ppbV	8	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	26.3	27.8	ppbV	6	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: L1101100
Report Date: 02/04/11

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: WG453203-5 QC Sample: L1101100-07 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:** L1101100

Project Number: JI-1747 **Report Date:** 02/04/11

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
L1101100-01	GP-18	0216	#16 SV		-	-	8.8	9.3	6
L1101100-01	GP-18	484	2.7L Can	L1100019	-29.6	0.2	-	-	-
L1101100-02	GP-16	0310	#16 SV		-	-	8.7	8.7	0
L1101100-02	GP-16	367	2.7L Can	L1100019	-29.5	-1.5	-	-	-
L1101100-03	GP-11	0206	#90 SV		-	-	8.5	9.8	14
L1101100-03	GP-11	475	2.7L Can	L1100019	-29.6	2.9	-	-	-
L1101100-04	DUP (GP-11)	0137	#16 AMB		-	-	8.9	8.9	0
L1101100-04	DUP (GP-11)	109	2.7L Can	L1100019	-29.5	-2.0	-	-	-
L1101100-05	FIELD BLANK	0026	#16 AMB		-	-	8.5	8.5	0
L1101100-05	FIELD BLANK	190	2.7L Can	L1100019	-29.6	0.9	-	-	-
L1101100-06	GP-21	0059	#16 AMB		-	-	9.0	9.4	4
L1101100-06	GP-21	1733	2.7L Can	L1100019	-29.5	-1.2	-	-	-
L1101100-07	GF	0241	#20 SV		-	-	8.8	8.9	1
L1101100-07	GF	239	2.7L Can	L1100019	-29.6	0.4	-	-	-

Air Volatiles Can Certification

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1100019
Report Date: 02/04/11

Air Canister Certification Results

Lab ID:	L1100019-01	Date Collected:	12/30/10 00:00
Client ID:	CAN 173 SHELF 7	Date Received:	12/30/10
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15		
Analytical Date:	01/05/11 18:28		
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	0.606	--		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:** L1100019

Project Number: CANISTER QC BAT **Report Date:** 02/04/11

Air Canister Certification Results

Lab ID: L1100019-01 Date Collected: 12/30/10 00:00

Client ID: CAN 173 SHELF 7 Date Received: 12/30/10

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								
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 **Lab Number:** L1100019

Project Number: CANISTER QC BAT **Report Date:** 02/04/11

Air Canister Certification Results

Lab ID: L1100019-01 Date Collected: 12/30/10 00:00

Client ID: CAN 173 SHELF 7 Date Received: 12/30/10

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								
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 **Lab Number:** L1100019

Project Number: CANISTER QC BAT **Report Date:** 02/04/11

Air Canister Certification Results

Lab ID: L1100019-01 Date Collected: 12/30/10 00:00

Client ID: CAN 173 SHELF 7 Date Received: 12/30/10

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	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: L1100019
Project Number: CANISTER QC BAT
Report Date: 02/04/11

Air Canister Certification Results

Lab ID: L1100019-01
Client ID: CAN 173 SHELF 7
Sample Location:

Date Collected: 12/30/10 00:00
Date Received: 12/30/10
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	106		60-140
Bromochloromethane	120		60-140
chlorobenzene-d5	91		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1100019

Project Number: CANISTER QC BAT **Report Date:** 02/04/11

Air Canister Certification Results

Lab ID:	L1100019-01	Date Collected:	12/30/10 00:00
Client ID:	CAN 173 SHELF 7	Date Received:	12/30/10
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	01/05/11 18:28		
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	0.062	0.050	--	0.475	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 **Lab Number:** L1100019

Project Number: CANISTER QC BAT **Report Date:** 02/04/11

Air Canister Certification Results

Lab ID: L1100019-01 Date Collected: 12/30/10 00:00

Client ID: CAN 173 SHELF 7 Date Received: 12/30/10

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		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: L1100019
Project Number: CANISTER QC BAT
Report Date: 02/04/11

Air Canister Certification Results

Lab ID: L1100019-01
Client ID: CAN 173 SHELF 7
Sample Location:

Date Collected: 12/30/10 00:00
Date Received: 12/30/10
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								
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: L1100019
Project Number: CANISTER QC BAT
Report Date: 02/04/11

Air Canister Certification Results

Lab ID: L1100019-01
Client ID: CAN 173 SHELF 7
Sample Location:

Date Collected: 12/30/10 00:00
Date Received: 12/30/10
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								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	103		60-140
bromochloromethane	122		60-140
chlorobenzene-d5	88		60-140

AIR Petro Can Certification

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1100019

Project Number: CANISTER QC BAT **Report Date:** 02/04/11

AIR CAN CERTIFICATION RESULTS

Lab ID:	L1100019-01	Date Collected:	12/30/10 00:00
Client ID:	CAN 173 SHELF 7	Date Received:	12/30/10
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	01/05/11 20:08		
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: L1101100
Report Date: 02/04/11

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(*)
L1101100-01A	Canister - 2.7 Liter	N/A	NA		NA	Absent	TO15-LL(30)
L1101100-02A	Canister - 2.7 Liter	N/A	NA		NA	Absent	TO15-LL(30)
L1101100-03A	Canister - 2.7 Liter	N/A	NA		NA	Absent	TO15-LL(30)
L1101100-04A	Canister - 2.7 Liter	N/A	NA		NA	Absent	TO15-LL(30)
L1101100-05A	Canister - 2.7 Liter	N/A	NA		NA	Absent	TO15-LL(30)
L1101100-06A	Canister - 2.7 Liter	N/A	NA		NA	Absent	TO15-LL(30)
L1101100-07A	Canister - 2.7 Liter	N/A	NA		NA	Absent	TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	ROSE HILL LANDFILL	**Lab Number:**	L1101100
Project Number:	JI-1747	**Report Date:**	02/04/11

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:**	L1101100
Project Number:	JI-1747	**Report Date:**	02/04/11

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.

Project Name: ROSE HILL LANDFILL **Lab Number:** L1101100
Project Number: JI-1747 **Report Date:** 02/04/11

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 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

PAGE 1 OF 2

CHAIN OF CUSTODY

ALPHA ANALYTICAL
320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: L1101100

Project Information

Project Name: Rose Hill

Project Location: South Kingstown, RI

Project #: JI-1747

Project Manager: Chris Feeney

ALPHA Quote #:

Client Information

Client: Louis Berger

Address: 295 Promenade Street

Providence, RI 02908

Phone: 401 521-5980

Fax: 401 331-8956

Email: shogan@louisberger.com

Turn-Around-Time

☒ Standard ☐ Rush (only confirmed if pre-approved)

Date Due: Time:

☐ These samples have been Previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Report/Data Deliverables Information

☐ FAX ☐ EMAIL

☒ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Analysis

All Columns Below Must Be Filled Out

Alpha Lab Use Only	Sample ID	Collection Date	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)
1100-01	GP-18	1/25/11	11:30	3:54	-29.6		SV	SH	2.7L	484	0216	☐	☒	☐	☐	☐	☐	☐	
-02	GP-16	1/25/11	11:35	3:50	-29.5		SV	SH	2.7L	367	0310	☐	☒	☐	☐	☐	☐	☐	
-03	GP-11	1/25/11	11:44	3:47	-29.6		SV	SH	2.7L	475	0206	☐	☒	☐	☐	☐	☐	☐	
-04	DUP (GP-11)	1/25/11	11:44	3:47	-29.4		AA	SH	2.7L	109	0137	☐	☒	☐	☐	☐	☐	☐	
-05	Field Blank	1/25/11	11:53	4:00	-29.6		SV	SH	2.7L	190	0026	☐	☒	☐	☐	☐	☐	☐	
-06	GP-21	1/25/11	12:00	4:00	-29.5		SV	SH	2.7L	1733	0059	☐	☒	☐	☐	☐	☐	☐	
											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
	1/26/11 11:00am		1/26/11 [illegible]
	1/26/11 17:10		1/26/11 17:10

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 #: L1101100

Client Information

Client: Louis Berger
Address: 295 Promenade Street
Providence, RI 02908
Phone: 401 521-5980
Fax: 401 3318956
Email: shogan@louisberger.com

☐ These samples have been Previously analyzed by Alpha

Other Project Specific Requirements/Comments:

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:

Report/Data Deliverables Information

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Analysis

All Columns Below Must Be Filled Out

Alpha Lab Use Only	Sample ID	Collection Date	Collection Start Time	Collection End Time	Collection Initial Vac	Collection Final Vac	Sample Matrix*	Sampler Initials	Can Size	ID Can	ID Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Specific Comments (i.e. PID)
1100-07	GF	1/25/11	12:06	4:08	-29.6		SV	SH	2.7L	239	0241	☐	☒	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	
											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]	1/26/11 17:10	[illegible]	1/26/11 17:10

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