CDM

Nantucket, Massachusetts

Summary of Groundwater, Surface Water and Landfill Gas Sampling – Nantucket Landfill

March 2011

Report

dissolved solids (TDS)); measured hardness; dissolved metals (arsenic, barium, cadmium, calcium, chromium, copper, iron, lead, manganese, mercury, selenium, silver, sodium, and zinc); and parameters measured in the field (temperature, conductivity, dissolved oxygen, and pH) for surface water samples.

- Table 4A summarizes the calculated NRWQC and analytical results for the hardness dependent metals (cadmium, copper, lead, silver, and zinc) for surface water samples.
- Table 5 summarizes the analytical results of volatile organic compounds (VOCs) for surface water samples.
- Table 6 summarizes the results of landfill gas monitoring.

Analytical results that meet or exceed applicable standards appear shaded in each table. Appendix C contains a copy of the laboratory data sheets from Alpha Analytical Laboratories. The results of this sampling event are discussed below.

Groundwater Sampling

CDM collected groundwater samples from the following monitoring well locations: MW-1S, MW-1D, MW-3S, MW-3D, MW-5S, MW-5D, MW-6S, MW-6D, MW-7S, MW-7D, MW-8S, and MW-8D. Samples could not be obtained from locations MW-4S and MW-4D because the wells appeared to be buried in fill material. A field blank and a duplicate sample of MW-3D were analyzed for quality assurance/quality control purposes. Wells were purged five well volumes using a submersible pump prior to sampling. Samples for dissolved metals were field-filtered using a 0.45 micron filter. Groundwater generally flows east to west across the site.

The Massachusetts Solid Waste Management Regulations (310 CMR 19.000) require that sampling results be compared to the established Federal EPA Drinking Water Standards and the State Primary Maximum Contaminant Level (MCL) and Secondary Maximum Contaminant Level (SMCL) standards for each parameter. Table 2 presents the groundwater metals results.

MCLs and/or EPA Primary Standards were not exceeded in groundwater samples collected during this sample event.

SMCLs and/or EPA Secondary Standards were exceeded in the following groundwater samples:

- pH was below the SMCL and EPA Secondary Standard minimum of 6.5 in wells MW-3D, MW-5S, MW-6D, MW-6S, MW-7D, MW-7S, and MW-8D with pH ranging between 5.17 and 6.45.

- Chloride exceeded the SMCL of 250 mg/l in the sample collected from MW-5D with a concentration of 280 mg/l.
- Total dissolved solids exceeded the SMCL and EPA Secondary Standard of 500 mg/l in samples collected from MW-5D and MW-7S with concentrations of 590 mg/l and 770 mg/l, respectively.
- Arsenic met the SMCL and EPA Secondary Standard of 10 ug/l in the sample collected from MW-7S.
- Iron exceeded the SMCL and EPA Secondary Standard of 300 ug/l in samples collected from MW-3S and MW-7S at concentrations of 1,300 ug/l and 22,000 ug/l, respectively.
- Manganese exceeded the SMCL and EPA Secondary Standard of 50 ug/l in samples collected from wells MW-3D, MW-3S, MW-5D, MW-5S, MW-7D, and MW-7S at concentrations ranging from 66 ug/l to 1,900 ug/l.
- Sodium met and exceeded the SMCL of 20,000 ug/l in samples collected from MW-3D, MW-3S, MW-5D, MW-6S, MW-7D, MW-7S, and MW-8S at concentrations ranging from 20,000 ug/l to 190,000 ug/l.

Secondary standards are established for the aesthetics and taste of a public drinking supply and are not health based.

Table 3 summarizes results for groundwater VOCs. No VOCs were reported above standards for samples collected during this event.

Groundwater sampling results from March 2011 are generally consistent with previous measurements.

The next semi-annual groundwater sample round is scheduled for September 2011.

Surface Water Sampling

CDM collected surface water samples from monitoring locations SW-1 and SW-3. Samples for dissolved metals were field-filtered using a 0.45 micron filter. The Massachusetts Solid Waste Management Regulations (310 CMR 19.000) require that sampling results be compared to established National Recommended Water Quality Criteria (NRWQC) for each parameter. Hardness is a factor of the NRWQC for certain metals. If hardness at a surface water sample location varies from the standard of 100 mg/l, the NRWQC must be calculated using the measured hardness value. Since the hardness at surface water sampling locations SW-1 and SW-3 was 1,600 mg/l and 140 mg/l, respectively, the NRWQC is calculated for metals cadmium, copper, lead, silver

and zinc. The individual calculated criteria are shown for each sampling location on Table 4A.

Table 4 summarizes results for the field measured parameters, indicator parameters and dissolved metals. The NRWQC were exceeded in the following samples:

- pH did not meet the NRWQC minimum of 6.5 at either sample location.
- Alkalinity exceeded the NRWQC of 20 mg/l in the sample collected from SW-1 at a concentration of 35 mg/l.
- Chloride exceeded the NRWQC of 230 mg/l in the sample collected from SW-1 at a concentration of 4,700 mg/l.
- Cadmium exceeded the calculated NRWQC of 0.31 ug/l in the sample collected from SW-3 at a concentration of 0.4 ug/l.
- Zinc exceeded the calculated NRWQC of 157 ug/l in the sample collected from SW-3 at a concentration of 325 ug/l.

Table 5 summarizes results for surface water VOCs. Few, if any, NRWQC are established for VOCs. Acetone was detected above the laboratory reporting limit in surface water sample SW-1, however acetone was also detected in the associated trip blank. It is likely results may be a false positive or biased high.

Surface water monitoring results from March 2011 are generally consistent with previous measurements.

The next semi-annual surface water sampling round is scheduled for September 2011.

Quality Control Samples

Quality control samples are collected to verify that laboratory and sampling procedures are consistent and to indicate any possible cross contamination and resulting false positive analysis results. The following summarize the results of the quality control samples collected during this sampling round:

- The duplicate sample results closely matched those of its associated sample taken at MW-3D, indicating laboratory analysis was consistent.
- The field blank sample results were non-detect, indicating that the field sample collection process, storage, and transport did not introduce contaminants.

- One trip blank was collected for each day of sampling. The trip blank collected on March 14, 2011 showed trace levels of acetone at a concentration of 9.0 ug/l. The trip blank from March 15, 2011 results were non-detect.

- The groundwater sample collected from MW-8S on March 15, 2011 had a concentration of acetone in the amount of 6.5 ug/l. Its associated trip blank did not have detections of acetone therefore concentrations in sample MW-8S are considered true.

- The surface water sample collected from SW-1 on March 14, 2011 had a concentration of acetone in the amount of 14 ug/l. Its associated trip blank had a detection of acetone therefore concentrations in sample SW-1 could be a false positive or biased high. Based upon review of sampling results dating back to 2006, acetone has not been previously detected at SW-1.

Gas Monitoring

On March 15, 2011, CDM conducted post-closure landfill gas monitoring at landfill gas well locations in accordance with the MassDEP post-closure environmental monitoring requirements (310 CMR 19.132). Post-closure landfill gas monitoring consisted of sampling 19 landfill gas wells, including LGW-1 through LGW-18 and Probe #1, as shown on the attached Figure 1. Each well and location was sampled for methane (CH_4), carbon dioxide (CO_2), oxygen (O_2), hydrogen sulfide (H_2S), and lower explosive limit (LEL) using a Landtec GEM 2000 Gas Analyzer, and volatile organics using an organic vapor meter (OVM), lamp eV 10.6.

- Carbon dioxide was detected at concentrations ranging from 0.2% to 34.1% in all monitoring locations except LGW-4, LGW-11, and LGW-13.

- Methane was detected at wells LGW-9, LGW-14, LGW-15, LGW-16, LGW-17, and LGW-18 at concentrations of 26.2% to 76.7% by volume, equivalent to 524% and 1,534% LEL. The regulatory limit is 25% of the LEL at the property boundary or beyond. These exceedances were reported within the regulatory 24-hour time period. Appendix D contains a copy of the notification made to MassDEP on March 17, 2011. Concentrations of methane at monitoring locations LGW-14, LGW-15, LGW-16, and LGW-17 were not reported as part of the 24-hour notification because these wells are no longer located at the edge of the landfill and are now in between two landfill cells. Elevated levels of methane is expected at these locations

- Oxygen concentrations varied from 0% to 20.5%.

- Hydrogen sulfide was detected in wells LGW-14, LGW-16, and LGW-17 at concentrations of 6.5ppm, 21.8ppm, and 1.2ppm, respectively.

- VOCs were detected in LGW-14 at a concentration of 3.8 ppm.

In general, sampling results are consistent with previous rounds.

The next round of landfill gas monitoring is scheduled for August 2011.

Please do not hesitate to call me at (617) 452-6589 if you have any questions or require additional information.

Very truly yours,

CAMP DRESSER & McKEE INC.

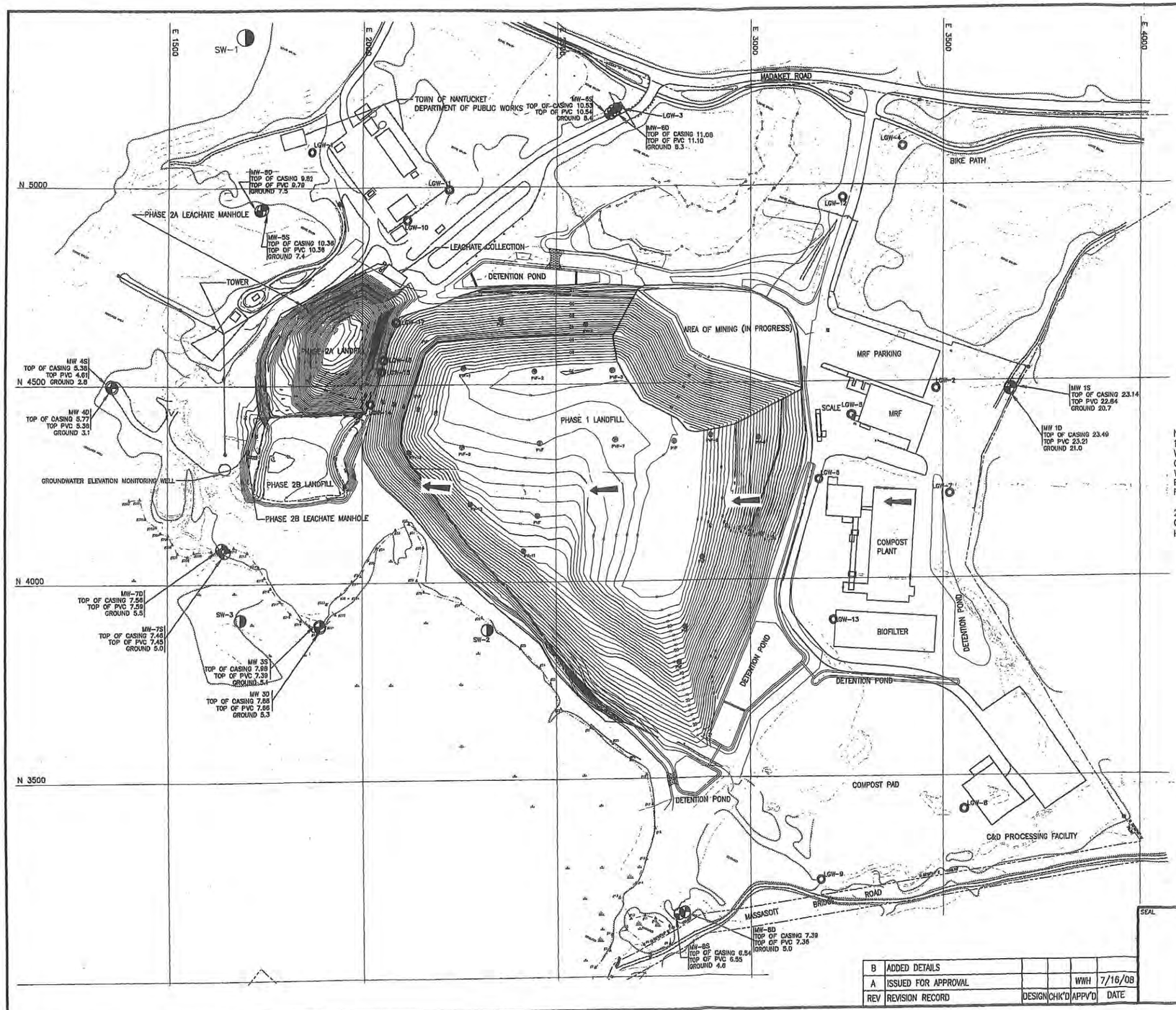
Laura A. Bugay, P.E.

Attachments

cc: Mohammed Nabulsi, Nantucket
Tracy Sundell, Nantucket
Whitney Hall, Waste Options
Bruce Haskell, CDM

Appendix A

Site Plan



NOTES:
1.TOPOGRAPHICAL SURVEY OF THE PHASE 1 AND 2 LANDFILL WAS CONDUCTED IN ACCORDANCE WITH 250 CMR 6.02, BY G.A.F. ENGINEERING, INC. ON JANUARY 16, 2007. PHASE 2B WAS SURVEYED ON OCTOBER 10, 2007. ALL DATA REPRESENTED HEREON IS BASED ON THE SITE DATUM. REFERENCE BENCHMARK 31-F ELEVATION =44.41.

2. ADD 1.50' TO THE SITE DATUM TO CONVERT ELEVATIONS TO NANTUCKET HALF TIDE LEVEL (HTL).

APPROXIMATE GROUNDWATER FLOW DIRECTION
LGW-1 LANDFILL GAS MONITORING WELL
MW-1 GROUNDWATER MONITORING WELL
SW-1 SURFACE WATER MONITORING LOCATION
GROUNDWATER ELEVATION MONITORING WELL

0 60 120 240 360
SCALE 1"=120'

REV	REVISION RECORD	DESIGN	CHK'D	APPV'D	DATE
B	ADDED DETAILS				
A	ISSUED FOR APPROVAL			WWH	7/16/08

SEAL

WASTE OPTIONS NANTUCKET LLC

NANTUCKET LANDFILL

EXISTING CONDITIONS

DATE	SCALE	
APRIL 2008	AS NOTED	
DRAWN BY WWH	CHECKED BY WWH	APPROVED BY W W HALL
DWG NO SITE PLAN		REV B

Appendix B

Sampling Results Summary Tables

Table 1
Nantucket Landfill
Nantucket, Massachusetts
Groundwater Sampling Summary - March 2011
Water Levels

Monitoring Well Number	Sample Date	Ground Elevation	Top of PVC Elevation	Well Depth (feet)	PC[2]	PVC Difference[3]	Depth to Groundwater[1] (feet)	Elevation of Groundwater (feet)
MW-1D	3/15/2011	21.28	23.21	77.92	2.24	0.31	17.76	5.45
MW-1S	3/15/2011	20.90	22.84	26.51	2.26	0.32	17.94	4.90
MW-3D	3/14/2011	5.55	7.66	71.76	2.34	0.23	3.99	3.67
MW-3S	3/14/2011	5.38	7.39	12.68	2.61	0.60	4.60	2.79
MW-4D	NA	NA	5.36	NA	NA	NA	NA	NA
MW-4S	NA	NA	4.61	NA	NA	NA	NA	NA
MW-5D	3/15/2011	7.48	9.79	62.25	2.31	0.00	7.63	2.16
MW-5S	3/15/2011	7.82	10.36	13.57	2.73	0.19	7.51	2.85
MW-6D	3/15/2011	8.61	11.10	62.29	2.55	0.06	7.21	3.89
MW-6S	3/15/2011	9.26	10.54	14.71	1.42	0.14	6.42	4.12
MW-7D	3/14/2011	6.11	7.59	60.84	1.51	0.03	4.52	3.07
MW-7S	3/14/2011	5.68	7.45	15.03	2.04	0.27	5.04	2.41
MW-8D	3/15/2011	NM	7.36	42.27	NM	NM	2.93	4.43
MW-8S	3/15/2011	NM	6.55	15.27	NM	NM	2.28	4.27

Notes:
(1) Depth to water measured from top of PVC
(2) PC = Height of protective casing measured from the ground surface
(3) PVC Difference = Measured distance between the top of the PVC and the top of the protective casing
(4) MW-4S and MW-4D have been buried in fill material and are no longer accessible for sampling
NM = Not Measured
TOC = Top of Casing
NA = Not Available

Table 2
Nantucket Landfill
Nantucket, Massachusetts
Groundwater Sampling Summary - March 2011
Metals, Field Parameters, and Indicator Parameters

		Sample Location	MW-1D	MW-1S	MW-3D	DUP-1	MW-3S	MW-5D	MW-5S	MW-6D	MW-6S	MW-7D	MW-7S	MW-8D	MW-8S
		Laboratory ID	L1103416-04	L1103416-03	L1103348-02	L1103348-05	L1103348-01	L1103416-08	L1103416-07	L1103416-06	L1103416-05	L1103348-04	L1103348-03	L1103416-02	L1103416-01
		Sample Date	3/15/2011	3/15/2011	3/14/2011	3/14/2011	3/14/2011	3/15/2011	3/15/2011	3/15/2011	3/15/2011	3/14/2011	3/14/2011	3/15/2011	3/15/2011
	Drinking Water Standards	**Units**													
Field Parameters															
Temperature	NL	°C	10.41	9.57	11.66	--	7.17	12.27	7.90	11.34	7.92	11.56	7.72	10.99	6.24
Conductivity	NL	us/cm	205	128	791	--	927	1,573	138	183	232	446	1,411	116	416
Dissolved Oxygen	NL	mg/L	7.21	7.90	1.01	--	0.66	2.93	3.54	5.22	4.87	0.67	0.67	6.06	2.93
pH	6.5-8.4 (3,5)	std units	8.57	7.25	6.24	--	6.50	6.54	5.17	6.04	6.32	6.18	6.45	6.43	7.27
Indicator Parameters															
Alkalinity	NL	mg/L	43	7.1	120	120	250	28	2.7	7.1	15	76	330	6.7	82
Chloride	250 (3,5)	mg/L	15	19	60	62	62	280	22	25	19	30	52	15	36
COD (Chemical Oxygen Demand)	NL	mg/L	<20	<20	23	20	85	<20	<20	<20	<20	<20	120	<20	51
Cyanide, Total	0.2 (2,4)	mg/L	<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
Nitrate-Nitrogen	10 (2,4)	mg/L	0.41	<0.1	0.12	<0.1	0.23	0.21	0.17	1.60	2.00	<0.1	0.42	0.35	1.20
Sulfate	250 (3,5)	mg/L	<10	<10	77	66	69	51	<10	<10	34	34	210	<10	23
TDS (Total Dissolved Solids)	500 (3,5)	mg/L	72	47	310	310	440	590	50	75	100	170	770	49	240
Dissolved Metals															
Arsenic	10 (2,4)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	10	<5	<5
Barium	2,000 (2,4)	ug/L	<10	<10	19	20	35	22	20	<10	35	<10	84	<10	<10
Cadmium	5 (2,4)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Calcium	NL	ug/L	15,000	3,300	35,000	38,000	66,000	14,000	2,100	3,500	10,000	18,000	90,000	1,600	20,000
Chromium	100 (2,4)	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Copper	1,300 (2,4)	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iron	300 (3,5)	ug/L	<50	<50	100	110	1,300	<50	<50	<50	300	<50	22,000	<50	120
Lead	15 (2,4)	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Manganese	50 (3,5)	ug/L	<10	<10	864	945	127	841	165	<10	44	66	1,900	<10	13
Mercury	2 (2,4)	ug/L	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Selenium	50 (2,4)	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Silver	100 (3,5)	ug/L	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7
Sodium	20,000 (3)	ug/L	12,000	13,000	53,000	57,000	58,000	190,000	14,000	16,000	20,000	24,000	90,000	11,000	26,000
Zinc	5,000 (3,5)	ug/L	<50	<50	<50	<50	<50	<50	<50	<50	134	<50	607	<50	<50

Notes:
(1) Highlighted Areas: Concentration Equals or Exceeds Masachusetts or EPA Drinking Water Standards or Guidelines
(2) Massachusetts Drinking Water Standard or Maximum Contaminant Level (MCL); Version Spring 2010 http://www.mass.gov/dep/cleanup/laws/0974_2.htm
(3) Massachusetts Drinking Water Guideline Or Secondary Maximum Contaminant Level (SMCL); Version Spring 2010 http://www.mass.gov/dep/cleanup/laws/0974_2.htm
(4) EPA Primary Drinking Water Standard, as found at: http://water.epa.gov/drink/contaminants/index.cfm
(5) EPA Secondary Drinking Water Standard, as found at: http://water.epa.gov/drink/contaminants/index.cfm
(6) DUP-1 taken at MW-3D
<#.# Not detected to the limit indicated
NL: No Limit

Table 3
Nantucket Landfill
Nantucket, Massachusetts
Groundwater Sampling Summary - March 2011
Volatile Organic Compounds

		Sample Location	MW-1D	MW-1S	MW-3D	DUP-1	MW-3S	MW-5D	MW-5S	MW-6D	MW-6S	MW-7D	MW-7S	MW-8D	MW-8S	TB-1
		Laboratory ID	L1103416-04	L1103416-03	L1103348-02	L1103348-05	L1103348-01	L1103416-08	L1103416-07	L1103416-06	L1103416-05	L1103348-04	L1103348-03	L1103416-02	L1103416-01	L1103348
		Sample Date	3/15/2011	3/15/2011	3/14/2011	3/14/2011	3/14/2011	3/15/2011	3/15/2011	3/15/2011	3/15/2011	3/14/2011	3/14/2011	3/15/2011	3/15/2011	3/14/2011
	Drinking Water Standards	Units														
Volatile Organic Compounds																
1,1,1,2-Tetrachloroethane	NL	ug/L	<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
1,1,1-Trichloroethane	200 (2,4)	ug/L	<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
1,1,2,2-Tetrachloroethane	NL	ug/L	<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
1,1,2-Trichloroethane	5 (2,4)	ug/L	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75
1,1-Dichloroethane	70 (3)	ug/L	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75
1,1-Dichloroethene	7 (2,4)	ug/L	<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
1,1-Dichloropropene	NL	ug/L	<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
1,2,3- Trichlorobenzene	NL	ug/L	<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
1,2,3-Trichloropropane	NL	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2,4-Trichlorobenzene	70 (2,4)	ug/L	<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
1,2,4-Trimethylbenzene	NL	ug/L	<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
1,2- Dibromo-3-Chloropropane	0.2 (2,4)	ug/L	<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
1,2-Dibromoethane	0.02 (2)	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,2-Dichlorobenzene	600 (2,4)	ug/L	<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
1,2-Dichloroethane	5 (2,4)	ug/L	<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-Dichloropropane	5 (2,4)	ug/L	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
1,3,5-Trimethylbenzene	NL	ug/L	<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
1,3-Dichlorobenzene	NL	ug/L	<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
1,3-Dichloropropane	NL	ug/L	<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
1,4-Dichlorobenzene	5 (2)	ug/L	<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
1,4-Dioxane	3 (3)	ug/L	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250
2,2-Dichloropropane	NL	ug/L	<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-Butanone	NL	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Hexanone	NL	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-Methyl-2-Pentanone	350 (3)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	6300 (3)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	6.5	9
Benzene	5 (2,4)	ug/L	<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
Bromobenzene	NL	ug/L	<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
Bromochloromethane	NL	ug/L	<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
Bromodichloromethane	NL	ug/L	<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
Bromoform	NL	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Bromomethane	10 (3)	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	NL	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Carbon Tetrachloride	5 (2,4)	ug/L	<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 (2,4)	ug/L	<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	NL	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	70 (3)	ug/L	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75
Chloromethane	NL	ug/L	<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
cis 1,2-Dichloroethene	70 (2,4)	ug/L	<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
cis 1,3-Dichloropropene	0.4 (3)	ug/L	<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
Dibromochloromethane	NL	ug/L	<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
Dibromomethane	NL	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Dichlorodifluoromethane	1400 (3)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Ethyl Ether	NL	ug/L	<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
Ethylbenzene	700 (2,4)	ug/L	<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
Hexachlorobutadiene	NL	ug/L	<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
Isopropylbenzene	NL	ug/L	<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	70 (3)	ug/L	<1	<1	<1	<1	<1	1.5	<1	<1	<1	<1	<1	<1	<1	<1
Methylene Chloride	5 (2,4)	ug/L	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
n-Butylbenzene	NL	ug/L	<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
n-Propylbenzene	NL	ug/L	<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
Naphthalene	140 (3)	ug/L	<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-Chlorotoluene	NL	ug/L	<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
O-Xylene	NL	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Chlorotoluene	NL	ug/L	<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
Isopropylmethylbenzene	NL	ug/L	<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
m- and p- Xylenes	NL	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
sec-Butylbenzene	NL	ug/L	<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
Styrene	100 (2,4)	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
tert-Butylbenzene	NL	ug/L	<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
Tetrachloroethene	5 (2,4)	ug/L	<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
Tetrahydrofuran	1300 (3)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Toluene	1000 (2,4)	ug/L	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75
trans-1,2-Dichloroethene	100 (2,4)	ug/L	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75
trans-1,3-Dichloropropene	0.4 (3)	ug/L	<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
Trichloroethene	5 (2,4)	ug/L	<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
Trichlorofluoromethane	NL	ug/L	<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
Vinyl Chloride	2 (2,4)	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

Notes:
(1) Highlighted Areas: Concentration Equals or Exceeds Masachusetts or EPA Drinking Water Standards or Guidelines
(2) Massachusetts Drinking Water Standard Or Maximum Contaminant Level (MCL): Version Spring 2010 http://www.mass.gov/dep/cleanup/laws/0974_2.htm
(3) Massachusetts Drinking Water Guideline Or Secondary Maximum Contaminant Level (SMCL): Version Spring 2010
(4) EPA Primary Drinking Water Standard, as found at: http://water.epa.gov/drink/contaminants/index.cfm
(5) EPA Secondary Drinking Water Standard, as found at: http://water.epa.gov/drink/contaminants/index.cfm
(6) DUP-1 taken at MW-3D
<#.# Not Detected to the Limit Indicated
NL: No Limit

Table 4
Nantucket Landfill
Nantucket, Massachusetts
Surface Water Sampling Summary - March 2011
Metals, Field Parameters, Indicator Parameters

		Sample Location	SW-1	SW-3
		Laboratory ID	L1103348-08	L1103348-07
		Sample Date	3/14/2011	3/14/2011
	NRWQC[2,3]	Units		
Field Parameters				
Temperature	NL	°C	8.36	5.77
Specific Conductivity	NL	umhos	22,187	499
Dissolved Oxygen	NL	mg/L	4.86	8.82
pH	6.5-9	standard units	6.35	6.18
Indicator Parameters				
Alkalinity	20	mg/L	35	13
Chloride	230	mg/L	4,700	27
COD (Chemical Oxygen Demand)	NL	mg/L	340	30
Cyanide, Total	0.0052	mg/L	<0.005	<0.005
Nitrate-Nitrogen	NL	mg/L	0.15	<0.1
Sulfate	NL	mg/L	690	160
TDS (Total Dissolved Solids)	NL	mg/L	9,700	280
Measured Hardness	NL	mg/L	1,600	140
Dissolved Metals				
Arsenic	150	ug/L	<5	<5
Barium	NL	ug/L	12	90
Cadmium	0.31-1.67[4,5]	ug/L	<4	0.4
Calcium	NL	ug/L	130,000	44,000
Chromium	NL[6]	ug/L	<10	<10
Copper	11.9-95.7[4,5]	ug/L	<10	<10
Iron	1,000	ug/L	150	<50
Lead	3.62-42.0[4,5]	ug/L	<10	0.7
Manganese	NL	ug/L	103	44
Mercury	0.77	ug/L	<0.2	<0.2
Selenium	5	ug/L	<10	<10
Silver	5.74-379[4,5]	ug/L	<7	<7
Sodium	NL	ug/L	3,300,000	25,000
Zinc	157-1,238[4,5]	ug/L	<50	325

Notes:
(1) Highlighted Areas: Concentration Equals or Exceeds NRWQC
(2) NRWQC: National Recommended Water Quality Criteria for Freshwater Based Surface Water, Version 2009
(3) Criterion continuous conentrations (CCC) values are compared to unless none are available, Criterion Maximum Concentrations (CMC) values are used
(4) This NRWQC is hardness dependent and is calculated based upon the equations and factors presented in Appendix B of the NRWQC Guidance Document
(5) See Table 4A for the individual hardness dependent criteria for each sampling location
(6) The NRWQC has established hardness dependent criteria for chromium III and chromium IV. Since chromium results represent total chromium, no specific NRWQC is listed.
<#.# Not detected to the limit indicated
NL: No Limit
NS: Not Sampled

Table 4A
Nantucket Landfill
Nantucket, Massachusetts
Surface Water Sampling Summary - March 2011
Calculated NRWQC for Hardness Dependent Metals

Surface Water Sampling Locations	Measured Hardness (mg/L)	March 2011 Cadmium Value (ug/L)	Calculated Cadmium Criteria (ug/L)	March 2011 Copper Value (ug/L)	Calculated Copper Criteria (ug/L)	March 2011 Lead Value (ug/L)	Calculated Lead Criteria (ug/L)	March 2011 Silver Value (ug/L)	Calculated Silver Criteria (ug/L)	March 2011 Zinc Value (ug/L)	Calculated Zinc Criteria (ug/L)
SW-1	1,600	<4	1.67	<10	95.7	<10	42.0	<7	379	<50	1,238
SW-3	140	0.4	0.31	<10	11.9	0.7	3.62	<7	5.74	325	157

Notes:
(1) Hardness dependent metals require the NRWQC to be calculated if the sample hardness differs from 100 mg/L. Criteria are calcuated according to the equations and factors presented in Appendix B of the NRWQC Guidance Document dated 2009.
(2) Highlighted areas: Concentration equals or exceeds calculated hardness dependent NRWQC.
<#.# Not detected to the limit indicated

Table 5
Nantucket Landfill
Nantucket, Massachusetts
Surface Water Sampling Summary - March 2011
Volatile Organic Compounds

		Sample Location	SW-1	SW-3
		Laboratory ID	L1103348-08	L1103348-07
		Sample Date	3/14/2011	3/14/2011
	NRWQC[2,3]	Units		
Volatile Organic Compounds				
1,1,1,2-Tetrachloroethane	NL	ug/L	<0.5	<0.5
1,1,1-Trichloroethane	NL	ug/L	<0.5	<0.5
1,1,2,2-Tetrachloroethane	NL	ug/L	<0.5	<0.5
1,1,2-Trichloroethane	NL	ug/L	<0.75	<0.75
1,1-Dichloroethane	NL	ug/L	<0.75	<0.75
1,1-Dichloroethene	NL	ug/L	<0.5	<0.5
1,1-Dichloropropene	NL	ug/L	<2.5	<2.5
1,2,3- Trichlorobenzene	NL	ug/L	<2.5	<2.5
1,2,3-Trichloropropane	NL	ug/L	<5	<5
1,2,4-Trichlorobenzene	NL	ug/L	<2.5	<2.5
1,2,4-Trimethylbenzene	NL	ug/L	<2.5	<2.5
1,2- Dibromo-3-Chloropropane	NL	ug/L	<2.5	<2.5
1,2-Dibromoethane	NL	ug/L	<2	<2
1,2-Dichlorobenzene	NL	ug/L	<2.5	<2.5
1,2-Dichloroethane	NL	ug/L	<0.5	<0.5
1,2-Dichloropropane	NL	ug/L	<1.8	<1.8
1,3,5-Trimethylbenzene	NL	ug/L	<2.5	<2.5
1,3-Dichlorobenzene	NL	ug/L	<2.5	<2.5
1,3-Dichloropropane	NL	ug/L	<2.5	<2.5
1,4-Dichlorobenzene	NL	ug/L	<2.5	<2.5
1,4-Dichlorobutane	NL	ug/L	<5	<5
1,4-Dioxane	NL	ug/L	<250	<250
2,2-Dichloropropane	NL	ug/L	<2.5	<2.5
2-Butanone	NL	ug/L	<5	<5
2-Chlorotoluene	NL	ug/L	<2.5	<2.5
2-Hexanone	NL	ug/L	<5	<5
4-Chlorotoluene	NL	ug/L	<2.5	<2.5
4-Methyl-2-pentanone	NL	ug/L	<5	<5
Acetone	NL	ug/L	14	<5
Acrolein	NL	ug/L	<5	<5
Benzene	NL	ug/L	<0.5	<0.5
Bromobenzene	NL	ug/L	<2.5	<2.5
Bromochloromethane	NL	ug/L	<2.5	<2.5
Bromodichloromethane	NL	ug/L	<0.5	<0.5
Bromoform	NL	ug/L	<2	<2
Bromomethane	NL	ug/L	<1	<1
Carbon Disulfide	NL	ug/L	<5	<5
Carbon Tetrachloride	NL	ug/L	<0.5	<0.5
Chlorobenzene	NL	ug/L	<0.5	<0.5
Chloroethane	NL	ug/L	<1	<1
Chloroform	NL	ug/L	<0.75	<0.75
Chloromethane	NL	ug/L	<2.5	<2.5
cis 1,2-Dichloroethene	NL	ug/L	<0.5	<0.5
cis 1,3-Dichloropropene	NL	ug/L	<0.5	<0.5
Dibromochloromethane	NL	ug/L	<0.5	<0.5
Dibromomethane	NL	ug/L	<5	<5
Dichlorodifluoromethane	NL	ug/L	<5	<5
Ethylbenzene	NL	ug/L	<0.5	<0.5
Ethyl Ether	NL	ug/L	<2.5	<2.5
Ethyl methacrylate	NL	ug/L	<5	<5
Hexachlorobutadiene	NL	ug/L	<0.5	<0.5
Isopropylbenzene	NL	ug/L	<0.5	<0.5
Isopropylbenzene	NL	ug/L	<0.5	<0.5
m- and p- Xylenes	NL	ug/L	<1	<1
Methyl Tert-Butyl Ether	NL	ug/L	<1	<1
Methylene Chloride	NL	ug/L	<3	<3
n-Butylbenzene	NL	ug/L	<0.5	<0.5
n-Propylbenzene	NL	ug/L	<0.5	<0.5
Naphthalene	NL	ug/L	<2.5	<2.5
O-Xylene	NL	ug/L	<1	<1
sec-Butylbenzene	NL	ug/L	<0.5	<0.5
Styrene	NL	ug/L	<1	<1
Tert-butylbenzene	NL	ug/L	<2.5	<2.5
Tetrachloroethene	NL	ug/L	<0.5	<0.5
Tetrahydrofuran	NL	ug/L	<5	<5
Toluene	NL	ug/L	<0.75	<0.75
trans-1,2-Dichloroethene	NL	ug/L	<0.75	<0.75
trans-1,3-Dichloropropene	NL	ug/L	<0.5	<0.5
trans-1,4-Dichloro-2-butene	NL	ug/L	<2.5	<2.5
Trichloroethene	NL	ug/L	<0.5	<0.5
Trichlorofluoromethane	NL	ug/L	<2.5	<2.5
Vinyl acetate	NL	ug/L	<5	<5
Vinyl Chloride	NL	ug/L	<1	<1

Notes:
(1) Highlighted Areas: Concentration Equals or Exceeds NRWQC
(2) NRWQC: National Recommended Water Quality Criteria for Freshwater Based Surface Water, Version 2009
(3) Criterion continuous concentrations (CCC) values are compared to unless none are available, Criterion Maximum Concentrations (CMC) values are used
<#.# Not detected to the limit indicated
NL: No Limit

Table 6
Nantucket Landfill
Nantucket, Massachusetts
Landfill Gas Sampling Summary - March 2011

Gas Monitoring Locations	Date	OVM (ppm)		H_2S (ppm)		CH_4 (%)		CO_2 (%)		O_2 (%)		LEL (%)		Barometric Pressure
		Initial	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*(Hg)*
LGW-1	3/15/2011	0	0	0	0	0	0	0.6	0.7	20.0	19.8	0	0	30.6
LGW-2	3/15/2011	0	0	0	0	0	0	0.5	0.6	20.0	19.9	0	0	30.5
LGW-4	3/15/2011	0	0	0	0	0	0	0	0	21.0	20.5	0	0	30.5
LGW-5	3/15/2011	0	0	0	0	0	0	1.4	1.4	19.1	19.2	0	0	30.5
LGW-6	3/15/2011	0	0	0	0	0	0	6.0	6.2	16.2	14.7	0	0	30.5
LGW-7	3/15/2011	0	0	0	0	0	0	2.1	2.2	19.0	19.0	0	0	30.5
LGW-8	3/15/2011	0	0	0	0	0	0	0.4	0.2	20.4	20.5	0	0	30.3
LGW-9	3/15/2011	0	0	0	0	24.8	26.2	26.5	27.9	2.9	1.5	496	524	30.3
LGW-10	3/15/2011	0	0	0	0	0	0	0.3	0.4	19.9	19.9	0	0	30.5
LGW-11	3/15/2011	0	0	0	0	0	0	0.3	0.0	20.1	20.5	0	0	30.5
LGW-12	3/15/2011	0	0	0	0	0	0	1.0	1.0	20.4	20.5	0	0	30.5
LGW-13	3/15/2011	0	0	0	0	0	0	0	0	20.4	20.5	0	0	30.5
LGW-14	3/15/2011	3.8	3.8	5.6	6.5	51.1	51.3	22.3	22.4	1.3	0.4	1,022	1,026	30.3
LGW-15	3/15/2011	0	0	0.3	0.0	75.5	76.7	22.7	22.8	1.1	0.3	1,510	1,534	30.3
LGW-16	3/15/2011	0	0	13.4	21.8	74.7	75.8	23.9	24.0	0.9	0.0	1,494	1,516	30.3
LGW-17	3/15/2011	0	0	1.1	1.2	57.1	57.3	31.4	34.1	0.6	0.0	1,142	1,146	30.3
LGW-18	3/15/2011	0	0	0	0	69.6	69.9	29.6	29.8	0.7	0.1	1,392	1,398	30.3
Probe #1	3/15/2011	0	0	0	0	0	0	2.2	1.3	18.2	19.4	0	0	30.3

Notes:
(1) Probes and wells were purged for approximately 10 minutes before final readings were recorded.
(2) Methane, oxygen, carbon dioxide, and hydrogen sulfide measured with GEM-2000 combustible gas meter.
(3) Volatile Organic Compounds (VOCs) measured with an Organic Vapor Meter (OVM), lamp eV 10.6.

Appendix C

Laboratory Reports and Chains of Custody

ANALYTICAL REPORT

Lab Number:	L1103348
Client:	Camp Dresser & McKee, Inc. 1 Cambridge Place 50 Hampshire Street Cambridge, MA 02139
ATTN:	Laura Bugay
Phone:	(617) 452-6589
Project Name:	NANTUCKET LF
Project Number:	Not Specified
Report Date:	03/24/11

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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

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

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1103348-01	MW-3S	NANTUCKET, MA	03/14/11 12:50
L1103348-02	MW-3D	NANTUCKET, MA	03/14/11 13:20
L1103348-03	MW-7S	NANTUCKET, MA	03/14/11 14:45
L1103348-04	MW-7D	NANTUCKET, MA	03/14/11 15:00
L1103348-05	DUP-1	NANTUCKET, MA	03/14/11 00:00
L1103348-06	FB-1	NANTUCKET, MA	03/14/11 13:30
L1103348-07	SW-3	NANTUCKET, MA	03/14/11 15:20
L1103348-08	SW-1	NANTUCKET, MA	03/14/11 15:50
L1103348-09	TRIP BLANK	NANTUCKET, MA	03/14/11 00:00

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

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

Sample Receipt

The samples were Field Filtered for Dissolved Metals only.

Volatile Organics

L1103348-09: The Trip Blank has a result for Acetone present above the reporting limit. The sample vial was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.

Dissolved Metals

L1103348-08 has elevated detection limits for all analytes by Method 6020 due to the dilution required by the high concentrations of non-target analytes. The requested reporting limits were not achieved

L1103348-08 has an elevated detection limit for Sodium due to the dilution required to quantitate the result

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

Case Narrative (continued)

within the calibration range.

Sulfate

L1103348-01, -02, -03, -05, -07 and -08 have elevated detection limits due to the dilutions required to quantitate the results within the calibration range.

Chloride

L1103348-08 has an elevated detection limit due to the dilution required to quantitate the result within the calibration range.

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

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative

Date: 03/24/11

ORGANICS

VOLATILES

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

SAMPLE RESULTS

Lab ID:	L1103348-01	Date Collected:	03/14/11 12:50
Client ID:	MW-3S	Date Received:	03/15/11
Sample Location:	NANTUCKET, MA	Field Prep:	See Narrative
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	03/16/11 16:05		
Analyst:	PD		

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

Project Name: NANTUCKET LF
Project Number: Not Specified
Lab Number: L1103348
Report Date: 03/24/11

SAMPLE RESULTS

Lab ID: L1103348-01
Client ID: MW-3S
Sample Location: NANTUCKET, MA

Date Collected: 03/14/11 12:50
Date Received: 03/15/11
Field Prep: See Narrative

Volatile Organics by GC/MS - Westborough Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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
1,4-Dichlorobutane	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
Vinyl acetate	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Ethyl methacrylate	ND		ug/l	5.0	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1

Project Name: NANTUCKET LF
Project Number: Not Specified
Lab Number: L1103348
Report Date: 03/24/11

SAMPLE RESULTS

Lab ID: L1103348-01
Client ID: MW-3S
Sample Location: NANTUCKET, MA
Date Collected: 03/14/11 12:50
Date Received: 03/15/11
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	100		70-130

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

SAMPLE RESULTS

Lab ID:	L1103348-02	Date Collected:	03/14/11 13:20
Client ID:	MW-3D	Date Received:	03/15/11
Sample Location:	NANTUCKET, MA	Field Prep:	See Narrative
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	03/16/11 16:39		
Analyst:	PD		

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

Project Name: NANTUCKET LF **Lab Number:** L1103348

Project Number: Not Specified **Report Date:** 03/24/11

SAMPLE RESULTS

Lab ID: L1103348-02 Date Collected: 03/14/11 13:20

Client ID: MW-3D Date Received: 03/15/11

Sample Location: NANTUCKET, MA Field Prep: See Narrative

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

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

SAMPLE RESULTS

Lab ID: L1103348-02
Client ID: MW-3D
Sample Location: NANTUCKET, MA

Date Collected: 03/14/11 13:20
Date Received: 03/15/11
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	100		70-130

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

SAMPLE RESULTS

Lab ID:	L1103348-03	Date Collected:	03/14/11 14:45
Client ID:	MW-7S	Date Received:	03/15/11
Sample Location:	NANTUCKET, MA	Field Prep:	See Narrative
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	03/16/11 17:14		
Analyst:	PD		

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

Project Name: NANTUCKET LF
Project Number: Not Specified
Lab Number: L1103348
Report Date: 03/24/11

SAMPLE RESULTS

Lab ID: L1103348-03
Client ID: MW-7S
Sample Location: NANTUCKET, MA

Date Collected: 03/14/11 14:45
Date Received: 03/15/11
Field Prep: See Narrative

Volatile Organics by GC/MS - Westborough Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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
1,4-Dichlorobutane	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
Vinyl acetate	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Ethyl methacrylate	ND		ug/l	5.0	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

SAMPLE RESULTS

Lab ID: L1103348-03
Client ID: MW-7S
Sample Location: NANTUCKET, MA

Date Collected: 03/14/11 14:45
Date Received: 03/15/11
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	98		70-130

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

SAMPLE RESULTS

Lab ID:	L1103348-04	Date Collected:	03/14/11 15:00
Client ID:	MW-7D	Date Received:	03/15/11
Sample Location:	NANTUCKET, MA	Field Prep:	See Narrative
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	03/16/11 17:48		
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	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: NANTUCKET LF **Lab Number:** L1103348

Project Number: Not Specified **Report Date:** 03/24/11

SAMPLE RESULTS

Lab ID: L1103348-04 Date Collected: 03/14/11 15:00

Client ID: MW-7D Date Received: 03/15/11

Sample Location: NANTUCKET, MA Field Prep: See Narrative

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

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

SAMPLE RESULTS

Lab ID: L1103348-04
Client ID: MW-7D
Sample Location: NANTUCKET, MA

Date Collected: 03/14/11 15:00
Date Received: 03/15/11
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	100		70-130

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

SAMPLE RESULTS

Lab ID:	L1103348-05	Date Collected:	03/14/11 00:00
Client ID:	DUP-1	Date Received:	03/15/11
Sample Location:	NANTUCKET, MA	Field Prep:	See Narrative
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	03/16/11 18:22		
Analyst:	PD		

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

Project Name: NANTUCKET LF
Project Number: Not Specified
Lab Number: L1103348
Report Date: 03/24/11

SAMPLE RESULTS

Lab ID: L1103348-05
Client ID: DUP-1
Sample Location: NANTUCKET, MA
Date Collected: 03/14/11 00:00
Date Received: 03/15/11
Field Prep: See Narrative

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

Project Name: NANTUCKET LF
Project Number: Not Specified
Lab Number: L1103348
Report Date: 03/24/11

SAMPLE RESULTS

Lab ID: L1103348-05
Client ID: DUP-1
Sample Location: NANTUCKET, MA
Date Collected: 03/14/11 00:00
Date Received: 03/15/11
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	100		70-130

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

SAMPLE RESULTS

Lab ID: L1103348-06
Client ID: FB-1
Sample Location: NANTUCKET, MA
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 03/16/11 18:57
Analyst: PD

Date Collected: 03/14/11 13:30
Date Received: 03/15/11
Field Prep: See Narrative

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

Project Name: NANTUCKET LF
Project Number: Not Specified
Lab Number: L1103348
Report Date: 03/24/11

SAMPLE RESULTS

Lab ID: L1103348-06
Client ID: FB-1
Sample Location: NANTUCKET, MA
Date Collected: 03/14/11 13:30
Date Received: 03/15/11
Field Prep: See Narrative

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

Project Name: NANTUCKET LF
Project Number: Not Specified
Lab Number: L1103348
Report Date: 03/24/11

SAMPLE RESULTS

Lab ID: L1103348-06
Client ID: FB-1
Sample Location: NANTUCKET, MA
Date Collected: 03/14/11 13:30
Date Received: 03/15/11
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	100		70-130

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

SAMPLE RESULTS

Lab ID:	L1103348-07	Date Collected:	03/14/11 15:20
Client ID:	SW-3	Date Received:	03/15/11
Sample Location:	NANTUCKET, MA	Field Prep:	See Narrative
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	03/16/11 19:31		
Analyst:	PD		

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

Project Name: NANTUCKET LF
Project Number: Not Specified
Lab Number: L1103348
Report Date: 03/24/11

SAMPLE RESULTS

Lab ID: L1103348-07
Client ID: SW-3
Sample Location: NANTUCKET, MA

Date Collected: 03/14/11 15:20
Date Received: 03/15/11
Field Prep: See Narrative

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

Project Name: NANTUCKET LF
Project Number: Not Specified
Lab Number: L1103348
Report Date: 03/24/11

SAMPLE RESULTS

Lab ID: L1103348-07
Client ID: SW-3
Sample Location: NANTUCKET, MA
Date Collected: 03/14/11 15:20
Date Received: 03/15/11
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	101		70-130

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

SAMPLE RESULTS

Lab ID:	L1103348-08	Date Collected:	03/14/11 15:50
Client ID:	SW-1	Date Received:	03/15/11
Sample Location:	NANTUCKET, MA	Field Prep:	See Narrative
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	03/17/11 10:39		
Analyst:	PD		

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

Project Name: NANTUCKET LF
Project Number: Not Specified
Lab Number: L1103348
Report Date: 03/24/11

SAMPLE RESULTS

Lab ID: L1103348-08
Client ID: SW-1
Sample Location: NANTUCKET, MA
Date Collected: 03/14/11 15:50
Date Received: 03/15/11
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,4-Dichlorobutane	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	14		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
Vinyl acetate	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Ethyl methacrylate	ND		ug/l	5.0	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

SAMPLE RESULTS

Lab ID: L1103348-08
Client ID: SW-1
Sample Location: NANTUCKET, MA

Date Collected: 03/14/11 15:50
Date Received: 03/15/11
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	103		70-130

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

SAMPLE RESULTS

Lab ID: L1103348-09
Client ID: TRIP BLANK
Sample Location: NANTUCKET, MA
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 03/17/11 11:14
Analyst: PD

Date Collected: 03/14/11 00:00
Date Received: 03/15/11
Field Prep: None

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

Project Name: NANTUCKET LF **Lab Number:** L1103348

Project Number: Not Specified **Report Date:** 03/24/11

SAMPLE RESULTS

Lab ID: L1103348-09 Date Collected: 03/14/11 00:00

Client ID: TRIP BLANK Date Received: 03/15/11

Sample Location: NANTUCKET, MA Field Prep: None

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,4-Dichlorobutane	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	9.0		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
Vinyl,acetate	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Ethyl methacrylate	ND		ug/l	5.0	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1

Project Name: NANTUCKET LF
Project Number: Not Specified
Lab Number: L1103348
Report Date: 03/24/11

SAMPLE RESULTS

Lab ID: L1103348-09
Client ID: TRIP BLANK
Sample Location: NANTUCKET, MA
Date Collected: 03/14/11 00:00
Date Received: 03/15/11
Field Prep: None

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	102		70-130

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 03/16/11 09:48
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG458977-3					
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: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 03/16/11 09:48
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG458977-3					
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	--
1,4-Dichlorobutane	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	--
Vinyl acetate	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Ethyl methacrylate	ND		ug/l	5.0	--
Acrylonitrile	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.5	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.5	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.50	--

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 03/16/11 09:48
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG458977-3					
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	--
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	--
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--
Ethyl ether	ND		ug/l	2.5	--
Tert-Butyl Alcohol	ND		ug/l	30	--
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--
1,4-Dioxane	ND		ug/l	250	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	97		70-130

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 03/17/11 09:30
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08-09 Batch: WG459061-3					
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: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 03/17/11 09:30
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08-09 Batch: WG459061-3					
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	--
1,4-Dichlorobutane	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	--
Vinyl acetate	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Ethyl methacrylate	ND		ug/l	5.0	--
Acrylonitrile	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.5	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.5	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.50	--

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 03/17/11 09:30
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08-09 Batch: WG459061-3					
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	--
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	--
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--
Ethyl ether	ND		ug/l	2.5	--
Isopropyl Ether	ND		ug/l	2.0	--
Tert-Butyl Alcohol	ND		ug/l	30	--
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--
1,4-Dioxane	ND		ug/l	250	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG458977-1 WG458977-2								
Chlorobenzene	102		96		75-130	6		25
Benzene	104		98		76-127	6		25
Toluene	101		95		76-125	6		25
1,1-Dichloroethene	98		99		61-145	1		25
Trichloroethene	102		99		71-120	3		25

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		107		70-130
Toluene-d8	103		103		70-130
4-Bromofluorobenzene	104		104		70-130
Dibromofluoromethane	102		104		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-09 Batch: WG459061-1 WG459061-2								
Chlorobenzene	103		98		75-130	5		25
Benzene	108		100		76-127	8		25
Toluene	103		97		76-125	6		25
1,1-Dichloroethene	106		100		61-145	6		25
Trichloroethene	106		99		71-120	7		25

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	111		115		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	103		104		70-130
Dibromofluoromethane	106		105		70-130

METALS

Project Name:	NANTUCKET LF	**Lab Number:**	L1103348
Project Number:	Not Specified	**Report Date:**	03/24/11

SAMPLE RESULTS

Lab ID:	L1103348-01	Date Collected:	03/14/11 12:50
Client ID:	MW-3S	Date Received:	03/15/11
Sample Location:	NANTUCKET, MA	Field Prep:	See Narrative
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Westborough Lab											
Arsenic, Dissolved	ND		mg/l	0.005	--	1	03/16/11 14:00	03/17/11 15:21	EPA 3005A	1,6010B	MG
Barium, Dissolved	0.035		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 15:21	EPA 3005A	1,6010B	MG
Cadmium, Dissolved	ND		mg/l	0.005	--	1	03/16/11 14:00	03/17/11 15:21	EPA 3005A	1,6010B	MG
Calcium, Dissolved	66		mg/l	0.10	--	1	03/16/11 14:00	03/17/11 15:21	EPA 3005A	1,6010B	MG
Chromium, Dissolved	ND		mg/l	0.01	--	1	03/16/11 14:00	03/17/11 15:21	EPA 3005A	1,6010B	MG
Copper, Dissolved	ND		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 15:21	EPA 3005A	1,6010B	MG
Iron, Dissolved	1.3		mg/l	0.05	--	1	03/16/11 14:00	03/17/11 15:21	EPA 3005A	1,6010B	MG
Lead, Dissolved	ND		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 15:21	EPA 3005A	1,6010B	MG
Manganese, Dissolved	0.127		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 15:21	EPA 3005A	1,6010B	MG
Mercury, Dissolved	ND		mg/l	0.0002	--	1	03/17/11 18:00	03/18/11 11:20	EPA 7470A	1,7470A	AH
Selenium, Dissolved	ND		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 15:21	EPA 3005A	1,6010B	MG
Silver, Dissolved	ND		mg/l	0.007	--	1	03/16/11 14:00	03/17/11 15:21	EPA 3005A	1,6010B	MG
Sodium, Dissolved	58		mg/l	2.0	--	1	03/16/11 14:00	03/17/11 15:21	EPA 3005A	1,6010B	MG
Zinc, Dissolved	ND		mg/l	0.050	--	1	03/16/11 14:00	03/17/11 15:21	EPA 3005A	1,6010B	MG

Project Name:	NANTUCKET LF	**Lab Number:**	L1103348
Project Number:	Not Specified	**Report Date:**	03/24/11

SAMPLE RESULTS

Lab ID:	L1103348-02	Date Collected:	03/14/11 13:20
Client ID:	MW-3D	Date Received:	03/15/11
Sample Location:	NANTUCKET, MA	Field Prep:	See Narrative
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Westborough Lab											
Arsenic, Dissolved	ND		mg/l	0.005	--	1	03/16/11 14:00	03/17/11 15:24	EPA 3005A	1,6010B	MG
Barium, Dissolved	0.019		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 15:24	EPA 3005A	1,6010B	MG
Cadmium, Dissolved	ND		mg/l	0.005	--	1	03/16/11 14:00	03/17/11 15:24	EPA 3005A	1,6010B	MG
Calcium, Dissolved	35		mg/l	0.10	--	1	03/16/11 14:00	03/17/11 15:24	EPA 3005A	1,6010B	MG
Chromium, Dissolved	ND		mg/l	0.01	--	1	03/16/11 14:00	03/17/11 15:24	EPA 3005A	1,6010B	MG
Copper, Dissolved	ND		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 15:24	EPA 3005A	1,6010B	MG
Iron, Dissolved	0.10		mg/l	0.05	--	1	03/16/11 14:00	03/17/11 15:24	EPA 3005A	1,6010B	MG
Lead, Dissolved	ND		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 15:24	EPA 3005A	1,6010B	MG
Manganese, Dissolved	0.864		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 15:24	EPA 3005A	1,6010B	MG
Mercury, Dissolved	ND		mg/l	0.0002	--	1	03/17/11 18:00	03/18/11 11:22	EPA 7470A	1,7470A	AH
Selenium, Dissolved	ND		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 15:24	EPA 3005A	1,6010B	MG
Silver, Dissolved	ND		mg/l	0.007	--	1	03/16/11 14:00	03/17/11 15:24	EPA 3005A	1,6010B	MG
Sodium, Dissolved	53		mg/l	2.0	--	1	03/16/11 14:00	03/17/11 15:24	EPA 3005A	1,6010B	MG
Zinc, Dissolved	ND		mg/l	0.050	--	1	03/16/11 14:00	03/17/11 15:24	EPA 3005A	1,6010B	MG

Project Name:	NANTUCKET LF	**Lab Number:**	L1103348
Project Number:	Not Specified	**Report Date:**	03/24/11

SAMPLE RESULTS

Lab ID:	L1103348-03	Date Collected:	03/14/11 14:45
Client ID:	MW-7S	Date Received:	03/15/11
Sample Location:	NANTUCKET, MA	Field Prep:	See Narrative
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Westborough Lab											
Arsenic, Dissolved	0.010		mg/l	0.005	--	1	03/16/11 14:00	03/17/11 15:27	EPA 3005A	1,6010B	MG
Barium, Dissolved	0.084		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 15:27	EPA 3005A	1,6010B	MG
Cadmium, Dissolved	ND		mg/l	0.005	--	1	03/16/11 14:00	03/17/11 15:27	EPA 3005A	1,6010B	MG
Calcium, Dissolved	90		mg/l	0.10	--	1	03/16/11 14:00	03/17/11 15:27	EPA 3005A	1,6010B	MG
Chromium, Dissolved	ND		mg/l	0.01	--	1	03/16/11 14:00	03/17/11 15:27	EPA 3005A	1,6010B	MG
Copper, Dissolved	ND		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 15:27	EPA 3005A	1,6010B	MG
Iron, Dissolved	22		mg/l	0.05	--	1	03/16/11 14:00	03/17/11 15:27	EPA 3005A	1,6010B	MG
Lead, Dissolved	ND		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 15:27	EPA 3005A	1,6010B	MG
Manganese, Dissolved	1.90		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 15:27	EPA 3005A	1,6010B	MG
Mercury, Dissolved	ND		mg/l	0.0002	--	1	03/17/11 18:00	03/18/11 11:24	EPA 7470A	1,7470A	AH
Selenium, Dissolved	ND		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 15:27	EPA 3005A	1,6010B	MG
Silver, Dissolved	ND		mg/l	0.007	--	1	03/16/11 14:00	03/17/11 15:27	EPA 3005A	1,6010B	MG
Sodium, Dissolved	90		mg/l	2.0	--	1	03/16/11 14:00	03/17/11 15:27	EPA 3005A	1,6010B	MG
Zinc, Dissolved	0.607		mg/l	0.050	--	1	03/16/11 14:00	03/17/11 15:27	EPA 3005A	1,6010B	MG

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

SAMPLE RESULTS

Lab ID: L1103348-04
Client ID: MW-7D
Sample Location: NANTUCKET, MA
Matrix: Water

Date Collected: 03/14/11 15:00
Date Received: 03/15/11
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Westborough Lab											
Arsenic, Dissolved	ND		mg/l	0.005	--	1	03/16/11 14:00	03/17/11 15:36	EPA 3005A	1,6010B	MG
Barium, Dissolved	ND		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 15:36	EPA 3005A	1,6010B	MG
Cadmium, Dissolved	ND		mg/l	0.005	--	1	03/16/11 14:00	03/17/11 15:36	EPA 3005A	1,6010B	MG
Calcium, Dissolved	18		mg/l	0.10	--	1	03/16/11 14:00	03/17/11 15:36	EPA 3005A	1,6010B	MG
Chromium, Dissolved	ND		mg/l	0.01	--	1	03/16/11 14:00	03/17/11 15:36	EPA 3005A	1,6010B	MG
Copper, Dissolved	ND		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 15:36	EPA 3005A	1,6010B	MG
Iron, Dissolved	ND		mg/l	0.05	--	1	03/16/11 14:00	03/17/11 15:36	EPA 3005A	1,6010B	MG
Lead, Dissolved	ND		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 15:36	EPA 3005A	1,6010B	MG
Manganese, Dissolved	0.066		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 15:36	EPA 3005A	1,6010B	MG
Mercury, Dissolved	ND		mg/l	0.0002	--	1	03/17/11 18:00	03/18/11 11:29	EPA 7470A	1,7470A	AH
Selenium, Dissolved	ND		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 15:36	EPA 3005A	1,6010B	MG
Silver, Dissolved	ND		mg/l	0.007	--	1	03/16/11 14:00	03/17/11 15:36	EPA 3005A	1,6010B	MG
Sodium, Dissolved	24		mg/l	2.0	--	1	03/16/11 14:00	03/17/11 15:36	EPA 3005A	1,6010B	MG
Zinc, Dissolved	ND		mg/l	0.050	--	1	03/16/11 14:00	03/17/11 15:36	EPA 3005A	1,6010B	MG

Project Name:	NANTUCKET LF	**Lab Number:**	L1103348
Project Number:	Not Specified	**Report Date:**	03/24/11

SAMPLE RESULTS

Lab ID:	L1103348-05	Date Collected:	03/14/11 00:00
Client ID:	DUP-1	Date Received:	03/15/11
Sample Location:	NANTUCKET, MA	Field Prep:	See Narrative
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Westborough Lab											
Arsenic, Dissolved	ND		mg/l	0.005	--	1	03/16/11 14:00	03/17/11 15:40	EPA 3005A	1,6010B	MG
Barium, Dissolved	0.020		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 15:40	EPA 3005A	1,6010B	MG
Cadmium, Dissolved	ND		mg/l	0.005	--	1	03/16/11 14:00	03/17/11 15:40	EPA 3005A	1,6010B	MG
Calcium, Dissolved	38		mg/l	0.10	--	1	03/16/11 14:00	03/17/11 15:40	EPA 3005A	1,6010B	MG
Chromium, Dissolved	ND		mg/l	0.01	--	1	03/16/11 14:00	03/17/11 15:40	EPA 3005A	1,6010B	MG
Copper, Dissolved	ND		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 15:40	EPA 3005A	1,6010B	MG
Iron, Dissolved	0.11		mg/l	0.05	--	1	03/16/11 14:00	03/17/11 15:40	EPA 3005A	1,6010B	MG
Lead, Dissolved	ND		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 15:40	EPA 3005A	1,6010B	MG
Manganese, Dissolved	0.945		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 15:40	EPA 3005A	1,6010B	MG
Mercury, Dissolved	ND		mg/l	0.0002	--	1	03/17/11 18:00	03/18/11 11:31	EPA 7470A	1,7470A	AH
Selenium, Dissolved	ND		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 15:40	EPA 3005A	1,6010B	MG
Silver, Dissolved	ND		mg/l	0.007	--	1	03/16/11 14:00	03/17/11 15:40	EPA 3005A	1,6010B	MG
Sodium, Dissolved	57		mg/l	2.0	--	1	03/16/11 14:00	03/17/11 15:40	EPA 3005A	1,6010B	MG
Zinc, Dissolved	ND		mg/l	0.050	--	1	03/16/11 14:00	03/17/11 15:40	EPA 3005A	1,6010B	MG

Project Name: NANTUCKET LF
Project Number: Not Specified
Lab Number: L1103348
Report Date: 03/24/11

SAMPLE RESULTS

Lab ID: L1103348-06
Client ID: FB-1
Sample Location: NANTUCKET, MA
Matrix: Water

Date Collected: 03/14/11 13:30
Date Received: 03/15/11
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Westborough Lab											
Arsenic, Dissolved	ND		mg/l	0.005	--	1	03/16/11 14:00	03/17/11 15:43	EPA 3005A	1,6010B	MG
Barium, Dissolved	ND		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 15:43	EPA 3005A	1,6010B	MG
Cadmium, Dissolved	ND		mg/l	0.005	--	1	03/16/11 14:00	03/17/11 15:43	EPA 3005A	1,6010B	MG
Calcium, Dissolved	ND		mg/l	0.10	--	1	03/16/11 14:00	03/17/11 15:43	EPA 3005A	1,6010B	MG
Chromium, Dissolved	ND		mg/l	0.01	--	1	03/16/11 14:00	03/17/11 15:43	EPA 3005A	1,6010B	MG
Copper, Dissolved	ND		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 15:43	EPA 3005A	1,6010B	MG
Iron, Dissolved	ND		mg/l	0.05	--	1	03/16/11 14:00	03/17/11 15:43	EPA 3005A	1,6010B	MG
Lead, Dissolved	ND		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 15:43	EPA 3005A	1,6010B	MG
Manganese, Dissolved	ND		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 15:43	EPA 3005A	1,6010B	MG
Mercury, Dissolved	ND		mg/l	0.0002	--	1	03/17/11 18:00	03/18/11 11:33	EPA 7470A	1,7470A	AH
Selenium, Dissolved	ND		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 15:43	EPA 3005A	1,6010B	MG
Silver, Dissolved	ND		mg/l	0.007	--	1	03/16/11 14:00	03/17/11 15:43	EPA 3005A	1,6010B	MG
Sodium, Dissolved	ND		mg/l	2.0	--	1	03/16/11 14:00	03/17/11 15:43	EPA 3005A	1,6010B	MG
Zinc, Dissolved	ND		mg/l	0.050	--	1	03/16/11 14:00	03/17/11 15:43	EPA 3005A	1,6010B	MG

Project Name:	NANTUCKET LF	**Lab Number:**	L1103348
Project Number:	Not Specified	**Report Date:**	03/24/11

SAMPLE RESULTS

Lab ID:	L1103348-07	Date Collected:	03/14/11 15:20
Client ID:	SW-3	Date Received:	03/15/11
Sample Location:	NANTUCKET, MA	Field Prep:	See Narrative
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Hardness by SM 2340B - Westborough Lab											
Hardness	140		mg/l	0.66	--	1	03/16/11 13:25	03/18/11 16:07	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab											
Arsenic, Dissolved	ND		mg/l	0.005	--	1	03/16/11 14:00	03/17/11 15:46	EPA 3005A	1,6010B	MG
Barium, Dissolved	0.090		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 15:46	EPA 3005A	1,6010B	MG
Cadmium, Dissolved	0.0004		mg/l	0.0002	--	1	03/16/11 14:00	03/22/11 04:35	EPA 3005A	1,6020	BM
Calcium, Dissolved	44		mg/l	0.10	--	1	03/16/11 14:00	03/17/11 15:46	EPA 3005A	1,6010B	MG
Chromium, Dissolved	ND		mg/l	0.01	--	1	03/16/11 14:00	03/17/11 15:46	EPA 3005A	1,6010B	MG
Copper, Dissolved	ND		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 15:46	EPA 3005A	1,6010B	MG
Iron, Dissolved	ND		mg/l	0.05	--	1	03/16/11 14:00	03/17/11 15:46	EPA 3005A	1,6010B	MG
Lead, Dissolved	0.0007		mg/l	0.0005	--	1	03/16/11 14:00	03/22/11 04:35	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.044		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 15:46	EPA 3005A	1,6010B	MG
Mercury, Dissolved	ND		mg/l	0.0002	--	1	03/17/11 18:00	03/18/11 11:34	EPA 7470A	1,7470A	AH
Selenium, Dissolved	ND		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 15:46	EPA 3005A	1,6010B	MG
Silver, Dissolved	ND		mg/l	0.007	--	1	03/16/11 14:00	03/17/11 15:46	EPA 3005A	1,6010B	MG
Sodium, Dissolved	25		mg/l	2.0	--	1	03/16/11 14:00	03/17/11 15:46	EPA 3005A	1,6010B	MG
Zinc, Dissolved	0.325		mg/l	0.050	--	1	03/16/11 14:00	03/17/11 15:46	EPA 3005A	1,6010B	MG

Project Name: NANTUCKET LF
Project Number: Not Specified
Lab Number: L1103348
Report Date: 03/24/11

SAMPLE RESULTS

Lab ID: L1103348-08
Client ID: SW-1
Sample Location: NANTUCKET, MA
Matrix: Water

Date Collected: 03/14/11 15:50
Date Received: 03/15/11
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Hardness by SM 2340B - Westborough Lab											
Hardness	1600		mg/l	0.66	--	1	03/16/11 13:25	03/18/11 16:10	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab											
Arsenic, Dissolved	ND		mg/l	0.005	--	1	03/16/11 14:00	03/17/11 15:49	EPA 3005A	1,6010B	MG
Barium, Dissolved	0.012		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 15:49	EPA 3005A	1,6010B	MG
Cadmium, Dissolved	ND		mg/l	0.0040	--	20	03/16/11 14:00	03/22/11 04:41	EPA 3005A	1,6020	BM
Calcium, Dissolved	130		mg/l	0.10	--	1	03/16/11 14:00	03/17/11 15:49	EPA 3005A	1,6010B	MG
Chromium, Dissolved	ND		mg/l	0.01	--	1	03/16/11 14:00	03/17/11 15:49	EPA 3005A	1,6010B	MG
Copper, Dissolved	ND		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 15:49	EPA 3005A	1,6010B	MG
Iron, Dissolved	0.15		mg/l	0.05	--	1	03/16/11 14:00	03/17/11 15:49	EPA 3005A	1,6010B	MG
Lead, Dissolved	ND		mg/l	0.0100	--	20	03/16/11 14:00	03/22/11 04:41	EPA 3005A	1,6020	BM
Manganese, Dissolved	0.103		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 15:49	EPA 3005A	1,6010B	MG
Mercury, Dissolved	ND		mg/l	0.0002	--	1	03/17/11 18:00	03/18/11 11:36	EPA 7470A	1,7470A	AH
Selenium, Dissolved	ND		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 15:49	EPA 3005A	1,6010B	MG
Silver, Dissolved	ND		mg/l	0.007	--	1	03/16/11 14:00	03/17/11 15:49	EPA 3005A	1,6010B	MG
Sodium, Dissolved	3300		mg/l	200	--	100	03/16/11 14:00	03/21/11 11:27	EPA 3005A	1,6010B	MG
Zinc, Dissolved	ND		mg/l	0.050	--	1	03/16/11 14:00	03/17/11 15:49	EPA 3005A	1,6010B	MG

Project Name: NANTUCKET LF **Lab Number:** L1103348
Project Number: Not Specified **Report Date:** 03/24/11

Method Blank Analysis
Batch Quality Control

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): 07-08 Batch: WG458916-1										
Hardness	ND		mg/l	0.66	--	1	03/16/11 13:25	03/18/11 15:09	1,6010B	AI

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-08 Batch: WG458922-1										
Arsenic, Dissolved	ND		mg/l	0.005	--	1	03/16/11 14:00	03/17/11 14:59	1,6010B	MG
Barium, Dissolved	ND		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 14:59	1,6010B	MG
Cadmium, Dissolved	ND		mg/l	0.005	--	1	03/16/11 14:00	03/17/11 14:59	1,6010B	MG
Calcium, Dissolved	ND		mg/l	0.10	--	1	03/16/11 14:00	03/17/11 14:59	1,6010B	MG
Chromium, Dissolved	ND		mg/l	0.01	--	1	03/16/11 14:00	03/17/11 14:59	1,6010B	MG
Copper, Dissolved	ND		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 14:59	1,6010B	MG
Iron, Dissolved	ND		mg/l	0.05	--	1	03/16/11 14:00	03/17/11 14:59	1,6010B	MG
Lead, Dissolved	ND		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 14:59	1,6010B	MG
Manganese, Dissolved	ND		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 14:59	1,6010B	MG
Selenium, Dissolved	ND		mg/l	0.010	--	1	03/16/11 14:00	03/17/11 14:59	1,6010B	MG
Silver, Dissolved	ND		mg/l	0.007	--	1	03/16/11 14:00	03/17/11 14:59	1,6010B	MG
Sodium, Dissolved	ND		mg/l	2.0	--	1	03/16/11 14:00	03/17/11 14:59	1,6010B	MG
Zinc, Dissolved	ND		mg/l	0.050	--	1	03/16/11 14:00	03/17/11 14:59	1,6010B	MG

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): 07-08 Batch: WG458923-1										
Cadmium, Dissolved	ND		mg/l	0.0002	--	1	03/16/11 14:00	03/22/11 00:27	1,6020	BM
Lead, Dissolved	ND		mg/l	0.0005	--	1	03/16/11 14:00	03/22/11 00:27	1,6020	BM

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-08 Batch: WG459190-1										
Mercury, Dissolved	ND		mg/l	0.0002	--	1	03/17/11 18:00	03/18/11 11:17	1,7470A	AH

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis
Batch Quality Control

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Hardness by SM 2340B - Westborough Lab Associated sample(s): 07-08 Batch: WG458916-2								
Hardness	100		-		80-120	-		
Dissolved Metals - Westborough Lab Associated sample(s): 01-08 Batch: WG458922-2								
Arsenic, Dissolved	107		-		80-120	-		
Barium, Dissolved	96		-		80-120	-		
Cadmium, Dissolved	103		-		80-120	-		
Calcium, Dissolved	96		-		80-120	-		
Chromium, Dissolved	100		-		80-120	-		
Copper, Dissolved	96		-		80-120	-		
Iron, Dissolved	93		-		80-120	-		
Lead, Dissolved	104		-		80-120	-		
Manganese, Dissolved	99		-		80-120	-		
Selenium, Dissolved	107		-		80-120	-		
Silver, Dissolved	97		-		80-120	-		
Sodium, Dissolved	110		-		80-120	-		
Zinc, Dissolved	100		-		80-120	-		
Dissolved Metals - Westborough Lab Associated sample(s): 07-08 Batch: WG458923-2								
Cadmium, Dissolved	105		-		80-120	-		
Lead, Dissolved	102		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-08 Batch: WG459190-2					
Mercury, Dissolved	103	-	70-130	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Hardness by SM 2340B - Westborough Lab Associated sample(s): 07-08 QC Batch ID: WG458916-4 QC Sample: L1103389-01 Client ID: MS Sample												
Hardness	48	66.2	110	94		-	-		75-125	-		20
Dissolved Metals - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG458922-4 QC Sample: L1103322-01 Client ID: MS Sample												
Arsenic, Dissolved	ND	0.12	0.131	109		-	-		75-125	-		20
Barium, Dissolved	0.129	2	2.07	97		-	-		75-125	-		20
Cadmium, Dissolved	ND	0.051	0.051	100		-	-		75-125	-		20
Calcium, Dissolved	120	10	140	**200**		-	-		75-125	-		20
Chromium, Dissolved	ND	0.2	0.19	95		-	-		75-125	-		20
Copper, Dissolved	ND	0.25	0.258	103		-	-		75-125	-		20
Iron, Dissolved	0.68	1	1.6	92		-	-		75-125	-		20
Lead, Dissolved	ND	0.51	0.522	102		-	-		75-125	-		20
Manganese, Dissolved	2.84	0.5	3.46	124		-	-		75-125	-		20
Selenium, Dissolved	ND	0.12	0.131	109		-	-		75-125	-		20
Silver, Dissolved	ND	0.05	0.051	102		-	-		75-125	-		20
Sodium, Dissolved	200	10	230	**300**		-	-		75-125	-		20
Zinc, Dissolved	ND	0.5	0.535	107		-	-		75-125	-		20
Dissolved Metals - Westborough Lab Associated sample(s): 07-08 QC Batch ID: WG458923-4 QC Sample: L1103389-01 Client ID: MS Sample												
Cadmium, Dissolved	ND	0.051	0.0536	105		-	-		80-120	-		20
Lead, Dissolved	ND	0.51	0.5220	102		-	-		80-120	-		20
Dissolved Metals - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG459190-4 QC Sample: L1103348-08 Client ID: SW-1												
Mercury, Dissolved	ND	0.001	0.0011	112		-	-		70-130	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG458922-3 QC Sample: L1103322-01 Client ID: DUP Sample						
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	ND	ND	mg/l	NC		20
Lead, Dissolved	ND	ND	mg/l	NC		20
Selenium, Dissolved	ND	ND	mg/l	NC		20
Silver, Dissolved	ND	ND	mg/l	NC		20
Zinc, Dissolved	ND	ND	mg/l	NC		20
Dissolved Metals - Westborough Lab Associated sample(s): 07-08 QC Batch ID: WG458923-3 QC Sample: L1103389-01 Client ID: DUP Sample						
Lead, Dissolved	ND	ND	mg/l	NC		20
Dissolved Metals - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG459190-3 QC Sample: L1103348-08 Client ID: SW-1						
Mercury, Dissolved	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

SAMPLE RESULTS

Lab ID: L1103348-01
Client ID: MW-3S
Sample Location: NANTUCKET, MA
Matrix: Water

Date Collected: 03/14/11 12:50
Date Received: 03/15/11
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	250		mg CaCO3/L	2.0	NA	1	-	03/18/11 08:58	30,2320B	SD
Solids, Total Dissolved	440		mg/l	10	--	1	-	03/17/11 14:10	30,2540C	DW
Cyanide, Total	ND		mg/l	0.005	--	1	03/22/11 09:45	03/22/11 13:26	1,9010B/9012A	JO
Chloride	62		mg/l	1.0	--	1	-	03/15/11 21:26	1,9251	LA
Nitrogen, Nitrate	0.23		mg/l	0.10	--	1	-	03/15/11 23:51	30,4500NO3-F	TH
Sulfate	69		mg/l	20	--	2	03/17/11 13:00	03/17/11 13:00	1,9038	SD
Chemical Oxygen Demand	85		mg/l	20	--	1	03/21/11 08:45	03/21/11 11:27	30,5220D	DW

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

SAMPLE RESULTS

Lab ID: L1103348-02
Client ID: MW-3D
Sample Location: NANTUCKET, MA
Matrix: Water

Date Collected: 03/14/11 13:20
Date Received: 03/15/11
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	120		mg CaCO3/L	2.0	NA	1	-	03/18/11 08:58	30,2320B	SD
Solids, Total Dissolved	310		mg/l	10	--	1	-	03/17/11 14:10	30,2540C	DW
Cyanide, Total	ND		mg/l	0.005	--	1	03/22/11 09:45	03/22/11 13:27	1,9010B/9012A	JO
Chloride	60		mg/l	1.0	--	1	-	03/15/11 22:01	1,9251	LA
Nitrogen, Nitrate	0.12		mg/l	0.10	--	1	-	03/15/11 23:52	30,4500NO3-F	TH
Sulfate	77		mg/l	50	--	5	03/17/11 13:00	03/17/11 13:00	1,9038	SD
Chemical Oxygen Demand	23		mg/l	20	--	1	03/21/11 08:45	03/21/11 11:27	30,5220D	DW

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

SAMPLE RESULTS

Lab ID: L1103348-03
Client ID: MW-7S
Sample Location: NANTUCKET, MA
Matrix: Water

Date Collected: 03/14/11 14:45
Date Received: 03/15/11
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	330		mg CaCO3/L	2.0	NA	1	-	03/18/11 08:58	30,2320B	SD
Solids, Total Dissolved	770		mg/l	10	--	1	-	03/17/11 14:10	30,2540C	DW
Cyanide, Total	ND		mg/l	0.005	--	1	03/22/11 09:45	03/22/11 13:54	1,9010B/9012A	JO
Chloride	52		mg/l	1.0	--	1	-	03/15/11 21:30	1,9251	LA
Nitrogen, Nitrate	0.42		mg/l	0.10	--	1	-	03/15/11 23:53	30,4500NO3-F	TH
Sulfate	210		mg/l	100	--	10	03/17/11 13:00	03/17/11 13:00	1,9038	SD
Chemical Oxygen Demand	120		mg/l	20	--	1	03/21/11 08:45	03/21/11 11:27	30,5220D	DW

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

SAMPLE RESULTS

Lab ID: L1103348-04
Client ID: MW-7D
Sample Location: NANTUCKET, MA
Matrix: Water

Date Collected: 03/14/11 15:00
Date Received: 03/15/11
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	76		mg CaCO3/L	2.0	NA	1	-	03/18/11 08:58	30,2320B	SD
Solids, Total Dissolved	170		mg/l	10	--	1	-	03/17/11 14:10	30,2540C	DW
Cyanide, Total	ND		mg/l	0.005	--	1	03/22/11 09:45	03/22/11 13:28	1,9010B/9012A	JO
Chloride	30		mg/l	1.0	--	1	-	03/15/11 21:31	1,9251	LA
Nitrogen, Nitrate	ND		mg/l	0.10	--	1	-	03/15/11 23:53	30,4500NO3-F	TH
Sulfate	34		mg/l	10	--	1	03/17/11 13:00	03/17/11 13:00	1,9038	SD
Chemical Oxygen Demand	ND		mg/l	20	--	1	03/21/11 08:45	03/21/11 11:27	30,5220D	DW

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

SAMPLE RESULTS

Lab ID: L1103348-05
Client ID: DUP-1
Sample Location: NANTUCKET, MA
Matrix: Water

Date Collected: 03/14/11 00:00
Date Received: 03/15/11
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	120		mg CaCO3/L	2.0	NA	1	-	03/18/11 08:58	30,2320B	SD
Solids, Total Dissolved	310		mg/l	10	--	1	-	03/17/11 14:10	30,2540C	DW
Cyanide, Total	ND		mg/l	0.005	--	1	03/22/11 09:45	03/22/11 13:32	1,9010B/9012A	JO
Chloride	62		mg/l	1.0	--	1	-	03/15/11 21:32	1,9251	LA
Nitrogen, Nitrate	ND		mg/l	0.10	--	1	-	03/15/11 23:54	30,4500NO3-F	TH
Sulfate	66		mg/l	50	--	5	03/17/11 13:00	03/17/11 13:00	1,9038	SD
Chemical Oxygen Demand	20		mg/l	20	--	1	03/21/11 08:45	03/21/11 11:28	30,5220D	DW

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

SAMPLE RESULTS

Lab ID: L1103348-06
Client ID: FB-1
Sample Location: NANTUCKET, MA
Matrix: Water

Date Collected: 03/14/11 13:30
Date Received: 03/15/11
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	ND		mg CaCO3/L	2.0	NA	1	-	03/18/11 08:58	30,2320B	SD
Solids, Total Dissolved	ND		mg/l	10	--	1	-	03/17/11 14:10	30,2540C	DW
Cyanide, Total	ND		mg/l	0.005	--	1	03/22/11 09:45	03/22/11 13:33	1,9010B/9012A	JO
Chloride	ND		mg/l	1.0	--	1	-	03/15/11 21:33	1,9251	LA
Nitrogen, Nitrate	ND		mg/l	0.10	--	1	-	03/15/11 23:55	30,4500NO3-F	TH
Sulfate	ND		mg/l	10	--	1	03/17/11 13:00	03/17/11 13:00	1,9038	SD
Chemical Oxygen Demand	ND		mg/l	20	--	1	03/21/11 08:45	03/21/11 11:28	30,5220D	DW

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

SAMPLE RESULTS

Lab ID: L1103348-07
Client ID: SW-3
Sample Location: NANTUCKET, MA
Matrix: Water

Date Collected: 03/14/11 15:20
Date Received: 03/15/11
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	13		mg CaCO3/L	2.0	NA	1	-	03/18/11 08:58	30,2320B	SD
Solids, Total Dissolved	280		mg/l	10	--	1	-	03/17/11 14:10	30,2540C	DW
Cyanide, Total	ND		mg/l	0.005	--	1	03/22/11 09:45	03/22/11 13:34	1,9010B/9012A	JO
Chloride	27		mg/l	1.0	--	1	-	03/15/11 21:33	1,9251	LA
Nitrogen, Nitrate	ND		mg/l	0.10	--	1	-	03/15/11 23:56	30,4500NO3-F	TH
Sulfate	160		mg/l	50	--	5	03/17/11 13:00	03/17/11 13:00	1,9038	SD
Chemical Oxygen Demand	30		mg/l	20	--	1	03/21/11 08:45	03/21/11 11:28	30,5220D	DW

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

SAMPLE RESULTS

Lab ID: L1103348-08
Client ID: SW-1
Sample Location: NANTUCKET, MA
Matrix: Water

Date Collected: 03/14/11 15:50
Date Received: 03/15/11
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	35		mg CaCO3/L	2.0	NA	1	-	03/18/11 08:58	30,2320B	SD
Solids, Total Dissolved	9700		mg/l	10	--	1	-	03/17/11 14:10	30,2540C	DW
Cyanide, Total	ND		mg/l	0.005	--	1	03/22/11 09:45	03/22/11 13:35	1,9010B/9012A	JO
Chloride	4700		mg/l	1000	--	1000	-	03/15/11 21:56	1,9251	LA
Nitrogen, Nitrate	0.15		mg/l	0.10	--	1	-	03/15/11 23:56	30,4500NO3-F	TH
Sulfate	690		mg/l	250	--	25	03/17/11 13:00	03/17/11 13:00	1,9038	SD
Chemical Oxygen Demand	340		mg/l	20	--	1	03/21/11 08:45	03/21/11 11:28	30,5220D	DW

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-08 Batch: WG458742-1										
Chloride	ND		mg/l	1.0	--	1	-	03/15/11 20:54	1,9251	LA
General Chemistry - Westborough Lab for sample(s): 01-08 Batch: WG458747-2										
Nitrogen, Nitrate	ND		mg/l	0.10	--	1	-	03/15/11 22:49	30,4500NO3-F	TH
General Chemistry - Westborough Lab for sample(s): 01-08 Batch: WG458985-1										
Solids, Total Dissolved	ND		mg/l	10	--	1	-	03/17/11 14:10	30,2540C	DW
General Chemistry - Westborough Lab for sample(s): 01-08 Batch: WG459028-5										
Sulfate	ND		mg/l	10	--	1	03/17/11 13:00	03/17/11 13:00	1,9038	SD
General Chemistry - Westborough Lab for sample(s): 01-08 Batch: WG459289-1										
Alkalinity, Total	ND		mg CaCO3/L	2.0	NA	1	-	03/18/11 08:58	30,2320B	SD
General Chemistry - Westborough Lab for sample(s): 01-08 Batch: WG459412-1										
Chemical Oxygen Demand	ND		mg/l	20	--	1	03/21/11 08:45	03/21/11 11:26	30,5220D	DW
General Chemistry - Westborough Lab for sample(s): 01-08 Batch: WG459647-3										
Cyanide, Total	ND		mg/l	0.005	--	1	03/22/11 09:45	03/22/11 13:23	1.9010B/9012A	JO

Lab Control Sample Analysis
Batch Quality Control

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 Batch: WG458742-2								
Chloride	90		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-08 Batch: WG458747-1								
Nitrogen, Nitrate	98		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-08 Batch: WG458985-2								
Solids, Total Dissolved	94		-		72-121	-		
General Chemistry - Westborough Lab Associated sample(s): 01-08 Batch: WG459028-6								
Sulfate	100		-		84-119	-		
General Chemistry - Westborough Lab Associated sample(s): 01-08 Batch: WG459289-2								
Alkalinity, Total	102		-		80-115	-		11
General Chemistry - Westborough Lab Associated sample(s): 01-08 Batch: WG459412-2								
Chemical Oxygen Demand	100		-		93-106	-		
General Chemistry - Westborough Lab Associated sample(s): 01-08 Batch: WG459647-1 WG459647-2								
Cyanide, Total	99		102		80-120	3		

Matrix Spike Analysis
Batch Quality Control

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG458742-3 QC Sample: L1103237-01 Client ID: MS Sample												
Chloride	3.9	40	43	99		-	-		58-140	-		7
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG458747-3 QC Sample: L1103320-01 Client ID: MS Sample												
Nitrogen, Nitrate	0.86	4	4.7	96		-	-		83-113	-		17
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG459028-7 QC Sample: L1103348-08 Client ID: SW-1												
Sulfate	690	1000	1700	99		-	-		55-147	-		14
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG459289-3 QC Sample: L1103348-08 Client ID: SW-1												
Alkalinity, Total	35	100	140	101		-	-		86-116	-		11
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG459412-3 QC Sample: L1103416-01 Client ID: MS Sample												
Chemical Oxygen Demand	51	238	330	115		-	-		84-120	-		12
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG459647-4 WG459647-5 QC Sample: L1103348-04 Client ID: MW-7D												
Cyanide, Total	ND	0.2	0.220	110		0.216	108		80-120	2		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG458742-4 QC Sample: L1103237-01 Client ID: DUP Sample						
Chloride	3.9	3.8	mg/l	3		7
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG458747-4 QC Sample: L1103320-01 Client ID: DUP Sample						
Nitrogen, Nitrate	0.86	0.86	mg/l	0		17
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG458985-3 QC Sample: L1103348-01 Client ID: MW-3S						
Solids, Total Dissolved	440	470	mg/l	7		11
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG459028-8 QC Sample: L1103348-08 Client ID: SW-1						
Sulfate	690	700	mg/l	1		14
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG459289-4 QC Sample: L1103348-08 Client ID: SW-1						
Alkalinity, Total	35	35	mg CaCO3/L	0		11
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG459412-4 QC Sample: L1103416-01 Client ID: DUP Sample						
Chemical Oxygen Demand	51	56	mg/l	9		12

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1103348-01A	Vial HCl preserved	A	N/A	4.8	Y	Absent	8260(14)
L1103348-01B	Vial HCl preserved	A	N/A	4.8	Y	Absent	8260(14)
L1103348-01C	Plastic 500ml HNO3 preserved	A	<2	4.8	Y	Absent	PB-SI(180),FE-SI(180),BA-SI(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),CD-SI(180),CR-SI(180),CA-SI(180),HG-S(28),SE-SI(180),ZN-SI(180)
L1103348-01D	Plastic 250ml unpreserved	A	N/A	4.8	Y	Absent	ALK-T-2320(14)
L1103348-01E	Plastic 500ml unpreserved	A	6	4.8	Y	Absent	CL-9251(28),SO4-9038(28),NO3-4500(2),TDS-2540(7)
L1103348-01F	Plastic 250ml H2SO4 preserved	A	<2	4.8	Y	Absent	COD-5220(28)
L1103348-01G	Plastic 250ml NaOH preserved	A	>12	4.8	Y	Absent	TCN-9010(14)
L1103348-02A	Vial HCl preserved	A	N/A	4.8	Y	Absent	8260(14)
L1103348-02B	Vial HCl preserved	A	N/A	4.8	Y	Absent	8260(14)
L1103348-02C	Plastic 500ml HNO3 preserved	A	<2	4.8	Y	Absent	PB-SI(180),FE-SI(180),BA-SI(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),CD-SI(180),CR-SI(180),CA-SI(180),HG-S(28),SE-SI(180),ZN-SI(180)
L1103348-02D	Plastic 250ml unpreserved	A	N/A	4.8	Y	Absent	ALK-T-2320(14)
L1103348-02E	Plastic 500ml unpreserved	A	6	4.8	Y	Absent	CL-9251(28),SO4-9038(28),NO3-4500(2),TDS-2540(7)
L1103348-02F	Plastic 250ml H2SO4 preserved	A	<2	4.8	Y	Absent	COD-5220(28)
L1103348-02G	Plastic 250ml NaOH preserved	A	>12	4.8	Y	Absent	TCN-9010(14)
L1103348-03A	Vial HCl preserved	A	N/A	4.8	Y	Absent	8260(14)
L1103348-03B	Vial HCl preserved	A	N/A	4.8	Y	Absent	8260(14)

*Values in parentheses indicate holding time in days

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1103348-03C	Plastic 500ml HNO3 preserved	A	<2	4.8	Y	Absent	PB-SI(180),FE-SI(180),BA-SI(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),CD-SI(180),CR-SI(180),CA-SI(180),HG-S(28),SE-SI(180),ZN-SI(180)
L1103348-03D	Plastic 250ml unpreserved	A	N/A	4.8	Y	Absent	ALK-T-2320(14)
L1103348-03E	Plastic 500ml unpreserved	A	6	4.8	Y	Absent	CL-9251(28),SO4-9038(28),NO3-4500(2),TDS-2540(7)
L1103348-03F	Plastic 250ml H2SO4 preserved	A	<2	4.8	Y	Absent	COD-5220(28)
L1103348-03G	Plastic 250ml NaOH preserved	A	>12	4.8	Y	Absent	TCN-9010(14)
L1103348-04A	Vial HCl preserved	A	N/A	4.8	Y	Absent	8260(14)
L1103348-04B	Vial HCl preserved	A	N/A	4.8	Y	Absent	8260(14)
L1103348-04C	Plastic 500ml HNO3 preserved	A	<2	4.8	Y	Absent	PB-SI(180),FE-SI(180),BA-SI(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),CD-SI(180),CR-SI(180),CA-SI(180),HG-S(28),SE-SI(180),ZN-SI(180)
L1103348-04D	Plastic 250ml unpreserved	A	N/A	4.8	Y	Absent	ALK-T-2320(14)
L1103348-04E	Plastic 500ml unpreserved	A	6	4.8	Y	Absent	CL-9251(28),SO4-9038(28),NO3-4500(2),TDS-2540(7)
L1103348-04F	Plastic 250ml H2SO4 preserved	A	<2	4.8	Y	Absent	COD-5220(28)
L1103348-04G	Plastic 250ml NaOH preserved	A	>12	4.8	Y	Absent	TCN-9010(14)
L1103348-05A	Vial HCl preserved	A	N/A	4.8	Y	Absent	8260(14)
L1103348-05B	Vial HCl preserved	A	N/A	4.8	Y	Absent	8260(14)
L1103348-05C	Plastic 500ml HNO3 preserved	A	<2	4.8	Y	Absent	PB-SI(180),FE-SI(180),BA-SI(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),CD-SI(180),CR-SI(180),CA-SI(180),HG-S(28),SE-SI(180),ZN-SI(180)
L1103348-05D	Plastic 250ml unpreserved	A	N/A	4.8	Y	Absent	ALK-T-2320(14)
L1103348-05E	Plastic 500ml unpreserved	A	6	4.8	Y	Absent	CL-9251(28),SO4-9038(28),NO3-4500(2),TDS-2540(7)
L1103348-05F	Plastic 250ml H2SO4 preserved	A	<2	4.8	Y	Absent	COD-5220(28)
L1103348-05G	Plastic 250ml NaOH preserved	A	>12	4.8	Y	Absent	TCN-9010(14)
L1103348-06A	Vial HCl preserved	A	N/A	4.8	Y	Absent	8260(14)
L1103348-06B	Vial HCl preserved	A	N/A	4.8	Y	Absent	8260(14)

*Values in parentheses indicate holding time in days

Project Name: NANTUCKET LF
Project Number: Not Specified

Lab Number: L1103348
Report Date: 03/24/11

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1103348-06C	Plastic 500ml HNO3 preserved	A	<2	4.8	Y	Absent	PB-SI(180),FE-SI(180),BA-SI(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),CD-SI(180),CR-SI(180),CA-SI(180),HG-S(28),SE-SI(180),ZN-SI(180)
L1103348-06D	Plastic 250ml unpreserved	A	N/A	4.8	Y	Absent	ALK-T-2320(14)
L1103348-06E	Plastic 500ml unpreserved	A	6	4.8	Y	Absent	CL-9251(28),SO4-9038(28),NO3-4500(2),TDS-2540(7)
L1103348-06F	Plastic 250ml H2SO4 preserved	A	<2	4.8	Y	Absent	COD-5220(28)
L1103348-06G	Plastic 250ml NaOH preserved	A	>12	4.8	Y	Absent	TCN-9010(14)
L1103348-07A	Vial HCl preserved	A	N/A	4.8	Y	Absent	8260(14)
L1103348-07B	Vial HCl preserved	A	N/A	4.8	Y	Absent	8260(14)
L1103348-07C	Plastic 500ml HNO3 preserved	A	<2	4.8	Y	Absent	FE-SI(180),BA-SI(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),PB-6020S(180),CR-SI(180),CA-SI(180),CD-6020S(180),HG-S(28),SE-SI(180),ZN-SI(180)
L1103348-07D	Plastic 250ml unpreserved	A	N/A	4.8	Y	Absent	ALK-T-2320(14)
L1103348-07E	Plastic 500ml unpreserved	A	6	4.8	Y	Absent	CL-9251(28),SO4-9038(28),NO3-4500(2),TDS-2540(7)
L1103348-07F	Plastic 250ml H2SO4 preserved	A	<2	4.8	Y	Absent	COD-5220(28)
L1103348-07G	Plastic 250ml NaOH preserved	A	>12	4.8	Y	Absent	TCN-9010(14)
L1103348-07H	Plastic 500ml HNO3 preserved	A	<2	4.8	Y	Absent	HARDT(180)
L1103348-08A	Vial HCl preserved	A	N/A	4.8	Y	Absent	8260(14)
L1103348-08B	Vial HCl preserved	A	N/A	4.8	Y	Absent	8260(14)
L1103348-08C	Plastic 500ml HNO3 preserved	A	<2	4.8	Y	Absent	FE-SI(180),BA-SI(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),PB-6020S(180),CR-SI(180),CA-SI(180),CD-6020S(180),HG-S(28),SE-SI(180),ZN-SI(180)
L1103348-08D	Plastic 250ml unpreserved	A	N/A	4.8	Y	Absent	ALK-T-2320(14)
L1103348-08E	Plastic 500ml unpreserved	A	6	4.8	Y	Absent	CL-9251(28),SO4-9038(28),NO3-4500(2),TDS-2540(7)
L1103348-08F	Plastic 250ml H2SO4 preserved	A	<2	4.8	Y	Absent	COD-5220(28)
L1103348-08G	Plastic 250ml NaOH preserved	A	>12	4.8	Y	Absent	TCN-9010(14)
L1103348-08H	Plastic 500ml HNO3 preserved	A	<2	4.8	Y	Absent	HARDT(180)
L1103348-09A	Vial HCl preserved	A	N/A	4.8	Y	Absent	8260(14)

*Values in parentheses indicate holding time in days

Project Name: NANTUCKET LF **Lab Number:** L1103348
Project Number: Not Specified **Report Date:** 03/24/11

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: NANTUCKET LF **Lab Number:** L1103348

Project Number: Not Specified **Report Date:** 03/24/11

Data Qualifiers

the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: NANTUCKET LF **Lab Number:** L1103348
Project Number: Not Specified **Report Date:** 03/24/11

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised February 23, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

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

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

Non-Potable Water (Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270C-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 7196A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 8270C-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

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

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

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

3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Department of Defense Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

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:03241120:35

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 3/15/11

ALPHA Job #: L1103348

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: CDM

Address: 50 Hampshire St Cambridge MA 02139

Phone: 617-452-6589

Fax: 617-452-6589

Email: BugayLA@CDM.com

☑ These samples have been previously analyzed by Alpha

Project Information

Project Name: NANTUCKET LF

Project Location: NANTUCKET MA

Project #:

Project Manager: LAURA BUGAY

ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 3/29/11 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☑ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program | Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTOCOLS

☐ Yes ☑ No Are MCP Analytical Methods Required?

☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:
For SW Samples Please use Method 6020 For Pb, Cd

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's	COD's	TCN	Wet Chem: TDS, Sol, Mg Cl	Alkalinity	Diss Metals (Fe, Zn, Cu, Pb, Ni, Cr, Cd, Ag, Mn)	Total Hardness						Sample Specific Comments	TOTAL # BOTTLES
L1103348-01	MW-3S	3/14/11	12:50	MW	FS/MD	X	X	X	X	X	X								7
-02	MW-3D		1320																7
-03	MW-7S		1445																7
-04	MW-7D		1500																7
-05	DUP-1		—																7
-06	FB-1		1330																7
-07	SW-3		1520	SW								X							8
-08	SW-1		1550	SW								X							8
-09	TRIP Blank	3/14/11	—	—	FS														1

Container Type	V	P	P	P	P	P	P					
Preservative	B	D	E	A	A	C	C					

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
Fred Eq	3/14/11 1635	[illegible]	3/15/11 10:23

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. See reverse side.

FORM NO: 01-01 (rev. 30-JUL-07)

ANALYTICAL REPORT

Lab Number:	L1103416
Client:	Camp Dresser & McKee, Inc. 1 Cambridge Place 50 Hampshire Street Cambridge, MA 02139
ATTN:	Laura Bugay
Phone:	(617) 452-6589
Project Name:	NANTUCKET LF
Project Number:	1910-78240
Report Date:	03/25/11

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-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: NANTUCKET LF
Project Number: 1910-78240

Lab Number: L1103416
Report Date: 03/25/11

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1103416-01	MW-8S	MADAKET RD., NANTUCKET	03/15/11 09:35
L1103416-02	MW-8D	MADAKET RD., NANTUCKET	03/15/11 09:50
L1103416-03	MW-1S	MADAKET RD., NANTUCKET	03/15/11 10:40
L1103416-04	MW-1D	MADAKET RD., NANTUCKET	03/15/11 11:15
L1103416-05	MW-6S	MADAKET RD., NANTUCKET	03/15/11 12:00
L1103416-06	MW-6D	MADAKET RD., NANTUCKET	03/15/11 12:40
L1103416-07	MW-5S	MADAKET RD., NANTUCKET	03/15/11 13:30
L1103416-08	MW-5D	MADAKET RD., NANTUCKET	03/15/11 14:00
L1103416-09	TRIP BLANK	MADAKET RD., NANTUCKET	03/15/11 00:00

Project Name: NANTUCKET LF
Project Number: 1910-78240

Lab Number: L1103416
Report Date: 03/25/11

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

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

Sample Receipt

The samples were field filtered for Dissolved Metals only.

Nitrogen, Nitrate

L1103416-01 through -08 were analyzed for Nitrite within the method required holding time. Aliquots of sample were then preserved and analyzed for Nitrate.

Chloride

L1103416-08 has an elevated detection limit due to the dilution required to quantitate the result within the calibration range.

Project Name: NANTUCKET LF
Project Number: 1910-78240

Lab Number: L1103416
Report Date: 03/25/11

Case Narrative (continued)

Sulfate

L1103416-08 has an elevated detection limit due to the dilution required to quantitate the result within the calibration range.

Solids, Total Dissolved

The WG459411-3 Laboratory Duplicate RPD (25%), performed on L1103416-02, 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: Kelly Stenstrom

Title: Technical Director/Representative

Date: 03/25/11

ORGANICS

VOLATILES

Project Name: NANTUCKET LF
Project Number: 1910-78240
Lab Number: L1103416
Report Date: 03/25/11

SAMPLE RESULTS

Lab ID: L1103416-01
Client ID: MW-8S
Sample Location: MADAKET RD., NANTUCKET
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 03/18/11 19:54
Analyst: PD

Date Collected: 03/15/11 09:35
Date Received: 03/16/11
Field Prep: See Narrative

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

Project Name: NANTUCKET LF **Lab Number:** L1103416

Project Number: 1910-78240 **Report Date:** 03/25/11

SAMPLE RESULTS

Lab ID: L1103416-01 Date Collected: 03/15/11 09:35

Client ID: MW-8S Date Received: 03/16/11

Sample Location: MADAKET RD., NANTUCKET Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,4-Dichlorobutane	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	6.5		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
Vinyl acetate	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Ethyl methacrylate	ND		ug/l	5.0	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1

Project Name: NANTUCKET LF
Project Number: 1910-78240
Lab Number: L1103416
Report Date: 03/25/11

SAMPLE RESULTS

Lab ID: L1103416-01
Client ID: MW-8S
Sample Location: MADAKET RD., NANTUCKET
Date Collected: 03/15/11 09:35
Date Received: 03/16/11
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	95		70-130

Project Name: NANTUCKET LF
Project Number: 1910-78240
Lab Number: L1103416
Report Date: 03/25/11

SAMPLE RESULTS

Lab ID: L1103416-02
Client ID: MW-8D
Sample Location: MADAKET RD., NANTUCKET
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 03/22/11 12:58
Analyst: PD

Date Collected: 03/15/11 09:50
Date Received: 03/16/11
Field Prep: See Narrative

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

Project Name: NANTUCKET LF **Lab Number:** L1103416

Project Number: 1910-78240 **Report Date:** 03/25/11

SAMPLE RESULTS

Lab ID: L1103416-02 Date Collected: 03/15/11 09:50

Client ID: MW-8D Date Received: 03/16/11

Sample Location: MADAKET RD., NANTUCKET Field Prep: See Narrative

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

Project Name: NANTUCKET LF **Lab Number:** L1103416

Project Number: 1910-78240 **Report Date:** 03/25/11

SAMPLE RESULTS

Lab ID: L1103416-02 Date Collected: 03/15/11 09:50

Client ID: MW-8D Date Received: 03/16/11

Sample Location: MADAKET RD., NANTUCKET Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	93		70-130

Project Name: NANTUCKET LF
Project Number: 1910-78240
Lab Number: L1103416
Report Date: 03/25/11

SAMPLE RESULTS

Lab ID: L1103416-03
Client ID: MW-1S
Sample Location: MADAKET RD., NANTUCKET
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 03/22/11 13:32
Analyst: PD

Date Collected: 03/15/11 10:40
Date Received: 03/16/11
Field Prep: See Narrative

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/i	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: NANTUCKET LF
Project Number: 1910-78240
Lab Number: L1103416
Report Date: 03/25/11

SAMPLE RESULTS

Lab ID: L1103416-03
Client ID: MW-1S
Sample Location: MADAKET RD., NANTUCKET
Date Collected: 03/15/11 10:40
Date Received: 03/16/11
Field Prep: See Narrative

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

Project Name: NANTUCKET LF **Lab Number:** L1103416

Project Number: 1910-78240 **Report Date:** 03/25/11

SAMPLE RESULTS

Lab ID: L1103416-03 Date Collected: 03/15/11 10:40

Client ID: MW-1S Date Received: 03/16/11

Sample Location: MADAKET RD., NANTUCKET Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	94		70-130

Project Name: NANTUCKET LF
Project Number: 1910-78240
Lab Number: L1103416
Report Date: 03/25/11

SAMPLE RESULTS

Lab ID:	L1103416-04	Date Collected:	03/15/11 11:15
Client ID:	MW-1D	Date Received:	03/16/11
Sample Location:	MADAKET RD., NANTUCKET	Field Prep:	See Narrative
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	03/22/11 14:07		
Analyst:	PD		

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

Project Name: NANTUCKET LF **Lab Number:** L1103416

Project Number: 1910-78240 **Report Date:** 03/25/11

SAMPLE RESULTS

Lab ID: L1103416-04 Date Collected: 03/15/11 11:15

Client ID: MW-1D Date Received: 03/16/11

Sample Location: MADAKET RD., NANTUCKET Field Prep: See Narrative

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

Project Name: NANTUCKET LF **Lab Number:** L1103416

Project Number: 1910-78240 **Report Date:** 03/25/11

SAMPLE RESULTS

Lab ID: L1103416-04 Date Collected: 03/15/11 11:15

Client ID: MW-1D Date Received: 03/16/11

Sample Location: MADAKET RD., NANTUCKET Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	94		70-130

Project Name: NANTUCKET LF
Project Number: 1910-78240
Lab Number: L1103416
Report Date: 03/25/11

SAMPLE RESULTS

Lab ID:	L1103416-05	Date Collected:	03/15/11 12:00
Client ID:	MW-6S	Date Received:	03/16/11
Sample Location:	MADAKET RD., NANTUCKET	Field Prep:	See Narrative
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	03/22/11 14:41		
Analyst:	PD		

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

Project Name: NANTUCKET LF **Lab Number:** L1103416

Project Number: 1910-78240 **Report Date:** 03/25/11

SAMPLE RESULTS

Lab ID: L1103416-05 Date Collected: 03/15/11 12:00

Client ID: MW-6S Date Received: 03/16/11

Sample Location: MADAKET RD., NANTUCKET Field Prep: See Narrative

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

Project Name: NANTUCKET LF **Lab Number:** L1103416

Project Number: 1910-78240 **Report Date:** 03/25/11

SAMPLE RESULTS

Lab ID: L1103416-05 Date Collected: 03/15/11 12:00

Client ID: MW-6S Date Received: 03/16/11

Sample Location: MADAKET RD., NANTUCKET Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	95		70-130

Project Name: NANTUCKET LF
Project Number: 1910-78240
Lab Number: L1103416
Report Date: 03/25/11

SAMPLE RESULTS

Lab ID: L1103416-06
Client ID: MW-6D
Sample Location: MADAKET RD., NANTUCKET
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 03/22/11 15:16
Analyst: PD

Date Collected: 03/15/11 12:40
Date Received: 03/16/11
Field Prep: See Narrative

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

Project Name: NANTUCKET LF **Lab Number:** L1103416

Project Number: 1910-78240 **Report Date:** 03/25/11

SAMPLE RESULTS

Lab ID: L1103416-06 Date Collected: 03/15/11 12:40

Client ID: MW-6D Date Received: 03/16/11

Sample Location: MADAKET RD., NANTUCKET Field Prep: See Narrative

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

Project Name: NANTUCKET LF **Lab Number:** L1103416

Project Number: 1910-78240 **Report Date:** 03/25/11

SAMPLE RESULTS

Lab ID: L1103416-06 Date Collected: 03/15/11 12:40

Client ID: MW-6D Date Received: 03/16/11

Sample Location: MADAKET RD., NANTUCKET Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	94		70-130

Project Name: NANTUCKET LF
Project Number: 1910-78240
Lab Number: L1103416
Report Date: 03/25/11

SAMPLE RESULTS

Lab ID: L1103416-07
Client ID: MW-5S
Sample Location: MADAKET RD., NANTUCKET
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 03/23/11 10:39
Analyst: PD

Date Collected: 03/15/11 13:30
Date Received: 03/16/11
Field Prep: See Narrative

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

Project Name: NANTUCKET LF
Project Number: 1910-78240
Lab Number: L1103416
Report Date: 03/25/11

SAMPLE RESULTS

Lab ID: L1103416-07
Client ID: MW-5S
Sample Location: MADAKET RD., NANTUCKET
Date Collected: 03/15/11 13:30
Date Received: 03/16/11
Field Prep: See Narrative

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

Project Name: NANTUCKET LF
Project Number: 1910-78240
Lab Number: L1103416
Report Date: 03/25/11

SAMPLE RESULTS

Lab ID: L1103416-07
Client ID: MW-5S
Sample Location: MADAKET RD., NANTUCKET
Date Collected: 03/15/11 13:30
Date Received: 03/16/11
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	97		70-130

Project Name: NANTUCKET LF
Project Number: 1910-78240
Lab Number: L1103416
Report Date: 03/25/11

SAMPLE RESULTS

Lab ID:	L1103416-08	Date Collected:	03/15/11 14:00
Client ID:	MW-5D	Date Received:	03/16/11
Sample Location:	MADAKET RD., NANTUCKET	Field Prep:	See Narrative
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	03/23/11 11:14		
Analyst:	PD		

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

Project Name: NANTUCKET LF **Lab Number:** L1103416

Project Number: 1910-78240 **Report Date:** 03/25/11

SAMPLE RESULTS

Lab ID: L1103416-08 Date Collected: 03/15/11 14:00

Client ID: MW-5D Date Received: 03/16/11

Sample Location: MADAKET RD., NANTUCKET Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	1.5		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
1,4-Dichlorobutane	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
Vinyl acetate	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Ethyl methacrylate	ND		ug/l	5.0	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1

Project Name: NANTUCKET LF
Project Number: 1910-78240
Lab Number: L1103416
Report Date: 03/25/11

SAMPLE RESULTS

Lab ID: L1103416-08
Client ID: MW-5D
Sample Location: MADAKET RD., NANTUCKET
Date Collected: 03/15/11 14:00
Date Received: 03/16/11
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	98		70-130

Project Name: NANTUCKET LF
Project Number: 1910-78240
Lab Number: L1103416
Report Date: 03/25/11

SAMPLE RESULTS

Lab ID: L1103416-09
Client ID: TRIP BLANK
Sample Location: MADAKET RD., NANTUCKET
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 03/23/11 11:48
Analyst: PD

Date Collected: 03/15/11 00:00
Date Received: 03/16/11
Field Prep: None

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

Project Name: NANTUCKET LF
Project Number: 1910-78240
Lab Number: L1103416
Report Date: 03/25/11

SAMPLE RESULTS

Lab ID: L1103416-09
Client ID: TRIP BLANK
Sample Location: MADAKET RD., NANTUCKET
Date Collected: 03/15/11 00:00
Date Received: 03/16/11
Field Prep: None

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

Project Name: NANTUCKET LF **Lab Number:** L1103416

Project Number: 1910-78240 **Report Date:** 03/25/11

SAMPLE RESULTS

Lab ID: L1103416-09 Date Collected: 03/15/11 00:00

Client ID: TRIP BLANK Date Received: 03/16/11

Sample Location: MADAKET RD., NANTUCKET Field Prep: None

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	97		70-130

Project Name: NANTUCKET LF
Project Number: 1910-78240

Lab Number: L1103416
Report Date: 03/25/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 03/18/11 10:00
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG459490-3					
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: NANTUCKET LF
Project Number: 1910-78240

Lab Number: L1103416
Report Date: 03/25/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 03/18/11 10:00
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG459490-3					
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	--
1,4-Dichlorobutane	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	--
Vinyl acetate	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Ethyl methacrylate	ND		ug/l	5.0	--
Acrylonitrile	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.5	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.5	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.50	--

Project Name: NANTUCKET LF
Project Number: 1910-78240

Lab Number: L1103416
Report Date: 03/25/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 03/18/11 10:00
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG459490-3					
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	--
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	--
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--
Ethyl ether	ND		ug/l	2.5	--
1,4-Dioxane	ND		ug/l	250	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	94		70-130

Project Name: NANTUCKET LF
Project Number: 1910-78240

Lab Number: L1103416
Report Date: 03/25/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 03/22/11 11:49
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-06 Batch: WG459835-3					
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: NANTUCKET LF
Project Number: 1910-78240

Lab Number: L1103416
Report Date: 03/25/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 03/22/11 11:49
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-06 Batch: WG459835-3					
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	--
1,4-Dichlorobutane	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	--
Vinyl acetate	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Ethyl methacrylate	ND		ug/l	5.0	--
Acrylonitrile	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.5	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.5	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.50	--

Project Name: NANTUCKET LF
Project Number: 1910-78240

Lab Number: L1103416
Report Date: 03/25/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 03/22/11 11:49
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-06 Batch: WG459835-3					
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	--
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	--
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--
Ethyl ether	ND		ug/l	2.5	--
1,4-Dioxane	ND		ug/l	250	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	94		70-130

Project Name: NANTUCKET LF
Project Number: 1910-78240

Lab Number: L1103416
Report Date: 03/25/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 03/23/11 10:05
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-09 Batch: WG459887-3					
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: NANTUCKET LF
Project Number: 1910-78240

Lab Number: L1103416
Report Date: 03/25/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 03/23/11 10:05
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-09 Batch: WG459887-3					
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	--
1,4-Dichlorobutane	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	--
Vinyl acetate	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Ethyl methacrylate	ND		ug/l	5.0	--
Acrylonitrile	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.5	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.5	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.50	--

Project Name: NANTUCKET LF
Project Number: 1910-78240

Lab Number: L1103416
Report Date: 03/25/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 03/23/11 10:05
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-09 Batch: WG459887-3					
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	--
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	--
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--
Ethyl ether	ND		ug/l	2.5	--
1,4-Dioxane	ND		ug/l	250	--

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

Lab Control Sample Analysis
Batch Quality Control

Project Name: NANTUCKET LF
Project Number: 1910-78240

Lab Number: L1103416
Report Date: 03/25/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG459490-1 WG459490-2								
Chlorobenzene	103		95		75-130	8		25
Benzene	106		97		76-127	9		25
Toluene	99		92		76-125	7		25
1,1-Dichloroethene	97		87		61-145	11		25
Trichloroethene	102		95		71-120	7		25

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		98		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	103		103		70-130
Dibromofluoromethane	98		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: NANTUCKET LF
Project Number: 1910-78240

Lab Number: L1103416
Report Date: 03/25/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-06 Batch: WG459835-1 WG459835-2								
Chlorobenzene	110		108		75-130	2		25
Benzene	114		110		76-127	4		25
Toluene	107		104		76-125	3		25
1,1-Dichloroethene	119		95		61-145	22		25
Trichloroethene	111		107		71-120	4		25

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		96		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	102		102		70-130
Dibromofluoromethane	96		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: NANTUCKET LF
Project Number: 1910-78240

Lab Number: L1103416
Report Date: 03/25/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-09 Batch: WG459887-1 WG459887-2								
Chlorobenzene	102		97		75-130	5		25
Benzene	105		100		76-127	5		25
Toluene	98		94		76-125	4		25
1,1-Dichloroethene	95		90		61-145	5		25
Trichloroethene	104		100		71-120	4		25

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		102		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	100		103		70-130
Dibromofluoromethane	100		101		70-130

METALS

Project Name: NANTUCKET LF
Project Number: 1910-78240
Lab Number: L1103416
Report Date: 03/25/11

SAMPLE RESULTS

Lab ID: L1103416-01
Client ID: MW-8S
Sample Location: MADAKET RD., NANTUCKET
Matrix: Water

Date Collected: 03/15/11 09:35
Date Received: 03/16/11
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Westborough Lab											
Arsenic, Dissolved	ND		mg/l	0.005	--	1	03/17/11 13:00	03/18/11 10:33	EPA 3005A	1,6010B	MG
Barium, Dissolved	ND		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 10:33	EPA 3005A	1,6010B	MG
Cadmium, Dissolved	ND		mg/l	0.005	--	1	03/17/11 13:00	03/18/11 10:33	EPA 3005A	1,6010B	MG
Calcium, Dissolved	20		mg/l	0.10	--	1	03/17/11 13:00	03/18/11 10:33	EPA 3005A	1,6010B	MG
Chromium, Dissolved	ND		mg/l	0.01	--	1	03/17/11 13:00	03/18/11 10:33	EPA 3005A	1,6010B	MG
Copper, Dissolved	ND		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 10:33	EPA 3005A	1,6010B	MG
Iron, Dissolved	0.12		mg/l	0.05	--	1	03/17/11 13:00	03/18/11 10:33	EPA 3005A	1,6010B	MG
Lead, Dissolved	ND		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 10:33	EPA 3005A	1,6010B	MG
Manganese, Dissolved	0.013		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 10:33	EPA 3005A	1,6010B	MG
Mercury, Dissolved	ND		mg/l	0.0002	--	1	03/18/11 13:40	03/21/11 14:22	EPA 7470A	1,7470A	AH
Selenium, Dissolved	ND		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 10:33	EPA 3005A	1,6010B	MG
Silver, Dissolved	ND		mg/l	0.007	--	1	03/17/11 13:00	03/18/11 10:33	EPA 3005A	1,6010B	MG
Sodium, Dissolved	26		mg/l	2.0	--	1	03/17/11 13:00	03/18/11 10:33	EPA 3005A	1,6010B	MG
Zinc, Dissolved	ND		mg/l	0.050	--	1	03/17/11 13:00	03/18/11 10:33	EPA 3005A	1,6010B	MG

Project Name: NANTUCKET LF
Project Number: 1910-78240
Lab Number: L1103416
Report Date: 03/25/11

SAMPLE RESULTS

Lab ID: L1103416-02
Client ID: MW-8D
Sample Location: MADAKET RD., NANTUCKET
Matrix: Water

Date Collected: 03/15/11 09:50
Date Received: 03/16/11
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Westborough Lab											
Arsenic, Dissolved	ND		mg/l	0.005	--	1	03/17/11 13:00	03/18/11 10:36	EPA 3005A	1,6010B	MG
Barium, Dissolved	ND		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 10:36	EPA 3005A	1,6010B	MG
Cadmium, Dissolved	ND		mg/l	0.005	--	1	03/17/11 13:00	03/18/11 10:36	EPA 3005A	1,6010B	MG
Calcium, Dissolved	1.6		mg/l	0.10	--	1	03/17/11 13:00	03/18/11 10:36	EPA 3005A	1,6010B	MG
Chromium, Dissolved	ND		mg/l	0.01	--	1	03/17/11 13:00	03/18/11 10:36	EPA 3005A	1,6010B	MG
Copper, Dissolved	ND		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 10:36	EPA 3005A	1,6010B	MG
Iron, Dissolved	ND		mg/l	0.05	--	1	03/17/11 13:00	03/18/11 10:36	EPA 3005A	1,6010B	MG
Lead, Dissolved	ND		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 10:36	EPA 3005A	1,6010B	MG
Manganese, Dissolved	ND		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 10:36	EPA 3005A	1,6010B	MG
Mercury, Dissolved	ND		mg/l	0.0002	--	1	03/18/11 13:40	03/21/11 14:24	EPA 7470A	1,7470A	AH
Selenium, Dissolved	ND		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 10:36	EPA 3005A	1,6010B	MG
Silver, Dissolved	ND		mg/l	0.007	--	1	03/17/11 13:00	03/18/11 10:36	EPA 3005A	1,6010B	MG
Sodium, Dissolved	11		mg/l	2.0	--	1	03/17/11 13:00	03/18/11 10:36	EPA 3005A	1,6010B	MG
Zinc, Dissolved	ND		mg/l	0.050	--	1	03/17/11 13:00	03/18/11 10:36	EPA 3005A	1,6010B	MG

Project Name: NANTUCKET LF
Project Number: 1910-78240
Lab Number: L1103416
Report Date: 03/25/11

SAMPLE RESULTS

Lab ID: L1103416-03
Client ID: MW-1S
Sample Location: MADAKET RD., NANTUCKET
Matrix: Water

Date Collected: 03/15/11 10:40
Date Received: 03/16/11
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Westborough Lab											
Arsenic, Dissolved	ND		mg/l	0.005	--	1	03/17/11 13:00	03/18/11 10:38	EPA 3005A	1,6010B	MG
Barium, Dissolved	ND		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 10:38	EPA 3005A	1,6010B	MG
Cadmium, Dissolved	ND		mg/l	0.005	--	1	03/17/11 13:00	03/18/11 10:38	EPA 3005A	1,6010B	MG
Calcium, Dissolved	3.3		mg/l	0.10	--	1	03/17/11 13:00	03/18/11 10:38	EPA 3005A	1,6010B	MG
Chromium, Dissolved	ND		mg/l	0.01	--	1	03/17/11 13:00	03/18/11 10:38	EPA 3005A	1,6010B	MG
Copper, Dissolved	ND		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 10:38	EPA 3005A	1,6010B	MG
Iron, Dissolved	ND		mg/l	0.05	--	1	03/17/11 13:00	03/18/11 10:38	EPA 3005A	1,6010B	MG
Lead, Dissolved	ND		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 10:38	EPA 3005A	1,6010B	MG
Manganese, Dissolved	ND		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 10:38	EPA 3005A	1,6010B	MG
Mercury, Dissolved	ND		mg/l	0.0002	--	1	03/18/11 13:40	03/21/11 14:26	EPA 7470A	1,7470A	AH
Selenium, Dissolved	ND		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 10:38	EPA 3005A	1,6010B	MG
Silver, Dissolved	ND		mg/l	0.007	--	1	03/17/11 13:00	03/18/11 10:38	EPA 3005A	1,6010B	MG
Sodium, Dissolved	13		mg/l	2.0	--	1	03/17/11 13:00	03/18/11 10:38	EPA 3005A	1,6010B	MG
Zinc, Dissolved	ND		mg/l	0.050	--	1	03/17/11 13:00	03/18/11 10:38	EPA 3005A	1,6010B	MG

Project Name: NANTUCKET LF
Project Number: 1910-78240
Lab Number: L1103416
Report Date: 03/25/11

SAMPLE RESULTS

Lab ID: L1103416-04
Client ID: MW-1D
Sample Location: MADAKET RD., NANTUCKET
Matrix: Water

Date Collected: 03/15/11 11:15
Date Received: 03/16/11
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Westborough Lab											
Arsenic, Dissolved	ND		mg/l	0.005	--	1	03/17/11 13:00	03/18/11 10:41	EPA 3005A	1,6010B	MG
Barium, Dissolved	ND		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 10:41	EPA 3005A	1,6010B	MG
Cadmium, Dissolved	ND		mg/l	0.005	--	1	03/17/11 13:00	03/18/11 10:41	EPA 3005A	1,6010B	MG
Calcium, Dissolved	15		mg/l	0.10	--	1	03/17/11 13:00	03/18/11 10:41	EPA 3005A	1,6010B	MG
Chromium, Dissolved	ND		mg/l	0.01	--	1	03/17/11 13:00	03/18/11 10:41	EPA 3005A	1,6010B	MG
Copper, Dissolved	ND		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 10:41	EPA 3005A	1,6010B	MG
Iron, Dissolved	ND		mg/l	0.05	--	1	03/17/11 13:00	03/18/11 10:41	EPA 3005A	1,6010B	MG
Lead, Dissolved	ND		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 10:41	EPA 3005A	1,6010B	MG
Manganese, Dissolved	ND		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 10:41	EPA 3005A	1,6010B	MG
Mercury, Dissolved	ND		mg/l	0.0002	--	1	03/18/11 13:40	03/21/11 14:27	EPA 7470A	1,7470A	AH
Selenium, Dissolved	ND		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 10:41	EPA 3005A	1,6010B	MG
Silver, Dissolved	ND		mg/l	0.007	--	1	03/17/11 13:00	03/18/11 10:41	EPA 3005A	1,6010B	MG
Sodium, Dissolved	12		mg/l	2.0	--	1	03/17/11 13:00	03/18/11 10:41	EPA 3005A	1,6010B	MG
Zinc, Dissolved	ND		mg/l	0.050	--	1	03/17/11 13:00	03/18/11 10:41	EPA 3005A	1,6010B	MG

Project Name:	NANTUCKET LF	**Lab Number:**	L1103416
Project Number:	1910-78240	**Report Date:**	03/25/11

SAMPLE RESULTS

Lab ID:	L1103416-05	Date Collected:	03/15/11 12:00
Client ID:	MW-6S	Date Received:	03/16/11
Sample Location:	MADAKET RD., NANTUCKET	Field Prep:	See Narrative
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Westborough Lab											
Arsenic, Dissolved	ND		mg/l	0.005	--	1	03/17/11 13:00	03/18/11 10:43	EPA 3005A	1,6010B	MG
Barium, Dissolved	0.035		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 10:43	EPA 3005A	1,6010B	MG
Cadmium, Dissolved	ND		mg/l	0.005	--	1	03/17/11 13:00	03/18/11 10:43	EPA 3005A	1,6010B	MG
Calcium, Dissolved	10		mg/l	0.10	--	1	03/17/11 13:00	03/18/11 10:43	EPA 3005A	1,6010B	MG
Chromium, Dissolved	ND		mg/l	0.01	--	1	03/17/11 13:00	03/18/11 10:43	EPA 3005A	1,6010B	MG
Copper, Dissolved	ND		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 10:43	EPA 3005A	1,6010B	MG
Iron, Dissolved	0.30		mg/l	0.05	--	1	03/17/11 13:00	03/18/11 10:43	EPA 3005A	1,6010B	MG
Lead, Dissolved	ND		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 10:43	EPA 3005A	1,6010B	MG
Manganese, Dissolved	0.044		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 10:43	EPA 3005A	1,6010B	MG
Mercury, Dissolved	ND		mg/l	0.0002	--	1	03/18/11 13:40	03/21/11 14:29	EPA 7470A	1,7470A	AH
Selenium, Dissolved	ND		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 10:43	EPA 3005A	1,6010B	MG
Silver, Dissolved	ND		mg/l	0.007	--	1	03/17/11 13:00	03/18/11 10:43	EPA 3005A	1,6010B	MG
Sodium, Dissolved	20		mg/l	2.0	--	1	03/17/11 13:00	03/18/11 10:43	EPA 3005A	1,6010B	MG
Zinc, Dissolved	0.134		mg/l	0.050	--	1	03/17/11 13:00	03/18/11 10:43	EPA 3005A	1,6010B	MG

Project Name: NANTUCKET LF
Project Number: 1910-78240
Lab Number: L1103416
Report Date: 03/25/11

SAMPLE RESULTS

Lab ID: L1103416-06
Client ID: MW-6D
Sample Location: MADAKET RD., NANTUCKET
Matrix: Water

Date Collected: 03/15/11 12:40
Date Received: 03/16/11
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Westborough Lab											
Arsenic, Dissolved	ND		mg/l	0.005	--	1	03/17/11 13:00	03/18/11 10:46	EPA 3005A	1,6010B	MG
Barium, Dissolved	ND		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 10:46	EPA 3005A	1,6010B	MG
Cadmium, Dissolved	ND		mg/l	0.005	--	1	03/17/11 13:00	03/18/11 10:46	EPA 3005A	1,6010B	MG
Calcium, Dissolved	3.5		mg/l	0.10	--	1	03/17/11 13:00	03/18/11 10:46	EPA 3005A	1,6010B	MG
Chromium, Dissolved	ND		mg/l	0.01	--	1	03/17/11 13:00	03/18/11 10:46	EPA 3005A	1,6010B	MG
Copper, Dissolved	ND		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 10:46	EPA 3005A	1,6010B	MG
Iron, Dissolved	ND		mg/l	0.05	--	1	03/17/11 13:00	03/18/11 10:46	EPA 3005A	1,6010B	MG
Lead, Dissolved	ND		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 10:46	EPA 3005A	1,6010B	MG
Manganese, Dissolved	ND		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 10:46	EPA 3005A	1,6010B	MG
Mercury, Dissolved	ND		mg/l	0.0002	--	1	03/18/11 13:40	03/21/11 14:31	EPA 7470A	1,7470A	AH
Selenium, Dissolved	ND		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 10:46	EPA 3005A	1,6010B	MG
Silver, Dissolved	ND		mg/l	0.007	--	1	03/17/11 13:00	03/18/11 10:46	EPA 3005A	1,6010B	MG
Sodium, Dissolved	16		mg/l	2.0	--	1	03/17/11 13:00	03/18/11 10:46	EPA 3005A	1,6010B	MG
Zinc, Dissolved	ND		mg/l	0.050	--	1	03/17/11 13:00	03/18/11 10:46	EPA 3005A	1,6010B	MG

Project Name:	NANTUCKET LF	**Lab Number:**	L1103416
Project Number:	1910-78240	**Report Date:**	03/25/11

SAMPLE RESULTS

Lab ID:	L1103416-07	Date Collected:	03/15/11 13:30
Client ID:	MW-5S	Date Received:	03/16/11
Sample Location:	MADAKET RD., NANTUCKET	Field Prep:	See Narrative
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Westborough Lab											
Arsenic, Dissolved	ND		mg/l	0.005	--	1	03/17/11 13:00	03/18/11 10:48	EPA 3005A	1,6010B	MG
Barium, Dissolved	0.020		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 10:48	EPA 3005A	1,6010B	MG
Cadmium, Dissolved	ND		mg/l	0.005	--	1	03/17/11 13:00	03/18/11 10:48	EPA 3005A	1,6010B	MG
Calcium, Dissolved	2.1		mg/l	0.10	--	1	03/17/11 13:00	03/18/11 10:48	EPA 3005A	1,6010B	MG
Chromium, Dissolved	ND		mg/l	0.01	--	1	03/17/11 13:00	03/18/11 10:48	EPA 3005A	1,6010B	MG
Copper, Dissolved	ND		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 10:48	EPA 3005A	1,6010B	MG
Iron, Dissolved	ND		mg/l	0.05	--	1	03/17/11 13:00	03/18/11 10:48	EPA 3005A	1,6010B	MG
Lead, Dissolved	ND		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 10:48	EPA 3005A	1,6010B	MG
Manganese, Dissolved	0.165		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 10:48	EPA 3005A	1,6010B	MG
Mercury, Dissolved	ND		mg/l	0.0002	--	1	03/18/11 13:40	03/21/11 14:33	EPA 7470A	1,7470A	AH
Selenium, Dissolved	ND		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 10:48	EPA 3005A	1,6010B	MG
Silver, Dissolved	ND		mg/l	0.007	--	1	03/17/11 13:00	03/18/11 10:48	EPA 3005A	1,6010B	MG
Sodium, Dissolved	14		mg/l	2.0	--	1	03/17/11 13:00	03/18/11 10:48	EPA 3005A	1,6010B	MG
Zinc, Dissolved	ND		mg/l	0.050	--	1	03/17/11 13:00	03/18/11 10:48	EPA 3005A	1,6010B	MG

Project Name: NANTUCKET LF
Project Number: 1910-78240
Lab Number: L1103416
Report Date: 03/25/11

SAMPLE RESULTS

Lab ID: L1103416-08
Client ID: MW-5D
Sample Location: MADAKET RD., NANTUCKET
Matrix: Water

Date Collected: 03/15/11 14:00
Date Received: 03/16/11
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Westborough Lab											
Arsenic, Dissolved	ND		mg/l	0.005	--	1	03/17/11 13:00	03/18/11 10:51	EPA 3005A	1,6010B	MG
Barium, Dissolved	0.022		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 10:51	EPA 3005A	1,6010B	MG
Cadmium, Dissolved	ND		mg/l	0.005	--	1	03/17/11 13:00	03/18/11 10:51	EPA 3005A	1,6010B	MG
Calcium, Dissolved	14		mg/l	0.10	--	1	03/17/11 13:00	03/18/11 10:51	EPA 3005A	1,6010B	MG
Chromium, Dissolved	ND		mg/l	0.01	--	1	03/17/11 13:00	03/18/11 10:51	EPA 3005A	1,6010B	MG
Copper, Dissolved	ND		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 10:51	EPA 3005A	1,6010B	MG
Iron, Dissolved	ND		mg/l	0.05	--	1	03/17/11 13:00	03/18/11 10:51	EPA 3005A	1,6010B	MG
Lead, Dissolved	ND		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 10:51	EPA 3005A	1,6010B	MG
Manganese, Dissolved	0.841		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 10:51	EPA 3005A	1,6010B	MG
Mercury, Dissolved	ND		mg/l	0.0002	--	1	03/18/11 13:40	03/21/11 14:35	EPA 7470A	1,7470A	AH
Selenium, Dissolved	ND		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 10:51	EPA 3005A	1,6010B	MG
Silver, Dissolved	ND		mg/l	0.007	--	1	03/17/11 13:00	03/18/11 10:51	EPA 3005A	1,6010B	MG
Sodium, Dissolved	190		mg/l	2.0	--	1	03/17/11 13:00	03/18/11 10:51	EPA 3005A	1,6010B	MG
Zinc, Dissolved	ND		mg/l	0.050	--	1	03/17/11 13:00	03/18/11 10:51	EPA 3005A	1,6010B	MG

Project Name: NANTUCKET LF
Project Number: 1910-78240

Lab Number: L1103416
Report Date: 03/25/11

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-08 Batch: WG459118-1										
Arsenic, Dissolved	ND		mg/l	0.005	--	1	03/17/11 13:00	03/18/11 09:50	1,6010B	MG
Barium, Dissolved	ND		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 09:50	1,6010B	MG
Cadmium, Dissolved	ND		mg/l	0.005	--	1	03/17/11 13:00	03/18/11 09:50	1,6010B	MG
Calcium, Dissolved	ND		mg/l	0.10	--	1	03/17/11 13:00	03/18/11 09:50	1,6010B	MG
Chromium, Dissolved	ND		mg/l	0.01	--	1	03/17/11 13:00	03/18/11 09:50	1,6010B	MG
Copper, Dissolved	ND		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 09:50	1,6010B	MG
Iron, Dissolved	ND		mg/l	0.05	--	1	03/17/11 13:00	03/18/11 09:50	1,6010B	MG
Lead, Dissolved	ND		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 09:50	1,6010B	MG
Manganese, Dissolved	ND		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 09:50	1,6010B	MG
Selenium, Dissolved	ND		mg/l	0.010	--	1	03/17/11 13:00	03/18/11 09:50	1,6010B	MG
Silver, Dissolved	ND		mg/l	0.007	--	1	03/17/11 13:00	03/18/11 09:50	1,6010B	MG
Sodium, Dissolved	ND		mg/l	2.0	--	1	03/17/11 13:00	03/18/11 09:50	1,6010B	MG
Zinc, Dissolved	ND		mg/l	0.050	--	1	03/17/11 13:00	03/18/11 09:50	1,6010B	MG

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): 01-08 Batch: WG459265-1										
Mercury, Dissolved	ND		mg/l	0.0002	--	1	03/18/11 13:40	03/21/11 14:19	1,7470A	AH

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis
Batch Quality Control

Project Name: NANTUCKET LF
Project Number: 1910-78240

Lab Number: L1103416
Report Date: 03/25/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-08 Batch: WG459118-2								
Arsenic, Dissolved	108		-		80-120	-		
Barium, Dissolved	96		-		80-120	-		
Cadmium, Dissolved	104		-		80-120	-		
Calcium, Dissolved	92		-		80-120	-		
Chromium, Dissolved	100		-		80-120	-		
Copper, Dissolved	96		-		80-120	-		
Iron, Dissolved	95		-		80-120	-		
Lead, Dissolved	105		-		80-120	-		
Manganese, Dissolved	102		-		80-120	-		
Selenium, Dissolved	106		-		80-120	-		
Silver, Dissolved	100		-		80-120	-		
Sodium, Dissolved	100		-		80-120	-		
Zinc, Dissolved	102		-		80-120	-		
Dissolved Metals - Westborough Lab Associated sample(s): 01-08 Batch: WG459265-2								
Mercury, Dissolved	105		-		70-130	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: NANTUCKET LF
Project Number: 1910-78240

Lab Number: L1103416
Report Date: 03/25/11

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG459118-4 QC Sample: L1103447-01 Client ID: MS Sample												
Arsenic, Dissolved	0.013	0.12	0.141	106		-	-		75-125	-		20
Barium, Dissolved	0.032	2	1.92	94		-	-		75-125	-		20
Cadmium, Dissolved	ND	0.051	0.052	102		-	-		75-125	-		20
Calcium, Dissolved	15	10	24	90		-	-		75-125	-		20
Chromium, Dissolved	ND	0.2	0.20	100		-	-		75-125	-		20
Copper, Dissolved	ND	0.25	0.241	96		-	-		75-125	-		20
Iron, Dissolved	4.7	1	5.6	90		-	-		75-125	-		20
Lead, Dissolved	ND	0.51	0.530	104		-	-		75-125	-		20
Manganese, Dissolved	0.628	0.5	1.12	98		-	-		75-125	-		20
Selenium, Dissolved	ND	0.12	0.126	105		-	-		75-125	-		20
Silver, Dissolved	ND	0.05	0.050	100		-	-		75-125	-		20
Sodium, Dissolved	7.5	10	19	115		-	-		75-125	-		20
Zinc, Dissolved	ND	0.5	0.513	103		-	-		75-125	-		20
Dissolved Metals - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG459265-4 QC Sample: L1103416-08 Client ID: MW-5D												
Mercury, Dissolved	ND	0.001	0.0011	114		-	-		70-130	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: NANTUCKET LF
Project Number: 1910-78240

Lab Number: L1103416
Report Date: 03/25/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG459118-3 QC Sample: L1103447-01 Client ID: .DUP Sample						
Cadmium, Dissolved	ND	ND	mg/l	NC		20
Chromium, Dissolved	ND	ND	mg/l	NC		20
Copper, Dissolved	ND	ND	mg/l	NC		20
Iron, Dissolved	4.7	4.9	mg/l	4		20
Manganese, Dissolved	0.628	0.645	mg/l	3		20
Silver, Dissolved	ND	ND	mg/l	NC		20
Dissolved Metals - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG459265-3 QC Sample: L1103416-08 Client ID: MW-5D						
Mercury, Dissolved	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: NANTUCKET LF
Project Number: 1910-78240

Lab Number: L1103416
Report Date: 03/25/11

SAMPLE RESULTS

Lab ID: L1103416-01
Client ID: MW-8S
Sample Location: MADAKET RD., NANTUCKET
Matrix: Water

Date Collected: 03/15/11 09:35
Date Received: 03/16/11
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	82		mg CaCO3/L	2.0	NA	1	-	03/18/11 08:58	30,2320B	SD
Solids, Total Dissolved	240		mg/l	10	--	1	-	03/17/11 14:10	30,2540C	DW
Cyanide, Total	ND		mg/l	0.005	--	1	03/22/11 09:45	03/22/11 13:42	1,9010B/9012A	JO
Chloride	36		mg/l	1.0	--	1	-	03/21/11 22:20	1,9251	LA
Nitrogen, Nitrate	1.2		mg/l	0.10	--	1	-	03/17/11 22:36	30,4500NO3-F	TH
Sulfate	23		mg/l	10	--	1	03/21/11 12:00	03/21/11 12:00	1,9038	SD
Chemical Oxygen Demand	51		mg/l	20	--	1	03/21/11 08:45	03/21/11 11:30	30,5220D	DW

Project Name: NANTUCKET LF
Project Number: 1910-78240

Lab Number: L1103416
Report Date: 03/25/11

SAMPLE RESULTS

Lab ID: L1103416-02
Client ID: MW-8D
Sample Location: MADAKET RD., NANTUCKET
Matrix: Water

Date Collected: 03/15/11 09:50
Date Received: 03/16/11
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	6.7		mg CaCO3/L	2.0	NA	1	-	03/18/11 08:58	30,2320B	SD
Solids, Total Dissolved	49		mg/l	10	--	1	-	03/21/11 14:20	30,2540C	DW
Cyanide, Total	ND		mg/l	0.005	--	1	03/22/11 09:45	03/22/11 13:36	1,9010B/9012A	JO
Chloride	15		mg/l	1.0	--	1	-	03/21/11 22:21	1,9251	LA
Nitrogen, Nitrate	0.35		mg/l	0.10	--	1	-	03/17/11 22:37	30,4500NO3-F	TH
Sulfate	ND		mg/l	10	--	1	03/21/11 12:00	03/21/11 12:00	1,9038	SD
Chemical Oxygen Demand	ND		mg/l	20	--	1	03/21/11 08:45	03/21/11 11:30	30,5220D	DW

Project Name: NANTUCKET LF
Project Number: 1910-78240

Lab Number: L1103416
Report Date: 03/25/11

SAMPLE RESULTS

Lab ID: L1103416-03
Client ID: MW-1S
Sample Location: MADAKET RD., NANTUCKET
Matrix: Water

Date Collected: 03/15/11 10:40
Date Received: 03/16/11
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	7.1		mg CaCO3/L	2.0	NA	1	-	03/18/11 08:58	30,2320B	SD
Solids, Total Dissolved	47		mg/l	10	--	1	-	03/21/11 14:20	30,2540C	DW
Cyanide, Total	ND		mg/l	0.005	--	1	03/22/11 09:45	03/22/11 13:37	1,9010B/9012A	JO
Chloride	19		mg/l	1.0	--	1	-	03/21/11 22:22	1,9251	LA
Nitrogen, Nitrate	ND		mg/l	0.10	--	1	-	03/18/11 00:21	30,4500NO3-F	TH
Sulfate	ND		mg/l	10	--	1	03/21/11 12:00	03/21/11 12:00	1,9038	SD
Chemical Oxygen Demand	ND		mg/l	20	--	1	03/21/11 08:45	03/21/11 11:30	30,5220D	DW

Project Name: NANTUCKET LF
Project Number: 1910-78240

Lab Number: L1103416
Report Date: 03/25/11

SAMPLE RESULTS

Lab ID: L1103416-04
Client ID: MW-1D
Sample Location: MADAKET RD., NANTUCKET
Matrix: Water

Date Collected: 03/15/11 11:15
Date Received: 03/16/11
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	43		mg CaCO3/L	2.0	NA	1	-	03/18/11 08:58	30,2320B	SD
Solids, Total Dissolved	72		mg/l	10	--	1	-	03/21/11 14:20	30,2540C	DW
Cyanide, Total	ND		mg/l	0.005	--	1	03/22/11 09:45	03/22/11 13:43	1,9010B/9012A	JO
Chloride	15		mg/l	1.0	--	1	-	03/21/11 22:22	1,9251	LA
Nitrogen, Nitrate	0.41		mg/l	0.10	--	1	-	03/17/11 22:38	30,4500NO3-F	TH
Sulfate	ND		mg/l	10	--	1	03/21/11 12:00	03/21/11 12:00	1,9038	SD
Chemical Oxygen Demand	ND		mg/l	20	--	1	03/21/11 08:45	03/21/11 11:30	30,5220D	DW

Project Name: NANTUCKET LF
Project Number: 1910-78240

Lab Number: L1103416
Report Date: 03/25/11

SAMPLE RESULTS

Lab ID: L1103416-05
Client ID: MW-6S
Sample Location: MADAKET RD., NANTUCKET
Matrix: Water

Date Collected: 03/15/11 12:00
Date Received: 03/16/11
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	15		mg CaCO3/L	2.0	NA	1	-	03/18/11 08:58	30,2320B	SD
Solids, Total Dissolved	100		mg/l	10	--	1	-	03/21/11 14:20	30,2540C	DW
Cyanide, Total	ND		mg/l	0.005	--	1	03/22/11 09:45	03/22/11 13:44	1,9010B/9012A	JO
Chloride	19		mg/l	1.0	--	1	-	03/21/11 22:25	1,9251	LA
Nitrogen, Nitrate	2.0		mg/l	0.10	--	1	-	03/17/11 22:39	30,4500NO3-F	TH
Sulfate	34		mg/l	10	--	1	03/21/11 12:00	03/21/11 12:00	1,9038	SD
Chemical Oxygen Demand	ND		mg/l	20	--	1	03/21/11 08:45	03/21/11 11:32	30,5220D	DW

Project Name: NANTUCKET LF
Project Number: 1910-78240

Lab Number: L1103416
Report Date: 03/25/11

SAMPLE RESULTS

Lab ID: L1103416-06
Client ID: MW-6D
Sample Location: MADAKET RD., NANTUCKET
Matrix: Water

Date Collected: 03/15/11 12:40
Date Received: 03/16/11
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	7.1		mg CaCO3/L	2.0	NA	1	-	03/18/11 08:58	30,2320B	SD
Solids, Total Dissolved	75		mg/l	10	--	1	-	03/21/11 14:20	30,2540C	DW
Cyanide, Total	ND		mg/l	0.005	--	1	03/22/11 09:45	03/22/11 13:39	1,9010B/9012A	JO
Chloride	25		mg/l	1.0	--	1	-	03/21/11 23:26	1,9251	LA
Nitrogen, Nitrate	1.6		mg/l	0.10	--	1	-	03/17/11 22:40	30,4500NO3-F	TH
Sulfate	ND		mg/l	10	--	1	03/21/11 12:00	03/21/11 12:00	1,9038	SD
Chemical Oxygen Demand	ND		mg/l	20	--	1	03/21/11 08:45	03/21/11 11:32	30,5220D	DW

Project Name: NANTUCKET LF
Project Number: 1910-78240

Lab Number: L1103416
Report Date: 03/25/11

SAMPLE RESULTS

Lab ID: L1103416-07
Client ID: MW-5S
Sample Location: MADAKET RD., NANTUCKET
Matrix: Water

Date Collected: 03/15/11 13:30
Date Received: 03/16/11
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	2.7		mg CaCO3/L	2.0	NA	1	-	03/18/11 08:58	30,2320B	SD
Solids, Total Dissolved	50		mg/l	10	--	1	-	03/21/11 14:20	30,2540C	DW
Cyanide, Total	ND		mg/l	0.005	--	1	03/22/11 16:30	03/23/11 15:54	1,9010B/9012A	JO
Chloride	22		mg/l	1.0	--	1	-	03/21/11 22:29	1,9251	LA
Nitrogen, Nitrate	0.17		mg/l	0.10	--	1	-	03/17/11 22:40	30,4500NO3-F	TH
Sulfate	ND		mg/l	10	--	1	03/21/11 12:00	03/21/11 12:00	1,9038	SD
Chemical Oxygen Demand	ND		mg/l	20	--	1	03/21/11 08:45	03/21/11 11:32	30,5220D	DW

Project Name: NANTUCKET LF
Project Number: 1910-78240

Lab Number: L1103416
Report Date: 03/25/11

SAMPLE RESULTS

Lab ID: L1103416-08
Client ID: MW-5D
Sample Location: MADAKET RD., NANTUCKET
Matrix: Water

Date Collected: 03/15/11 14:00
Date Received: 03/16/11
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	28		mg CaCO3/L	2.0	NA	1	-	03/18/11 08:58	30,2320B	SD
Solids, Total Dissolved	590		mg/l	10	--	1	-	03/21/11 14:20	30,2540C	DW
Cyanide, Total	ND		mg/l	0.005	--	1	03/22/11 16:30	03/23/11 15:54	1,9010B/9012A	JO
Chloride	280		mg/l	10	--	10	-	03/21/11 23:28	1,9251	LA
Nitrogen, Nitrate	0.21		mg/l	0.10	--	1	-	03/17/11 22:41	30,4500NO3-F	TH
Sulfate	51		mg/l	20	--	2	03/21/11 12:00	03/21/11 12:00	1,9038	SD
Chemical Oxygen Demand	ND		mg/l	20	--	1	03/21/11 08:45	03/21/11 11:32	30,5220D	DW

Project Name: NANTUCKET LF
Project Number: 1910-78240

Lab Number: L1103416
Report Date: 03/25/11

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG458984-1										
Solids, Total Dissolved	ND		mg/l	10	--	1	-	03/17/11 14:10	30,2540C	DW
General Chemistry - Westborough Lab for sample(s): 01-08 Batch: WG459132-2										
Nitrogen, Nitrate	ND		mg/l	0.10	--	1	-	03/17/11 22:02	30,4500NO3-F	TH
General Chemistry - Westborough Lab for sample(s): 01-08 Batch: WG459291-1										
Alkalinity, Total	ND		mg CaCO3/L	2.0	NA	1	-	03/18/11 08:58	30,2320B	SD
General Chemistry - Westborough Lab for sample(s): 02-08 Batch: WG459411-1										
Solids, Total Dissolved	ND		mg/l	10	--	1	-	03/21/11 14:20	30,2540C	DW
General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG459412-1										
Chemical Oxygen Demand	ND		mg/l	20	--	1	03/21/11 08:45	03/21/11 11:26	30,5220D	DW
General Chemistry - Westborough Lab for sample(s): 05-08 Batch: WG459413-1										
Chemical Oxygen Demand	ND		mg/l	20	--	1	03/21/11 08:45	03/21/11 11:31	30,5220D	DW
General Chemistry - Westborough Lab for sample(s): 01-08 Batch: WG459478-1										
Sulfate	ND		mg/l	10	--	1	03/21/11 12:00	03/21/11 12:00	1,9038	SD
General Chemistry - Westborough Lab for sample(s): 01-08 Batch: WG459585-1										
Chloride	ND		mg/l	1.0	--	1	-	03/21/11 22:18	1,9251	LA
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG459647-3										
Cyanide, Total	ND		mg/l	0.005	--	1	03/22/11 09:45	03/22/11 13:23	1,9010B/9012A	JO
General Chemistry - Westborough Lab for sample(s): 07-08 Batch: WG459725-3										
Cyanide, Total	ND		mg/l	0.005	--	1	03/22/11 16:30	03/23/11 15:41	1,9010B/9012A	JO

Lab Control Sample Analysis
Batch Quality Control

Project Name: NANTUCKET LF
Project Number: 1910-78240

Lab Number: L1103416
Report Date: 03/25/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG458984-2								
Solids, Total Dissolved	90		-		72-121	-		
General Chemistry - Westborough Lab Associated sample(s): 01-08 Batch: WG459132-1								
Nitrogen, Nitrate	98		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-08 Batch: WG459291-2								
Alkalinity, Total	102		-		80-115	-		11
General Chemistry - Westborough Lab Associated sample(s): 02-08 Batch: WG459411-2								
Solids, Total Dissolved	90		-		72-121	-		
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG459412-2								
Chemical Oxygen Demand	100		-		93-106	-		
General Chemistry - Westborough Lab Associated sample(s): 05-08 Batch: WG459413-2								
Chemical Oxygen Demand	102		-		93-106	-		
General Chemistry - Westborough Lab Associated sample(s): 01-08 Batch: WG459478-2								
Sulfate	100		-		84-119	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: NANTUCKET LF
Project Number: 1910-78240

Lab Number: L1103416
Report Date: 03/25/11

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab	Associated sample(s): 01-08	Batch: WG459585-2			
Chloride	97	-	90-110	-	
General Chemistry - Westborough Lab	Associated sample(s): 01-06	Batch: WG459647-1	WG459647-2		
Cyanide, Total	99	102	80-120	3	
General Chemistry - Westborough Lab	Associated sample(s): 07-08	Batch: WG459725-1	WG459725-2		
Cyanide, Total	101	102	80-120	1	

Matrix Spike Analysis
Batch Quality Control

Project Name: NANTUCKET LF
Project Number: 1910-78240

Lab Number: L1103416
Report Date: 03/25/11

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG459132-3 QC Sample: L1103447-01 Client ID: MS Sample												
Nitrogen, Nitrate	ND	4	3.8	95		-	-		83-113	-		17
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG459291-3 QC Sample: L1103416-08 Client ID: MW-5D												
Alkalinity, Total	28	100	130	100		-	-		86-116	-		11
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG459412-3 QC Sample: L1103416-01 Client ID: MW-8S												
Chemical Oxygen Demand	51	238	330	115		-	-		84-120	-		12
General Chemistry - Westborough Lab Associated sample(s): 05-08 QC Batch ID: WG459413-3 QC Sample: L1103416-05 Client ID: MW-6S												
Chemical Oxygen Demand	ND	238	270	115		-	-		84-120	-		12
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG459478-3 QC Sample: L1103447-09 Client ID: MS Sample												
Sulfate	100	200	290	94		-	-		55-147	-		14
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG459585-3 QC Sample: L1103416-04 Client ID: MW-1D												
Chloride	15	20	35	100		-	-		58-140	-		7
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG459647-4 WG459647-5 QC Sample: L1103348-04 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.220	110		0.216	108		80-120	2		30
General Chemistry - Westborough Lab Associated sample(s): 07-08 QC Batch ID: WG459725-4 WG459725-5 QC Sample: L1103416-08 Client ID: MW-5D												
Cyanide, Total	ND	0.2	0.209	104		0.207	104		80-120	1		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: NANTUCKET LF
Project Number: 1910-78240

Lab Number: L1103416
Report Date: 03/25/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG458984-3 QC Sample: L1103416-01 Client ID: MW-8S						
Solids, Total Dissolved	240	230	mg/l	4		11
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG459132-4 QC Sample: L1103447-01 Client ID: DUP Sample						
Nitrogen, Nitrate	ND	ND	mg/l	NC		17
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG459291-4 QC Sample: L1103416-08 Client ID: MW-5D						
Alkalinity, Total	28	28	mg CaCO3/L	0		11
General Chemistry - Westborough Lab Associated sample(s): 02-08 QC Batch ID: WG459411-3 QC Sample: L1103416-02 Client ID: MW-8D						
Solids, Total Dissolved	49	38	mg/l	**25**	Q	11
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG459412-4 QC Sample: L1103416-01 Client ID: MW-8S						
Chemical Oxygen Demand	51	56	mg/l	9		12
General Chemistry - Westborough Lab Associated sample(s): 05-08 QC Batch ID: WG459413-4 QC Sample: L1103416-05 Client ID: MW-6S						
Chemical Oxygen Demand	ND	ND	mg/l	NC		12
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG459478-4 QC Sample: L1103447-09 Client ID: DUP Sample						
Sulfate	100	100	mg/l	0		14
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG459585-4 QC Sample: L1103416-04 Client ID: MW-1D						
Chloride	15	15	mg/l	0		7

Project Name: NANTUCKET LF
Project Number: 1910-78240

Lab Number: L1103416
Report Date: 03/25/11

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1103416-01A	Vial HCl preserved	A	N/A	3.2	Y	Absent	8260(14)
L1103416-01B	Vial HCl preserved	A	N/A	3.2	Y	Absent	8260(14)
L1103416-01C	Plastic 500ml HNO3 preserved	A	<2	3.2	Y	Absent	PB-SI(180),FE-SI(180),BA-SI(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),CD-SI(180),CR-SI(180),CA-SI(180),HG-S(28),SE-SI(180),ZN-SI(180)
L1103416-01D	Plastic 250ml unpreserved	A	N/A	3.2	Y	Absent	ALK-T-2320(14)
L1103416-01E	Plastic 500ml unpreserved	A	6	3.2	Y	Absent	CL-9251(28),SO4-9038(28),NO3-4500(2),TDS-2540(7)
L1103416-01F	Plastic 250ml H2SO4 preserved	A	<2	3.2	Y	Absent	COD-5220(28)
L1103416-01G	Plastic 250ml NaOH preserved	A	>12	3.2	Y	Absent	TCN-9010(14)
L1103416-02A	Vial HCl preserved	A	N/A	3.2	Y	Absent	8260(14)
L1103416-02B	Vial HCl preserved	A	N/A	3.2	Y	Absent	8260(14)
L1103416-02C	Plastic 500ml HNO3 preserved	A	<2	3.2	Y	Absent	PB-SI(180),FE-SI(180),BA-SI(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),CD-SI(180),CR-SI(180),CA-SI(180),HG-S(28),SE-SI(180),ZN-SI(180)
L1103416-02D	Plastic 500ml unpreserved	A	N/A	3.2	Y	Absent	ALK-T-2320(14)
L1103416-02E	Plastic 500ml unpreserved	A	6	3.2	Y	Absent	CL-9251(28),SO4-9038(28),NO3-4500(2),TDS-2540(7)
L1103416-02F	Plastic 250ml H2SO4 preserved	A	<2	3.2	Y	Absent	COD-5220(28)
L1103416-02G	Plastic 250ml NaOH preserved	A	>12	3.2	Y	Absent	TCN-9010(14)
L1103416-03A	Vial HCl preserved	A	N/A	3.2	Y	Absent	8260(14)
L1103416-03B	Vial HCl preserved	A	N/A	3.2	Y	Absent	8260(14)

*Values in parentheses indicate holding time in days

Project Name: NANTUCKET LF
Project Number: 1910-78240

Lab Number: L1103416
Report Date: 03/25/11

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1103416-03C	Plastic 500ml HNO3 preserved	A	<2	3.2	Y	Absent	PB-SI(180),FE-SI(180),BA-SI(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),CD-SI(180),CR-SI(180),CA-SI(180),HG-S(28),SE-SI(180),ZN-SI(180)
L1103416-03D	Plastic 250ml unpreserved	A	N/A	3.2	Y	Absent	ALK-T-2320(14)
L1103416-03E	Plastic 500ml unpreserved	A	6	3.2	Y	Absent	CL-9251(28),SO4-9038(28),NO3-4500(2),TDS-2540(7)
L1103416-03F	Plastic 250ml H2SO4 preserved	A	<2	3.2	Y	Absent	COD-5220(28)
L1103416-03G	Plastic 250ml NaOH preserved	A	>12	3.2	Y	Absent	TCN-9010(14)
L1103416-04A	Vial HCl preserved	A	N/A	3.2	Y	Absent	8260(14)
L1103416-04B	Vial HCl preserved	A	N/A	3.2	Y	Absent	8260(14)
L1103416-04C	Plastic 500ml HNO3 preserved	A	<2	3.2	Y	Absent	PB-SI(180),FE-SI(180),BA-SI(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),CD-SI(180),CR-SI(180),CA-SI(180),HG-S(28),SE-SI(180),ZN-SI(180)
L1103416-04D	Plastic 250ml unpreserved	A	N/A	3.2	Y	Absent	ALK-T-2320(14)
L1103416-04E	Plastic 500ml unpreserved	A	6	3.2	Y	Absent	CL-9251(28),SO4-9038(28),NO3-4500(2),TDS-2540(7)
L1103416-04F	Plastic 250ml H2SO4 preserved	A	<2	3.2	Y	Absent	COD-5220(28)
L1103416-04G	Plastic 250ml NaOH preserved	A	>12	3.2	Y	Absent	TCN-9010(14)
L1103416-05A	Vial HCl preserved	A	N/A	3.2	Y	Absent	8260(14)
L1103416-05B	Vial HCl preserved	A	N/A	3.2	Y	Absent	8260(14)
L1103416-05C	Plastic 500ml HNO3 preserved	A	<2	3.2	Y	Absent	PB-SI(180),FE-SI(180),BA-SI(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),CD-SI(180),CR-SI(180),CA-SI(180),HG-S(28),SE-SI(180),ZN-SI(180)
L1103416-05D	Plastic 250ml unpreserved	A	N/A	3.2	Y	Absent	ALK-T-2320(14)
L1103416-05E	Plastic 500ml unpreserved	A	6	3.2	Y	Absent	CL-9251(28),SO4-9038(28),NO3-4500(2),TDS-2540(7)
L1103416-05F	Plastic 250ml H2SO4 preserved	A	<2	3.2	Y	Absent	COD-5220(28)
L1103416-05G	Plastic 250ml NaOH preserved	A	>12	3.2	Y	Absent	TCN-9010(14)
L1103416-06A	Vial HCl preserved	A	N/A	3.2	Y	Absent	8260(14)
L1103416-06B	Vial HCl preserved	A	N/A	3.2	Y	Absent	8260(14)

*Values in parentheses indicate holding time in days

Project Name: NANTUCKET LF
Project Number: 1910-78240

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Report Date: 03/25/11

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1103416-06C	Plastic 500ml HNO3 preserved	A	<2	3.2	Y	Absent	PB-SI(180),FE-SI(180),BA-SI(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),CD-SI(180),CR-SI(180),CA-SI(180),HG-S(28),SE-SI(180),ZN-SI(180)
L1103416-06D	Plastic 250ml unpreserved	A	N/A	3.2	Y	Absent	ALK-T-2320(14)
L1103416-06E	Plastic 500ml unpreserved	A	6	3.2	Y	Absent	CL-9251(28),SO4-9038(28),NO3-4500(2),TDS-2540(7)
L1103416-06F	Plastic 250ml H2SO4 preserved	A	<2	3.2	Y	Absent	COD-5220(28)
L1103416-06G	Plastic 250ml NaOH preserved	A	>12	3.2	Y	Absent	TCN-9010(14)
L1103416-07A	Vial HCl preserved	A	N/A	3.2	Y	Absent	8260(14)
L1103416-07B	Vial HCl preserved	A	N/A	3.2	Y	Absent	8260(14)
L1103416-07C	Plastic 500ml HNO3 preserved	A	<2	3.2	Y	Absent	PB-SI(180),FE-SI(180),BA-SI(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),CD-SI(180),CR-SI(180),CA-SI(180),HG-S(28),SE-SI(180),ZN-SI(180)
L1103416-07D	Plastic 250ml unpreserved	A	N/A	3.2	Y	Absent	ALK-T-2320(14)
L1103416-07E	Plastic 500ml unpreserved	A	6	3.2	Y	Absent	CL-9251(28),SO4-9038(28),NO3-4500(2),TDS-2540(7)
L1103416-07F	Plastic 250ml H2SO4 preserved	A	<2	3.2	Y	Absent	COD-5220(28)
L1103416-07G	Plastic 250ml NaOH preserved	A	>12	3.2	Y	Absent	TCN-9010(14)
L1103416-08A	Vial HCl preserved	A	N/A	3.2	Y	Absent	8260(14)
L1103416-08B	Vial HCl preserved	A	N/A	3.2	Y	Absent	8260(14)
L1103416-08C	Plastic 500ml HNO3 preserved	A	<2	3.2	Y	Absent	PB-SI(180),FE-SI(180),BA-SI(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),CD-SI(180),CR-SI(180),CA-SI(180),HG-S(28),SE-SI(180),ZN-SI(180)
L1103416-08D	Plastic 250ml unpreserved	A	N/A	3.2	Y	Absent	ALK-T-2320(14)
L1103416-08E	Plastic 500ml unpreserved	A	6	3.2	Y	Absent	CL-9251(28),SO4-9038(28),NO3-4500(2),TDS-2540(7)
L1103416-08F	Plastic 250ml H2SO4 preserved	A	<2	3.2	Y	Absent	COD-5220(28)
L1103416-08G	Plastic 250ml NaOH preserved	A	>12	3.2	Y	Absent	TCN-9010(14)
L1103416-09A	Vial HCl preserved	A	N/A	3.2	Y	Absent	8260(14)
L1103416-09B	Vial HCl preserved	A	N/A	3.2	Y	Absent	8260(14)

*Values in parentheses indicate holding time in days

Project Name: NANTUCKET LF **Lab Number:** L1103416
Project Number: 1910-78240 **Report Date:** 03/25/11

GLOSSARY

Acronyms

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when

Project Name: NANTUCKET LF **Lab Number:** L1103416
Project Number: 1910-78240 **Report Date:** 03/25/11

Data Qualifiers

the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: NANTUCKET LF
Project Number: 1910-78240

Lab Number: L1103416
Report Date: 03/25/11

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised February 23, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

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

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

Non-Potable Water (Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270C-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 7196A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 8270C-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

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

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

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

3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Department of Defense Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

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

Date Rec'd in Lab: 3/16/11

ALPHA Job #: L1103446

ALPHA TECHNICAL

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Serial_No:03251110:00

Client Information

Client: CDM

Address: 50 HAMPSHIRE ST
CAMBRIDGE MA 02139

Phone: 617-452-6589

Fax: 617-452-6589

Email: BUGAYLA@CDM.COM

☑ These samples have been previously analyzed by Alpha

Project Information

Project Name: NANTUCKET LF

Project Location: MADAKET RD, NANTUCKET

Project #: 1410-78240

Project Manager: LAURA BUGAY

ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 3/30/11 Time:

Report Information - Data Deliverables

☑ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☑ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program | Criteria

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	VOCs	COD	TOC	WET CHEM: TDS, Sulf, Nitr, Cl	Alkalinity	Dissolved Metals (Field Filtered) Ca, Mg							Sample Specific Comments	TOTAL # BOTTLES
03446-01	MW-8S	3/15/11	9:35	MW	FS/MD	X	X	X	X	X	X								7
-02	MW-8D		9:50																
-03	MW-1S		10:40																
-04	MW-1D		11:15																
-05	MW-6S		12:00																
-06	MW-6D		12:40																
-07	MW-5S		13:30																
-08	MW-5D		14:00																
-09	TRIP BLANK	3/11/11		-	DS														1

Container Type	V	P	P	P	P	P						
Preservative	B	D	E	A	A	C						

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[signature] Fedex	3/15/11 1630	[signature]	3/16/11 1022

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)

June 3, 2011

Mr. David Ellis
Department of Environmental Protection
Southeast Regional Office
20 Riverside Drive
Lakeville, Massachusetts 02347

Subject: Summary of Groundwater, Surface Water, and Gas Sampling
Nantucket Landfill, March 2011
Nantucket, Massachusetts

Dear Mr. Ellis:

On March 14 and 15, 2011, Camp Dresser & McKee Inc. (CDM) personnel collected groundwater and surface water samples and field analyzed landfill gas samples at the Nantucket Landfill in Nantucket, Massachusetts. The sampling was performed in accordance with the Massachusetts Solid Waste Management Regulations (310 CMR 19.132) and the approved Environmental Monitoring Plan, prepared by SECOR International Inc. in July 1999, for the landfill. All samples were delivered to Alpha Analytical Laboratories, Inc. in Westborough, Massachusetts for analysis of the required parameters in the Solid Waste Management Regulations.

This report contains the following:

Appendix A contains a site plan (Figure 1) which shows each sampling location. Appendix B contains Tables 1 through 6 which summarize field and laboratory sampling results. Tables 1 through 6 specifically contain the following:

- Table 1 summarizes the groundwater levels measured at each groundwater monitoring well.
- Table 2 summarizes the analytical results for indicator parameters (alkalinity, chloride, chemical oxygen demand (COD)), cyanide, nitrate-nitrogen, sulfate, and total dissolved solids (TDS)); dissolved metals (arsenic, barium, cadmium, calcium, chromium, copper, iron, lead, manganese, mercury, selenium, silver, sodium, and zinc); and parameters measured in the field (temperature, conductivity, dissolved oxygen, and pH) for groundwater samples.
- Table 3 summarizes the analytical results of VOCs for groundwater samples.
- Table 4 summarizes the analytical results for indicator parameters (alkalinity, chloride, chemical oxygen demand (COD)), cyanide, nitrate-nitrogen, sulfate, total dissolved solids (TDS), and measured hardness); dissolved metals (arsenic, barium, cadmium,

Appendix D

24-hour Gas Notification

Bugay, Laura

From: Bugay, Laura
Sent: Thursday, March 17, 2011 3:38 PM
To: 'Dave.Ellis@State.MA.US'
Cc: 'mnabulsi@nantucket-ma.gov'
Subject: 24-hour landfill gas notification- Nantucket Landfill, Nantucket

Dave,

In accordance with 310 CMR 19.132 (4) (h), CDM on behalf of the Town of Nantucket notifies MassDEP that during landfill gas sampling yesterday (March 16th) the concentration of methane gas exceeded 25% of the Lower Explosive Limit (LEL) at one landfill gas sampling well located to the south-east of the landfill site. The percent of the LEL by volume detected at this location is as follows:

LGW-9 524% LEL

Landfill gas well LGW-9 is located adjacent to Massasoit Bridge Road in the southeast corner of the site. One additional probe was conducted closer to the road and fence line, approximately 6-feet away from LGW-9. No gas was detected at this location, indicating landfill gas in not migrating further south towards the road.

A report summarizing all the sampling results will be submitted in the next few weeks.

Please feel free to call me if you have any questions or require any additional information.

Laura

Laura A. Bugay, P.E.
Project Manager

CDM
One Cambridge Place, 50 Hampshire Street
Cambridge, Massachusetts 02139

Email: bugayla@cdm.com

Phone & Fax: 617-452-6589