

FINAL



SHEPLEY'S HILL LANDFILL SUPPLEMENTAL GROUNDWATER AND LANDFILL CAP ASSESSMENT FOR LONG-TERM MONITORING AND MAINTENANCE – ADDENDUM REPORT

SHEPLEY'S HILL LANDFILL

FORMER FORT DEVENS ARMY INSTALLATION, DEVENS, MA

AUGUST 2011

BOOK 1 OF 4

**Prepared for:
US Army Corp of Engineers
New England District
Concord, Massachusetts**

**Prepared by:
Sovereign Consulting Inc.
Contract No.: W912WJ-10-D-0003
Delivery Order: 0002**



Attachment D

Attachment D



ANALYTICAL REPORT

Lab Number: L1007633

Client: Sovereign Consulting
905B South Main Street
Mansfield, MA 02048

ATTN: Phil McBain

Phone: (508) 339-3200

Project Name: SHL TASK 0002

Project Number: AC001

Report Date: 06/16/10

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

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



Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1007633
Report Date: 06/16/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1007633-01	SP-10-07-029	DEVENS, MA	05/21/10 09:30
L1007633-02	SP-10-07-041	DEVENS, MA	05/21/10 10:10
L1007633-03	SP-10-07-053	DEVENS, MA	05/21/10 10:30
L1007633-04	SDUP-052110	DEVENS, MA	05/21/10 09:30
L1007633-05	RB-052110-0	DEVENS, MA	05/21/10 11:25

Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1007633
Report Date: 06/16/10

Case Narrative

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

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

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

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

Report Submission

Testing performed for the reported analyses followed the guidelines established under the DoD QSM 4.1, where applicable.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Total Metals

L1007633-03 has elevated detection limits for all analytes, with the exception of Mercury, due to the dilution required by target analyte spectral interferences encountered during analysis.

The WG415741-3/-4 MS/MSD recoveries for Iron (0%/0%), performed on L1007633-01, are invalid because the sample concentration is greater than four times the spike amount added.

The WG415741-3/-4 MS/MSD recoveries, performed on L1007633-01, are below the acceptance criteria for

Project Name: SHL TASK 0002

Lab Number: L1007633

Project Number: AC001

Report Date: 06/16/10

Case Narrative (continued)

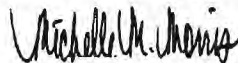
Antimony (77%/77%) and Magnesium (MSD at 63%). A post digestion spike was performed with an acceptable recovery of 97% for Antimony and 83% for Magnesium. The results for the parent sample (L1007633-01) should be qualified as "UJ" for Antimony and "J" for Magnesium.

The WG415741-3/-4 MS/MSD RPDs, associated with L1007633-01, are above the acceptance criteria for Calcium (21%) and Magnesium (27%). The results of the associated sample are reported. The results for the parent sample (L1007633-01) should be qualified as "J" for Calcium.

The WG415741-6 Post Digestion Spike recovery for Silver was outside the DoD acceptance criteria of 75-125%; therefore, the results for the parent sample (L1007633-01) should be qualified as "UJ".

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: 06/16/10

METALS

Project Name: SHL TASK 0002

Lab Number: L1007633

Project Number: AC001

Report Date: 06/16/10

SAMPLE RESULTS

Lab ID: L1007633-01

Date Collected: 05/21/10 09:30

Client ID: SP-10-07-029

Date Received: 05/21/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	2800		mg/kg	4.8	1.4	1	06/02/10 18:30	06/07/10 10:39	EPA 3050B	1,6010B	AI
Antimony, Total	ND		mg/kg	2.41	0.381	1	06/02/10 18:30	06/07/10 10:39	EPA 3050B	1,6010B	AI
Arsenic, Total	5.61		mg/kg	0.241	0.097	1	06/02/10 18:30	06/07/10 10:39	EPA 3050B	1,6010B	AI
Barium, Total	14.2		mg/kg	0.482	0.092	1	06/02/10 18:30	06/07/10 10:39	EPA 3050B	1,6010B	AI
Beryllium, Total	0.183	J	mg/kg	0.241	0.030	1	06/02/10 18:30	06/07/10 10:39	EPA 3050B	1,6010B	AI
Cadmium, Total	ND		mg/kg	0.241	0.039	1	06/02/10 18:30	06/07/10 10:39	EPA 3050B	1,6010B	AI
Calcium, Total	640	J	mg/kg	4.8	1.4	1	06/02/10 18:30	06/07/10 10:39	EPA 3050B	1,6010B	AI
Chromium, Total	4.7		mg/kg	0.48	0.06	1	06/02/10 18:30	06/07/10 10:39	EPA 3050B	1,6010B	AI
Cobalt, Total	2.10		mg/kg	0.965	0.145	1	06/02/10 18:30	06/07/10 10:39	EPA 3050B	1,6010B	AI
Copper, Total	3.69		mg/kg	0.482	0.150	1	06/02/10 18:30	06/07/10 10:39	EPA 3050B	1,6010B	AI
Iron, Total	4400		mg/kg	2.4	0.80	1	06/02/10 18:30	06/07/10 10:39	EPA 3050B	1,6010B	AI
Lead, Total	2.10		mg/kg	0.482	0.092	1	06/02/10 18:30	06/07/10 10:39	EPA 3050B	1,6010B	AI
Magnesium, Total	900	J	mg/kg	4.8	1.9	1	06/02/10 18:30	06/07/10 10:39	EPA 3050B	1,6010B	AI
Manganese, Total	47.7		mg/kg	0.482	0.112	1	06/02/10 18:30	06/07/10 10:39	EPA 3050B	1,6010B	AI
Mercury, Total	ND		mg/kg	0.08	0.003	1	06/02/10 15:00	06/03/10 14:36	EPA 7471A	1,7471A	EZ
Nickel, Total	5.60		mg/kg	1.20	0.154	1	06/02/10 18:30	06/07/10 10:39	EPA 3050B	1,6010B	AI
Potassium, Total	690		mg/kg	120	43	1	06/02/10 18:30	06/07/10 10:39	EPA 3050B	1,6010B	AI
Selenium, Total	ND		mg/kg	0.482	0.169	1	06/02/10 18:30	06/07/10 10:39	EPA 3050B	1,6010B	AI
Silver, Total	ND		mg/kg	0.482	0.092	1	06/02/10 18:30	06/07/10 10:39	EPA 3050B	1,6010B	AI
Sodium, Total	48	J	mg/kg	96	27	1	06/02/10 18:30	06/07/10 10:39	EPA 3050B	1,6010B	AI
Thallium, Total	ND		mg/kg	0.965	0.262	1	06/02/10 18:30	06/07/10 10:39	EPA 3050B	1,6010B	AI
Vanadium, Total	5.33		mg/kg	0.482	0.058	1	06/02/10 18:30	06/07/10 10:39	EPA 3050B	1,6010B	AI
Zinc, Total	14.2		mg/kg	2.41	0.227	1	06/02/10 18:30	06/07/10 10:39	EPA 3050B	1,6010B	AI



Project Name: SHL TASK 0002

Lab Number: L1007633

Project Number: AC001

Report Date: 06/16/10

SAMPLE RESULTS

Lab ID: L1007633-02

Date Collected: 05/21/10 10:10

Client ID: SP-10-07-041

Date Received: 05/21/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5900		mg/kg	4.4	1.3	1	06/02/10 18:30	06/07/10 10:52	EPA 3050B	1,6010B	AI
Antimony, Total	0.469	J	mg/kg	2.19	0.346	1	06/02/10 18:30	06/07/10 10:52	EPA 3050B	1,6010B	AI
Arsenic, Total	12.2		mg/kg	0.219	0.088	1	06/02/10 18:30	06/07/10 10:52	EPA 3050B	1,6010B	AI
Barium, Total	19.3		mg/kg	0.438	0.083	1	06/02/10 18:30	06/07/10 10:52	EPA 3050B	1,6010B	AI
Beryllium, Total	0.298		mg/kg	0.219	0.027	1	06/02/10 18:30	06/07/10 10:52	EPA 3050B	1,6010B	AI
Cadmium, Total	0.0613	J	mg/kg	0.219	0.035	1	06/02/10 18:30	06/07/10 10:52	EPA 3050B	1,6010B	AI
Calcium, Total	1400		mg/kg	4.4	1.3	1	06/02/10 18:30	06/07/10 10:52	EPA 3050B	1,6010B	AI
Chromium, Total	15		mg/kg	0.44	0.06	1	06/02/10 18:30	06/07/10 10:52	EPA 3050B	1,6010B	AI
Cobalt, Total	4.15		mg/kg	0.876	0.131	1	06/02/10 18:30	06/07/10 10:52	EPA 3050B	1,6010B	AI
Copper, Total	9.80		mg/kg	0.438	0.136	1	06/02/10 18:30	06/07/10 10:52	EPA 3050B	1,6010B	AI
Iron, Total	9100		mg/kg	2.2	0.73	1	06/02/10 18:30	06/07/10 10:52	EPA 3050B	1,6010B	AI
Lead, Total	5.36		mg/kg	0.438	0.083	1	06/02/10 18:30	06/07/10 10:52	EPA 3050B	1,6010B	AI
Magnesium, Total	3100		mg/kg	4.4	1.7	1	06/02/10 18:30	06/07/10 10:52	EPA 3050B	1,6010B	AI
Manganese, Total	129		mg/kg	0.438	0.102	1	06/02/10 18:30	06/07/10 10:52	EPA 3050B	1,6010B	AI
Mercury, Total	ND		mg/kg	0.08	0.003	1	06/02/10 15:00	06/03/10 14:45	EPA 7471A	1,7471A	EZ
Nickel, Total	16.2		mg/kg	1.10	0.140	1	06/02/10 18:30	06/07/10 10:52	EPA 3050B	1,6010B	AI
Potassium, Total	1400		mg/kg	110	39	1	06/02/10 18:30	06/07/10 10:52	EPA 3050B	1,6010B	AI
Selenium, Total	0.175	J	mg/kg	0.438	0.153	1	06/02/10 18:30	06/07/10 10:52	EPA 3050B	1,6010B	AI
Silver, Total	ND		mg/kg	0.438	0.083	1	06/02/10 18:30	06/07/10 10:52	EPA 3050B	1,6010B	AI
Sodium, Total	120		mg/kg	88	24	1	06/02/10 18:30	06/07/10 10:52	EPA 3050B	1,6010B	AI
Thallium, Total	ND		mg/kg	0.876	0.238	1	06/02/10 18:30	06/07/10 10:52	EPA 3050B	1,6010B	AI
Vanadium, Total	10.1		mg/kg	0.438	0.053	1	06/02/10 18:30	06/07/10 10:52	EPA 3050B	1,6010B	AI
Zinc, Total	28.8		mg/kg	2.19	0.206	1	06/02/10 18:30	06/07/10 10:52	EPA 3050B	1,6010B	AI



Project Name: SHL TASK 0002

Lab Number: L1007633

Project Number: AC001

Report Date: 06/16/10

SAMPLE RESULTS

Lab ID: L1007633-03

Date Collected: 05/21/10 10:30

Client ID: SP-10-07-053

Date Received: 05/21/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 99%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	30000		mg/kg	40	12.	10	06/02/10 18:30	06/07/10 10:55	EPA 3050B	1,6010B	AI
Antimony, Total	ND		mg/kg	20.2	3.18	10	06/02/10 18:30	06/07/10 10:55	EPA 3050B	1,6010B	AI
Arsenic, Total	32.4		mg/kg	2.02	0.806	10	06/02/10 18:30	06/07/10 10:55	EPA 3050B	1,6010B	AI
Barium, Total	74.6		mg/kg	4.03	0.766	10	06/02/10 18:30	06/07/10 10:55	EPA 3050B	1,6010B	AI
Beryllium, Total	1.01	J	mg/kg	2.02	0.250	10	06/02/10 18:30	06/07/10 10:55	EPA 3050B	1,6010B	AI
Cadmium, Total	ND		mg/kg	2.02	0.322	10	06/02/10 18:30	06/07/10 10:55	EPA 3050B	1,6010B	AI
Calcium, Total	25000		mg/kg	40	12.	10	06/02/10 18:30	06/07/10 10:55	EPA 3050B	1,6010B	AI
Chromium, Total	68		mg/kg	4.0	0.52	10	06/02/10 18:30	06/07/10 10:55	EPA 3050B	1,6010B	AI
Cobalt, Total	21.2		mg/kg	8.06	1.21	10	06/02/10 18:30	06/07/10 10:55	EPA 3050B	1,6010B	AI
Copper, Total	29.6		mg/kg	4.03	1.25	10	06/02/10 18:30	06/07/10 10:55	EPA 3050B	1,6010B	AI
Iron, Total	41000		mg/kg	20	6.7	10	06/02/10 18:30	06/07/10 10:55	EPA 3050B	1,6010B	AI
Lead, Total	29.3		mg/kg	4.03	0.766	10	06/02/10 18:30	06/07/10 10:55	EPA 3050B	1,6010B	AI
Magnesium, Total	21000		mg/kg	40	16.	10	06/02/10 18:30	06/07/10 10:55	EPA 3050B	1,6010B	AI
Manganese, Total	740		mg/kg	4.03	0.935	10	06/02/10 18:30	06/07/10 10:55	EPA 3050B	1,6010B	AI
Mercury, Total	ND		mg/kg	0.07	0.002	1	06/02/10 15:00	06/03/10 14:47	EPA 7471A	1,7471A	EZ
Nickel, Total	101		mg/kg	10.1	1.29	10	06/02/10 18:30	06/07/10 10:55	EPA 3050B	1,6010B	AI
Potassium, Total	11000		mg/kg	1000	360	10	06/02/10 18:30	06/07/10 10:55	EPA 3050B	1,6010B	AI
Selenium, Total	1.45	J	mg/kg	4.03	1.41	10	06/02/10 18:30	06/07/10 10:55	EPA 3050B	1,6010B	AI
Silver, Total	ND		mg/kg	4.03	0.766	10	06/02/10 18:30	06/07/10 10:55	EPA 3050B	1,6010B	AI
Sodium, Total	510	J	mg/kg	810	220	10	06/02/10 18:30	06/07/10 10:55	EPA 3050B	1,6010B	AI
Thallium, Total	ND		mg/kg	8.06	2.19	10	06/02/10 18:30	06/07/10 10:55	EPA 3050B	1,6010B	AI
Vanadium, Total	49.0		mg/kg	4.03	0.484	10	06/02/10 18:30	06/07/10 10:55	EPA 3050B	1,6010B	AI
Zinc, Total	109		mg/kg	20.2	1.89	10	06/02/10 18:30	06/07/10 10:55	EPA 3050B	1,6010B	AI



Project Name: SHL TASK 0002

Lab Number: L1007633

Project Number: AC001

Report Date: 06/16/10

SAMPLE RESULTS

Lab ID: L1007633-04

Date Collected: 05/21/10 09:30

Client ID: SDUP-052110

Date Received: 05/21/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	2500		mg/kg	4.5	1.3	1	06/02/10 18:30	06/07/10 10:58	EPA 3050B	1,6010B	AI
Antimony, Total	ND		mg/kg	2.26	0.357	1	06/02/10 18:30	06/07/10 10:58	EPA 3050B	1,6010B	AI
Arsenic, Total	5.15		mg/kg	0.226	0.091	1	06/02/10 18:30	06/07/10 10:58	EPA 3050B	1,6010B	AI
Barium, Total	12.0		mg/kg	0.452	0.086	1	06/02/10 18:30	06/07/10 10:58	EPA 3050B	1,6010B	AI
Beryllium, Total	0.172	J	mg/kg	0.226	0.028	1	06/02/10 18:30	06/07/10 10:58	EPA 3050B	1,6010B	AI
Cadmium, Total	ND		mg/kg	0.226	0.036	1	06/02/10 18:30	06/07/10 10:58	EPA 3050B	1,6010B	AI
Calcium, Total	700		mg/kg	4.5	1.3	1	06/02/10 18:30	06/07/10 10:58	EPA 3050B	1,6010B	AI
Chromium, Total	4.0		mg/kg	0.45	0.06	1	06/02/10 18:30	06/07/10 10:58	EPA 3050B	1,6010B	AI
Cobalt, Total	1.92		mg/kg	0.905	0.136	1	06/02/10 18:30	06/07/10 10:58	EPA 3050B	1,6010B	AI
Copper, Total	3.60		mg/kg	0.452	0.140	1	06/02/10 18:30	06/07/10 10:58	EPA 3050B	1,6010B	AI
Iron, Total	4000		mg/kg	2.3	0.75	1	06/02/10 18:30	06/07/10 10:58	EPA 3050B	1,6010B	AI
Lead, Total	2.22		mg/kg	0.452	0.086	1	06/02/10 18:30	06/07/10 10:58	EPA 3050B	1,6010B	AI
Magnesium, Total	750		mg/kg	4.5	1.7	1	06/02/10 18:30	06/07/10 10:58	EPA 3050B	1,6010B	AI
Manganese, Total	42.3		mg/kg	0.452	0.105	1	06/02/10 18:30	06/07/10 10:58	EPA 3050B	1,6010B	AI
Mercury, Total	ND		mg/kg	0.09	0.003	1	06/02/10 15:00	06/03/10 14:49	EPA 7471A	1,7471A	EZ
Nickel, Total	5.11		mg/kg	1.13	0.145	1	06/02/10 18:30	06/07/10 10:58	EPA 3050B	1,6010B	AI
Potassium, Total	570		mg/kg	110	40	1	06/02/10 18:30	06/07/10 10:58	EPA 3050B	1,6010B	AI
Selenium, Total	ND		mg/kg	0.452	0.158	1	06/02/10 18:30	06/07/10 10:58	EPA 3050B	1,6010B	AI
Silver, Total	ND		mg/kg	0.452	0.086	1	06/02/10 18:30	06/07/10 10:58	EPA 3050B	1,6010B	AI
Sodium, Total	45	J	mg/kg	90	25	1	06/02/10 18:30	06/07/10 10:58	EPA 3050B	1,6010B	AI
Thallium, Total	ND		mg/kg	0.905	0.246	1	06/02/10 18:30	06/07/10 10:58	EPA 3050B	1,6010B	AI
Vanadium, Total	4.57		mg/kg	0.452	0.054	1	06/02/10 18:30	06/07/10 10:58	EPA 3050B	1,6010B	AI
Zinc, Total	13.6		mg/kg	2.26	0.212	1	06/02/10 18:30	06/07/10 10:58	EPA 3050B	1,6010B	AI

Project Name: SHL TASK 0002

Lab Number: L1007633

Project Number: AC001

Report Date: 06/16/10

SAMPLE RESULTS

Lab ID: L1007633-05

Date Collected: 05/21/10 11:25

Client ID: RB-052110-0

Date Received: 05/21/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		ug/l	100	30.	1	06/01/10 15:50	06/07/10 09:57	EPA 3005A	1,6010B	AI
Antimony, Total	ND		ug/l	50.0	7.90	1	06/01/10 15:50	06/07/10 09:57	EPA 3005A	1,6010B	AI
Arsenic, Total	ND		ug/l	5.00	2.00	1	06/01/10 15:50	06/07/10 09:57	EPA 3005A	1,6010B	AI
Barium, Total	ND		ug/l	10.0	1.90	1	06/01/10 15:50	06/07/10 09:57	EPA 3005A	1,6010B	AI
Beryllium, Total	ND		ug/l	5.00	0.620	1	06/01/10 15:50	06/07/10 09:57	EPA 3005A	1,6010B	AI
Cadmium, Total	ND		ug/l	5.00	0.800	1	06/01/10 15:50	06/07/10 09:57	EPA 3005A	1,6010B	AI
Calcium, Total	35	J	ug/l	100	29.	1	06/01/10 15:50	06/07/10 09:57	EPA 3005A	1,6010B	AI
Chromium, Total	ND		ug/l	10	1.3	1	06/01/10 15:50	06/07/10 09:57	EPA 3005A	1,6010B	AI
Cobalt, Total	ND		ug/l	20.0	3.00	1	06/01/10 15:50	06/07/10 09:57	EPA 3005A	1,6010B	AI
Copper, Total	ND		ug/l	10.0	3.10	1	06/01/10 15:50	06/07/10 09:57	EPA 3005A	1,6010B	AI
Iron, Total	ND		ug/l	50.	17.	1	06/01/10 15:50	06/07/10 09:57	EPA 3005A	1,6010B	AI
Lead, Total	ND		ug/l	10.0	1.90	1	06/01/10 15:50	06/07/10 09:57	EPA 3005A	1,6010B	AI
Magnesium, Total	ND		ug/l	100	39.	1	06/01/10 15:50	06/07/10 09:57	EPA 3005A	1,6010B	AI
Manganese, Total	ND		ug/l	10.0	2.32	1	06/01/10 15:50	06/07/10 09:57	EPA 3005A	1,6010B	AI
Mercury, Total	ND		ug/l	0.2000	0.0120	1	06/02/10 17:55	06/03/10 12:23	EPA 7470A	1,7470A	EZ
Nickel, Total	ND		ug/l	25.0	3.20	1	06/01/10 15:50	06/07/10 09:57	EPA 3005A	1,6010B	AI
Potassium, Total	ND		ug/l	2500	880	1	06/01/10 15:50	06/07/10 09:57	EPA 3005A	1,6010B	AI
Selenium, Total	ND		ug/l	10.0	3.50	1	06/01/10 15:50	06/07/10 09:57	EPA 3005A	1,6010B	AI
Silver, Total	ND		ug/l	7.00	1.90	1	06/01/10 15:50	06/07/10 09:57	EPA 3005A	1,6010B	AI
Sodium, Total	ND		ug/l	2000	550	1	06/01/10 15:50	06/07/10 09:57	EPA 3005A	1,6010B	AI
Thallium, Total	ND		ug/l	20.0	5.43	1	06/01/10 15:50	06/07/10 09:57	EPA 3005A	1,6010B	AI
Vanadium, Total	ND		ug/l	10.0	1.20	1	06/01/10 15:50	06/07/10 09:57	EPA 3005A	1,6010B	AI
Zinc, Total	ND		ug/l	50.0	4.70	1	06/01/10 15:50	06/07/10 09:57	EPA 3005A	1,6010B	AI

Project Name: SHL TASK 0002

Lab Number: L1007633

Project Number: AC001

Report Date: 06/16/10

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 05 Batch: WG415504-1										
Aluminum, Total	ND		ug/l	100	30.	1	06/01/10 15:50	06/07/10 09:51	1,6010B	AI
Antimony, Total	ND		ug/l	50.0	7.90	1	06/01/10 15:50	06/07/10 09:51	1,6010B	AI
Arsenic, Total	ND		ug/l	5.00	2.00	1	06/01/10 15:50	06/07/10 09:51	1,6010B	AI
Barium, Total	ND		ug/l	10.0	1.90	1	06/01/10 15:50	06/07/10 09:51	1,6010B	AI
Beryllium, Total	ND		ug/l	5.00	0.620	1	06/01/10 15:50	06/07/10 09:51	1,6010B	AI
Cadmium, Total	ND		ug/l	5.00	0.800	1	06/01/10 15:50	06/07/10 09:51	1,6010B	AI
Calcium, Total	ND		ug/l	100	29.	1	06/01/10 15:50	06/07/10 09:51	1,6010B	AI
Chromium, Total	ND		ug/l	10	1.3	1	06/01/10 15:50	06/07/10 09:51	1,6010B	AI
Cobalt, Total	ND		ug/l	20.0	3.00	1	06/01/10 15:50	06/07/10 09:51	1,6010B	AI
Copper, Total	ND		ug/l	10.0	3.10	1	06/01/10 15:50	06/07/10 09:51	1,6010B	AI
Iron, Total	ND		ug/l	50	17.	1	06/01/10 15:50	06/07/10 09:51	1,6010B	AI
Lead, Total	ND		ug/l	10.0	1.90	1	06/01/10 15:50	06/07/10 09:51	1,6010B	AI
Magnesium, Total	ND		ug/l	100	39.	1	06/01/10 15:50	06/07/10 09:51	1,6010B	AI
Manganese, Total	ND		ug/l	10.0	2.32	1	06/01/10 15:50	06/07/10 09:51	1,6010B	AI
Nickel, Total	ND		ug/l	25.0	3.20	1	06/01/10 15:50	06/07/10 09:51	1,6010B	AI
Potassium, Total	ND		ug/l	2500	880	1	06/01/10 15:50	06/07/10 09:51	1,6010B	AI
Selenium, Total	ND		ug/l	10.0	3.50	1	06/01/10 15:50	06/07/10 09:51	1,6010B	AI
Silver, Total	ND		ug/l	7.00	1.90	1	06/01/10 15:50	06/07/10 09:51	1,6010B	AI
Sodium, Total	ND		ug/l	2000	550	1	06/01/10 15:50	06/07/10 09:51	1,6010B	AI
Thallium, Total	ND		ug/l	20.0	5.43	1	06/01/10 15:50	06/07/10 09:51	1,6010B	AI
Vanadium, Total	ND		ug/l	10.0	1.20	1	06/01/10 15:50	06/07/10 09:51	1,6010B	AI
Zinc, Total	10.3	J	ug/l	50.0	4.70	1	06/01/10 15:50	06/07/10 09:51	1,6010B	AI

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-04 Batch: WG415741-1										
Aluminum, Total	ND		mg/kg	4.0	1.2	1	06/02/10 18:30	06/07/10 10:33	1,6010B	AI
Antimony, Total	ND		mg/kg	2.00	0.316	1	06/02/10 18:30	06/07/10 10:33	1,6010B	AI
Arsenic, Total	ND		mg/kg	0.200	0.080	1	06/02/10 18:30	06/07/10 10:33	1,6010B	AI
Barium, Total	ND		mg/kg	0.400	0.076	1	06/02/10 18:30	06/07/10 10:33	1,6010B	AI

Project Name: SHL TASK 0002

Lab Number: L1007633

Project Number: AC001

Report Date: 06/16/10

Method Blank Analysis Batch Quality Control

Beryllium, Total	ND		mg/kg	0.200	0.025	1	06/02/10 18:30	06/07/10 10:33	1,6010B	AI
Cadmium, Total	ND		mg/kg	0.200	0.032	1	06/02/10 18:30	06/07/10 10:33	1,6010B	AI
Calcium, Total	ND		mg/kg	4.0	1.2	1	06/02/10 18:30	06/07/10 10:33	1,6010B	AI
Chromium, Total	ND		mg/kg	0.40	0.05	1	06/02/10 18:30	06/07/10 10:33	1,6010B	AI
Cobalt, Total	ND		mg/kg	0.800	0.120	1	06/02/10 18:30	06/07/10 10:33	1,6010B	AI
Copper, Total	ND		mg/kg	0.400	0.124	1	06/02/10 18:30	06/07/10 10:33	1,6010B	AI
Iron, Total	ND		mg/kg	2.0	0.66	1	06/02/10 18:30	06/07/10 10:33	1,6010B	AI
Lead, Total	0.076	J	mg/kg	0.400	0.076	1	06/02/10 18:30	06/07/10 10:33	1,6010B	AI
Magnesium, Total	ND		mg/kg	4.0	1.5	1	06/02/10 18:30	06/07/10 10:33	1,6010B	AI
Manganese, Total	ND		mg/kg	0.400	0.093	1	06/02/10 18:30	06/07/10 10:33	1,6010B	AI
Nickel, Total	ND		mg/kg	1.00	0.128	1	06/02/10 18:30	06/07/10 10:33	1,6010B	AI
Potassium, Total	ND		mg/kg	100	35.	1	06/02/10 18:30	06/07/10 10:33	1,6010B	AI
Selenium, Total	ND		mg/kg	0.400	0.140	1	06/02/10 18:30	06/07/10 10:33	1,6010B	AI
Silver, Total	ND		mg/kg	0.400	0.076	1	06/02/10 18:30	06/07/10 10:33	1,6010B	AI
Sodium, Total	ND		mg/kg	80	22.	1	06/02/10 18:30	06/07/10 10:33	1,6010B	AI
Thallium, Total	ND		mg/kg	0.800	0.217	1	06/02/10 18:30	06/07/10 10:33	1,6010B	AI
Vanadium, Total	ND		mg/kg	0.400	0.048	1	06/02/10 18:30	06/07/10 10:33	1,6010B	AI
Zinc, Total	ND		mg/kg	2.00	0.188	1	06/02/10 18:30	06/07/10 10:33	1,6010B	AI

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-04 Batch: WG415810-1										
Mercury, Total	ND		mg/kg	0.08	0.003	1	06/02/10 15:00	06/03/10 14:33	1,7471A	EZ

Prep Information

Digestion Method: EPA 7471A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 05 Batch: WG415822-1										
Mercury, Total	ND		ug/l	0.2000	0.0120	1	06/02/10 17:55	06/03/10 12:19	1,7470A	EZ

Project Name: SHL TASK 0002

Lab Number: L1007633

Project Number: AC001

Report Date: 06/16/10

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1007633

Report Date: 06/16/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 05 Batch: WG415504-2								
Aluminum, Total	90		-		80-120	-		
Antimony, Total	101		-		80-120	-		
Arsenic, Total	106		-		80-120	-		
Barium, Total	94		-		80-120	-		
Beryllium, Total	97		-		80-120	-		
Cadmium, Total	107		-		80-120	-		
Calcium, Total	92		-		80-120	-		
Chromium, Total	95		-		80-120	-		
Cobalt, Total	96		-		80-120	-		
Copper, Total	95		-		80-120	-		
Iron, Total	92		-		80-120	-		
Lead, Total	100		-		80-120	-		
Magnesium, Total	95		-		80-120	-		
Manganese, Total	94		-		80-120	-		
Nickel, Total	96		-		80-120	-		
Potassium, Total	96		-		80-120	-		
Selenium, Total	109		-		80-120	-		
Silver, Total	94		-		80-120	-		
Sodium, Total	96		-		80-120	-		
Thallium, Total	102		-		80-120	-		
Vanadium, Total	95		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1007633

Report Date: 06/16/10

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 05 Batch: WG415504-2					
Zinc, Total	98		80-120	-	

Lab Control Sample Analysis Batch Quality Control

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1007633

Report Date: 06/16/10

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG415741-2					
Aluminum, Total	96	-	80-120	-	
Antimony, Total	98	-	80-120	-	
Arsenic, Total	102	-	80-120	-	
Barium, Total	100	-	80-120	-	
Beryllium, Total	102	-	80-120	-	
Cadmium, Total	105	-	80-120	-	
Calcium, Total	96	-	80-120	-	
Chromium, Total	94	-	80-120	-	
Cobalt, Total	96	-	80-120	-	
Copper, Total	98	-	80-120	-	
Iron, Total	106	-	80-120	-	
Lead, Total	99	-	80-120	-	
Magnesium, Total	90	-	80-120	-	
Manganese, Total	99	-	80-120	-	
Nickel, Total	95	-	80-120	-	
Potassium, Total	98	-	80-120	-	
Selenium, Total	102	-	80-120	-	
Silver, Total	102	-	80-120	-	
Sodium, Total	101	-	80-120	-	
Thallium, Total	96	-	80-120	-	
Vanadium, Total	97	-	80-120	-	

Lab Control Sample Analysis Batch Quality Control

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1007633

Report Date: 06/16/10

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG415741-2					
Zinc, Total	95	-	80-120	-	
Total Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG415810-2					
Mercury, Total	107	-	80-120	-	20
Total Metals - Westborough Lab Associated sample(s): 05 Batch: WG415822-2					
Mercury, Total	104	-	80-120	-	20

Matrix Spike Analysis Batch Quality Control

Project Name: SHL TASK 0002

Lab Number: L1007633

Project Number: AC001

Report Date: 06/16/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 05 QC Batch ID: WG415504-4 QC Sample: L1007633-05 Client ID: RB-052110-0												
Aluminum, Total	ND	2000	1900	95	-	-	-	-	80-120	-	-	20
Antimony, Total	ND	500	516	103	-	-	-	-	80-120	-	-	20
Arsenic, Total	ND	120	129	108	-	-	-	-	80-120	-	-	20
Barium, Total	ND	2000	1930	96	-	-	-	-	80-120	-	-	20
Beryllium, Total	ND	50	49.7	99	-	-	-	-	80-120	-	-	20
Cadmium, Total	ND	51	56.0	110	-	-	-	-	80-120	-	-	20
Calcium, Total	ND	10000	9500	95	-	-	-	-	80-120	-	-	20
Chromium, Total	ND	200	190	95	-	-	-	-	80-120	-	-	20
Cobalt, Total	ND	500	493	99	-	-	-	-	80-120	-	-	20
Copper, Total	ND	250	242	97	-	-	-	-	80-120	-	-	20
Iron, Total	ND	1000	950	95	-	-	-	-	80-120	-	-	20
Lead, Total	ND	510	527	103	-	-	-	-	80-120	-	-	20
Magnesium, Total	ND	10000	9700	97	-	-	-	-	80-120	-	-	20
Manganese, Total	ND	500	484	97	-	-	-	-	80-120	-	-	20
Nickel, Total	ND	500	490	98	-	-	-	-	80-120	-	-	20
Potassium, Total	ND	10000	9800	98	-	-	-	-	80-120	-	-	20
Selenium, Total	ND	120	133	111	-	-	-	-	80-120	-	-	20
Silver, Total	ND	50	47.7	95	-	-	-	-	80-120	-	-	20
Sodium, Total	ND	10000	9800	98	-	-	-	-	80-120	-	-	20
Thallium, Total	ND	120	122	102	-	-	-	-	80-120	-	-	20
Vanadium, Total	ND	500	488	98	-	-	-	-	80-120	-	-	20

Matrix Spike Analysis
Batch Quality Control**Project Name:** SHL TASK 0002**Project Number:** AC001**Lab Number:** L1007633**Report Date:** 06/16/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 05 QC Batch ID: WG415504-4 QC Sample: L1007633-05 Client ID: RB-052110-0									
Zinc, Total	ND	500	504	101	-	-	80-120	-	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1007633

Report Date: 06/16/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG415741-3 WG415741-4 QC Sample: L1007633-01 Client ID: SP-10-07-029									
Aluminum, Total	2800	96.3	2900	104	2900	106	80-120	2	20
Antimony, Total	ND	24.1	18.5	77	Q 18.2	77	Q 80-120	0	20
Arsenic, Total	5.61	5.78	11.8	107	11.6	105	80-120	2	20
Barium, Total	14.2	96.3	105	94	105	96	80-120	2	20
Beryllium, Total	ND	2.41	2.50	104	2.52	106	80-120	2	20
Cadmium, Total	ND	2.46	2.52	103	2.50	104	80-120	1	20
Calcium, Total	640	482	1100	96	1200	118	80-120	21	Q 20
Chromium, Total	4.7	9.63	14	96	13	88	80-120	9	20
Cobalt, Total	2.10	24.1	24.5	93	24.3	94	80-120	1	20
Copper, Total	3.69	12	15.2	96	15.1	96	80-120	0	20
Iron, Total	4400	48.2	4400	0	Q 4300	0	Q 80-120	NC	20
Lead, Total	2.10	24.6	25.2	94	24.9	94	80-120	0	20
Magnesium, Total	900	482	1300	83	1200	63	Q 80-120	27	Q 20
Manganese, Total	47.7	24.1	69.0	88	69.6	92	80-120	4	20
Nickel, Total	5.60	24.1	27.5	91	27.3	92	80-120	1	20
Potassium, Total	690	482	1100	85	1100	86	80-120	1	20
Selenium, Total	ND	5.78	5.75	100	5.69	100	80-120	0	20
Silver, Total	ND	14.4	14.6	101	14.3	101	80-120	0	20
Sodium, Total	ND	482	510	106	510	108	80-120	2	20
Thallium, Total	ND	5.78	4.97	86	4.85	85	80-120	1	20
Vanadium, Total	5.33	24.1	28.2	95	27.4	93	80-120	2	20

Matrix Spike Analysis Batch Quality Control

Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1007633
Report Date: 06/16/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG415741-3 WG415741-4 QC Sample: L1007633-01 Client ID: SP-10-07-029									
Zinc, Total	14.2	24.1	35.9	90	36.4	94	80-120	4	20
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG415810-3 WG415810-4 QC Sample: L1007633-01 Client ID: SP-10-07-029									
Mercury, Total	ND	0.17	0.18	106	0.22	112	80-120	6	20
Total Metals - Westborough Lab Associated sample(s): 05 QC Batch ID: WG415822-4 QC Sample: L1007633-05 Client ID: RB-052110-0									
Mercury, Total	ND	1	1.084	108	-	-	80-120	-	20

Project Name: SHL TASK 0002

Project Number: AC001

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L1007633

Report Date: 06/16/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 05 QC Batch ID: WG415504-3 QC Sample: L1007633-05 Client ID: RB-052110-0						
Aluminum, Total	ND	ND	ug/l	NC		20
Antimony, Total	ND	ND	ug/l	NC		20
Arsenic, Total	ND	ND	ug/l	NC		20
Barium, Total	ND	ND	ug/l	NC		20
Beryllium, Total	ND	ND	ug/l	NC		20
Cadmium, Total	ND	ND	ug/l	NC		20
Calcium, Total	35J	ND	ug/l	NC		20
Chromium, Total	ND	ND	ug/l	NC		20
Cobalt, Total	ND	ND	ug/l	NC		20
Copper, Total	ND	ND	ug/l	NC		20
Iron, Total	ND	ND	ug/l	NC		20
Lead, Total	ND	ND	ug/l	NC		20
Magnesium, Total	ND	ND	ug/l	NC		20
Manganese, Total	ND	ND	ug/l	NC		20
Nickel, Total	ND	ND	ug/l	NC		20
Potassium, Total	ND	ND	ug/l	NC		20
Selenium, Total	ND	ND	ug/l	NC		20
Silver, Total	ND	ND	ug/l	NC		20
Sodium, Total	ND	ND	ug/l	NC		20

Project Name: SHL TASK 0002
Project Number: AC001

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L1007633
Report Date: 06/16/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 05 QC Batch ID: WG415504-3 QC Sample: L1007633-05 Client ID: RB-052110-0					
Thallium, Total	ND	ND	ug/l	NC	20
Vanadium, Total	ND	ND	ug/l	NC	20
Zinc, Total	ND	ND	ug/l	NC	20
Total Metals - Westborough Lab Associated sample(s): 05 QC Batch ID: WG415822-3 QC Sample: L1007633-05 Client ID: RB-052110-0					
Mercury, Total	ND	ND	ug/l	NC	20

INORGANICS & MISCELLANEOUS

Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1007633
Report Date: 06/16/10

SAMPLE RESULTS

Lab ID: L1007633-01
Client ID: SP-10-07-029
Sample Location: DEVENS, MA
Matrix: Soil

Date Collected: 05/21/10 09:30
Date Received: 05/21/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	0.010		%	0.010	0.010	1	-	05/27/10 09:00	1,9060	NR
Total Organic Carbon (Rep2)	0.011		%	0.010	0.010	1	-	05/27/10 09:00	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	83		%	0.10	NA	1	-	05/28/10 09:20	30,2540G	TL

Project Name: SHL TASK 0002

Lab Number: L1007633

Project Number: AC001

Report Date: 06/16/10

SAMPLE RESULTS

Lab ID: L1007633-02

Date Collected: 05/21/10 10:10

Client ID: SP-10-07-041

Date Received: 05/21/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	0.012		%	0.010	0.010	1	-	05/27/10 09:00	1,9060	NR
Total Organic Carbon (Rep2)	0.020		%	0.010	0.010	1	-	05/27/10 09:00	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	91		%	0.10	NA	1	-	05/28/10 09:20	30,2540G	TL

Project Name: SHL TASK 0002

Lab Number: L1007633

Project Number: AC001

Report Date: 06/16/10

SAMPLE RESULTS

Lab ID: L1007633-03

Date Collected: 05/21/10 10:30

Client ID: SP-10-07-053

Date Received: 05/21/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	0.032		%	0.010	0.010	1	-	05/27/10 09:00	1,9060	NR
Total Organic Carbon (Rep2)	0.032		%	0.010	0.010	1	-	05/27/10 09:00	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	99		%	0.10	NA	1	-	05/28/10 09:20	30,2540G	TL

Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1007633
Report Date: 06/16/10

SAMPLE RESULTS

Lab ID: L1007633-04
Client ID: SDUP-052110
Sample Location: DEVENS, MA
Matrix: Soil

Date Collected: 05/21/10 09:30
Date Received: 05/21/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	0.012		%	0.010	0.010	1	-	05/27/10 09:00	1,9060	NR
Total Organic Carbon (Rep2)	ND		%	0.010	0.010	1	-	05/27/10 09:00	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	84		%	0.10	NA	1	-	05/28/10 09:20	30,2540G	TL

Project Name: SHL TASK 0002

Lab Number: L1007633

Project Number: AC001

Report Date: 06/16/10

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab for sample(s): 01-04 Batch: WG414817-1										
Total Organic Carbon (Rep1)	ND		%	0.010	0.010	1	-	05/27/10 09:00	1,9060	NR
Total Organic Carbon (Rep2)	ND		%	0.010	0.010	1	-	05/27/10 09:00	1,9060	NR

Matrix Spike Analysis **Batch Quality Control**

Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1007633
Report Date: 06/16/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Organic Carbon - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG414817-4 QC Sample: L1007633-01 Client ID: SP-10-07-029												
Total Organic Carbon (Rep1)	0.010	0.66	0.647	96		-	-		75-125	-		25
Total Organic Carbon (Rep2)	0.011	0.51	0.513	99		-	-		75-125	-		25

Project Name: SHL TASK 0002

Project Number: AC001

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1007633

Report Date: 06/16/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Organic Carbon - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG414817-3 QC Sample: L1007633-01 Client ID: SP-10-07-029						
Total Organic Carbon (Rep1)	0.010	0.011	%	10		25
Total Organic Carbon (Rep2)	0.011	0.012	%	9		25
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG415070-1 QC Sample: L1007633-01 Client ID: SP-10-07-029						
Solids, Total	83	83	%	0		20

Project Name: SHL TASK 0002

Lab Number: L1007633

Project Number: AC001

Report Date: 06/16/10

S.R.M. Standard Quality Control

Standard Reference Material (SRM): WG414817-2

Parameter	% Recovery	Qual	QC Criteria
Total Organic Carbon (Rep1)	113		75-125
Total Organic Carbon (Rep2)	96		75-125

Project Name: SHL TASK 0002

Lab Number: L1007633

Project Number: AC001

Report Date: 06/16/10

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

A Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1007633-01A	Amber 250ml unpreserved	A	N/A	3	Y	Present/Intact	BE-TI(180),DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),AS-TI(180),BA-TI(180),DOD-AG-6010T(180),DOD-K-6010T(180),AG-TI(180),DOD-BA-6010T(180),DOD-CU-6010T(180),AL-TI(180),CR-TI(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),DOD-SE-6010T(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),V-TI(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),MS/MSD(),CA-TI(180),CD-TI(180),DOD-BE-6010T(180),DOD-CR-6010T(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1007633

Report Date: 06/16/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1007633-01B	Amber 250ml unpreserved	A	N/A	3	Y	Present/Intact	BE-TI(180),DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),AS-TI(180),BA-TI(180),DOD-AG-6010T(180),DOD-K-6010T(180),AG-TI(180),DOD-BA-6010T(180),DOD-CU-6010T(180),AL-TI(180),CR-TI(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),DOD-SE-6010T(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),V-TI(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),MS/MSD(),CA-TI(180),CD-TI(180),DOD-BE-6010T(180),DOD-CR-6010T(180),K-TI(180),NA-TI(180)
L1007633-01C	Amber 250ml unpreserved	A	N/A	3	Y	Present/Intact	A2-IOC-9060-2REPS(28)
L1007633-01D	Amber 250ml unpreserved	A	N/A	3	Y	Present/Intact	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Lab Number: L1007633

Project Number: AC001

Report Date: 06/16/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1007633-02A	Amber 250ml unpreserved	A	N/A	3	Y	Present/Intact	BE-TI(180),DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),AS-TI(180),BA-TI(180),DOD-AG-6010T(180),DOD-K-6010T(180),AG-TI(180),DOD-BA-6010T(180),DOD-CU-6010T(180),AL-TI(180),CR-TI(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),DOD-SE-6010T(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),V-TI(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),DOD-BE-6010T(180),DOD-CR-6010T(180),K-TI(180),NA-TI(180)
L1007633-02B	Amber 250ml unpreserved	A	N/A	3	Y	Present/Intact	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days



Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1007633

Report Date: 06/16/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1007633-03A	Amber 250ml unpreserved	A	N/A	3	Y	Present/Intact	BE-TI(180),DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),AS-TI(180),BA-TI(180),DOD-AG-6010T(180),DOD-K-6010T(180),AG-TI(180),DOD-BA-6010T(180),DOD-CU-6010T(180),AL-TI(180),CR-TI(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),DOD-SE-6010T(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),V-TI(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),DOD-BE-6010T(180),DOD-CR-6010T(180),K-TI(180),NA-TI(180)
L1007633-03B	Amber 250ml unpreserved	A	N/A	3	Y	Present/Intact	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days



Project Name: SHL TASK 0002

Lab Number: L1007633

Project Number: AC001

Report Date: 06/16/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1007633-04A	Amber 250ml unpreserved	A	N/A	3	Y	Present/Intact	BE-TI(180),DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),AS-TI(180),BA-TI(180),DOD-AG-6010T(180),DOD-K-6010T(180),AG-TI(180),DOD-BA-6010T(180),DOD-CU-6010T(180),AL-TI(180),CR-TI(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),DOD-SE-6010T(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),V-TI(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),DOD-BE-6010T(180),DOD-CR-6010T(180),K-TI(180),NA-TI(180)
L1007633-04B	Amber 250ml unpreserved	A	N/A	3	Y	Present/Intact	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Lab Number: L1007633

Project Number: AC001

Report Date: 06/16/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1007633-05A	Plastic 250ml HNO3 preserved	A	<2	3	Y	Present/Intact	BE-Ti(180),DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),AS-Ti(180),BA-Ti(180),DOD-AG-6010T(180),DOD-K-6010T(180),AG-Ti(180),DOD-BA-6010T(180),DOD-CU-6010T(180),AL-Ti(180),CR-Ti(180),DOD-CD-6010T(180),DOD-HG-7470T(28),DOD-NA-6010T(180),DOD-TL-6010T(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),DOD-SE-6010T(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),V-Ti(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),DOD-BE-6010T(180),DOD-CR-6010T(180),K-Ti(180),NA-Ti(180)

Container Comments

L1007633-05A

*Values in parentheses indicate holding time in days



Project Name: SHL TASK 0002

Lab Number: L1007633

Project Number: AC001

Report Date: 06/16/10

GLOSSARY

Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1.8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
Q	- The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.

Report Format: DU Report with "J" Qualifiers

Project Name: SHL TASK 0002

Lab Number: L1007633

Project Number: AC001

Report Date: 06/16/10

Data Qualifiers

- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL). This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample.

Report Format: DU Report with "J" Qualifiers



Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1007633
Report Date: 06/16/10

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

The analyses performed on the sample(s) within this report are in accordance with the minimum established guidelines set forth in the Department of Defense Quality Systems Manual, Version 4.1, issued April 22, 2009

LIMITATION OF LIABILITIES

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

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



Certificate/Approval Program Summary

Last revised May 19, 2010 - Westboro Facility

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

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

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. *Organic Parameters:* Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)

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

Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. *Organic Parameters:* PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3,3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.

Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1. *Organic Parameters:* 504.1, 524.2, SM 6251B)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. *Organic Parameters:* 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.*Drinking Water*

Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)

(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)

353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B; SM4500Cl-D; 2320B; SM2540C, SM4500H-B.

Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)

(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.

Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D

Non-Potable Water

Inorganic Parameters: (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)

(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)

245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)

(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO₃-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. *Organic Parameters:* 504.1, 524.2, SM6251B.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH₃-H, 4500NH₃-E, 4500NO₂-B, 4500P-E, 4500-S₂-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. *Organic Parameters:* SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. *Organic Parameters:* SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO₃-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. *Organic Parameters:* 504.1, SM6251B, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO₃-F, 4500NO₂-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH₃-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. *Organic Parameters:* SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. *Organic Parameters:* SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO₃-F, 2540C, EPA 120.1, SM 2510B. *Organic Parameters:* EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH₃-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO₃-F, 4500-NO₂-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. *Organic Parameters:* EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)

Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. *Organic Parameters:* EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID: 666. Organic Parameters: MA-EPH, MA-VPH.**Pennsylvania Department of Environmental Protection Certificate/Lab ID: 68-03671. NELAP Accredited.**

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

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. *Organic Parameters:* 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. NELAP Accredited via NY-DOH.

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Texas Commission on Environmental Quality Certificate/Lab ID: T104704476-09-1. NELAP Accredited.

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

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

Department of Defense Certificate/Lab ID: L2217.

Drinking Water (Inorganic Parameters: SM 4500H-B. **Organic Parameters:** EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A, 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. **Organic Parameters:** EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, **Organic Parameters:** EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methyl naphthalenes, Total Dimethyl naphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

Certificate/Approval Program Summary

Last revised June 1, 2010 – Mansfield Facility

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

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: SM2320B, EPA 120.1, SM2510B, EPA 245.1, EPA 150.1, EPA 160.2, SM2540D, EPA 335.2, SM2540G, EPA 180.1. Organic Parameters: EPA 625, 608.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045, 9014. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: EPA 120.1, 150.1, 160.2, 180.1, 200.8, 245.1, 310.1, 335.2, 608, 625, 1631, 3010, 3015, 3020, 6020, 9010, 9014, 9040, SM2320B, 2510B, 2540D, 2540G, 4500CN-E, 4500H-B. Organic Parameters: EPA 3510, 3580, 3630, 3640, 3660, 3665, 5030, 8015 (mod), 3570, 8081, 8082, 8260, 8270,)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7196, 7470, 7471, 7474, 9010, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015 (mod), EPA 3570, 1311, 3050, 3051, 3060, 3580, 3630, 3640, 3660, 3665, 5035, 8081, 8082, 8260, 8270.)

Biological Tissue (Inorganic Parameters: EPA 6020. Organic Parameters: EPA 3570, 3510, 3610, 3630, 3640, 8270.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA030.

Non-Potable Water (Inorganic Parameters: SM4500H+B. Organic Parameters: EPA 624.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: EPA 200.8, 245.1, 1631E, 120.1, 150.1, 180.1, 310.1, 335.2, 160.2, SM2540D, 2540G, 4500CN-E, 4500H+B, 2320B, 2510B. Organic Parameters: EPA 625, 608.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, 3015, 6020, SM2320B, EPA 200.8, SM2540C, 2540D, 2540G, EPA 120.1, SM2510B, EPA 180.1, 245.1, 1631E, SW-846 9040B, 6020, 9010B, 9014 Organic Parameters: EPA 608, 625, SW-846 3510C, 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 9010B, 9014, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 9045C, 9060. Organic Parameters: SW-846 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 3570, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610B, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: EPA 310.1, SM2320B, EPA 365.2, 160.1, EPA 160.2, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 335.2, 9014, 150.1, 9040B, 120.1, SM2510B, EPA 376.2, 180.1, 9010B. Organic Parameters: EPA 624, 8260B, 8270C, 608, 8081A, 625, 8082, 3510C, 3511, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, SW-846 Ch7 Sec 7.3, EPA 6020, 7196A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 3050B, 3580, 3050B, 3035, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Rhode Island Department of Health Certificate/Lab ID: LA000299. **NELAP Accredited via LA-DEQ.**

Refer to MA-DEP Certificate for Non-Potable Water.

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. **NELAP Accredited.**

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8260, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

U.S. Army Corps of Engineers

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

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

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 3051, 6020, 747A, 7474, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580, 3570, 3540C, 5035, 8260B, 8270C, 8270 Alk-PAH, 8082, 8081A, 8015 (SHC), 8015 (DRO).)

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **8270C**: Biphenyl.

CHAIN OF CUSTODY PAGE <u>1</u> OF <u>1</u>					Date Rec'd In Lab <u>5/21/10</u>		ALPHA Job # <u>L1007633</u>				
<div style="display: flex; justify-content: space-between;"> <div> <p>WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193</p> </div> <div> <p>MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288</p> </div> </div>					Project Information Project Name: <u>SHL-TASK-0002</u> Project Location: <u>Dennis, MA</u> Project #: <u>AL001</u> Project Manager: <u>Phil McBain</u> ALPHA Quote #: _____			Report Information - Data Deliverables <input type="checkbox"/> FAX <input checked="" type="checkbox"/> EMAIL <u>EDR</u> <input type="checkbox"/> ADEx <input type="checkbox"/> Add'l Deliverables		Billing Information <input type="checkbox"/> Same as Client info <input type="checkbox"/> PO #: _____	
Client Information Client: <u>Sovereign Consulting Inc</u> Address: <u>905 B South Main St</u> <u>Mansfield, MA 01948</u> Phone: <u>508-339-3200</u> Fax: <u>508-339-3248</u> Email: <u>PMcBain@Sovcon.com</u> <input type="checkbox"/> These samples have been previously analyzed by Alpha					Regulatory Requirements/Report Limits State /Fed Program <u>Both</u> Criteria <u>See QAPP</u> MA MCP PRESUMPTIVE CERTAINTY -- CT REASONABLE CONFIDENCE PROTO <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Are MCP Analytical Methods Required? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Are CT RCP (Reasonable Confidence Protocols) Required?						
Turn-Around Time <input checked="" type="checkbox"/> Standard <u>NO RUSH (only confirmed if pre-approved)</u> Date Due: <u>All others normal</u> Time: <u>24 Hr.</u>					<div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> ANALYSIS <u>TAL Metals</u> <u>TOC</u> <u>TAL Metals</u> </div> <div style="width: 35%;"> SAMPLE HANDLING Filtration <input type="checkbox"/> Done <input checked="" type="checkbox"/> Not needed <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please specify below) </div> </div>						
Other Project Specific Requirements/Comments/Detection Limits: If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed. (Note: All CAM methods for inorganic analyses require MS every 20 soil samples)											
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Time	Sample Matrix	Sampler's Initials	Sample Specific Comments			TOTAL # BOTTLES		
<u>T633-1</u>	<u>SP-10-07-029</u>	<u>5/21/10</u>	<u>0930</u>	<u>Soil</u>	<u>PV</u>	<u>X</u>	<u>X</u>	<u>MS/MSD</u>		<u>4</u>	
<u>2</u>	<u>SP-10-07-041</u>	<u>5/21/10</u>	<u>1010</u>	<u>Soil</u>	<u>PV</u>	<u>X</u>	<u>X</u>			<u>2</u>	
<u>3</u>	<u>SP-10-07-053</u>	<u>5/21/10</u>	<u>1030</u>	<u>Soil</u>	<u>PV</u>	<u>X</u>	<u>X</u>			<u>2</u>	
<u>4</u>	<u>SDup-052110</u>	<u>5/21/10</u>	<u>0930</u>	<u>Soil</u>	<u>PV</u>	<u>X</u>	<u>X</u>			<u>2</u>	
<u>5</u>	<u>PB-052110-0</u>	<u>5/21/10</u>	<u>1125</u>	<u>GW</u>	<u>PV</u>	<u>X</u>	<u>X</u>				
PLEASE ANSWER QUESTIONS ABOVE! IS YOUR PROJECT MA MCP or CT RCP?						Container Type <u>A A</u> Preservative <u>A A</u>			Please print clearly, legibly and completely. Samples can not be logged in and turn around time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.		
Relinquished By:		Date/Time		Received By:		Date/Time					
<u>Carlynn Hone</u>		<u>5/21/10 1100</u>		<u>Carlynn Hone</u>		<u>5/21/10 1500</u>					



ANALYTICAL REPORT

Lab Number: L1012496

Client: Sovereign Consulting
905B South Main Street
Mansfield, MA 02048

ATTN: Phil McBain

Phone: (508) 339-3200

Project Name: SHL TASK 0002

Project Number: AC001

Report Date: 08/31/10

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

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



Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012496
Report Date: 08/31/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1012496-01	SP-10-15-001	DEVENS, MA	08/12/10 10:30
L1012496-02	SP-10-15-004	DEVENS, MA	08/12/10 10:33
L1012496-03	SP-10-15-005	DEVENS, MA	08/12/10 10:35
L1012496-04	SP-10-15-010	DEVENS, MA	08/12/10 10:37
L1012496-05	SP-10-15-015	DEVENS, MA	08/12/10 10:40
L1012496-06	SP-10-15-017	DEVENS, MA	08/12/10 10:42
L1012496-07	SP-10-15-018	DEVENS, MA	08/12/10 10:45
L1012496-08	SP-10-15-020	DEVENS, MA	08/12/10 10:48
L1012496-09	SP-10-15-025	DEVENS, MA	08/12/10 10:50
L1012496-10	SP-10-15-028	DEVENS, MA	08/12/10 10:53
L1012496-11	SP-10-15-030	DEVENS, MA	08/12/10 10:55
L1012496-12	SP-10-15-035	DEVENS, MA	08/12/10 10:57
L1012496-13	SP-10-15-040	DEVENS, MA	08/12/10 11:00
L1012496-14	SP-10-15-055	DEVENS, MA	08/12/10 11:03
L1012496-15	SDUP6-081210	DEVENS, MA	08/12/10 10:50
L1012496-16	SDUP7-081210	DEVENS, MA	08/12/10 10:55
L1012496-17	RB2-081210-U	DEVENS, MA	08/12/10 11:15

Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012496
Report Date: 08/31/10

Case Narrative

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

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

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

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

Report Submission

This report replaces the report issued on August 25, 2010. The report has been amended to correct the MDL for Mercury.

Testing performed for the reported analyses followed the guidelines established under the DoD QSM 4.1, where applicable.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Total Metals

L1012496-07 has elevated detection limits for analytes, except Mercury, due to the dilution required by target analyte spectral interferences encountered during analysis.

Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012496
Report Date: 08/31/10

Case Narrative (continued)

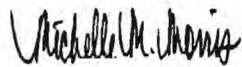
The WG427872-4 MS recovery, performed on L1012496-17, is above the acceptance criteria for Mercury (138%). A post digestion spike was performed with an acceptable recovery of 111%.

The WG427885-3/-4 MS/MSD recoveries for Aluminum (196%/0%), Arsenic (0%/0%) and Iron (0%/0%), performed on L1012496-11, are invalid because the sample concentrations are greater than four times the spike amount added.

The WG427885-3/-4 MS/MSD recoveries, performed on L1012496-11, are below the acceptance criteria for Antimony (74%/74%), Chromium (MSD at 78%), Magnesium (MSD at 58%) and Manganese (MSD at 58%). A post digestion spike was performed with acceptable recoveries of Antimony (103%), Chromium (96%), Magnesium (76%) and Manganese (92%). L1012496-11 is qualified as "J" for Chromium, Magnesium and Manganese.

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

Authorized Signature:

 Michelle M. Morris

Title: Technical Director/Representative

Date: 08/31/10

METALS

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012496

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012496-01

Client ID: SP-10-15-001

Sample Location: DEVENS, MA

Matrix: Soil

Percent Solids: 99%

Date Collected: 08/12/10 10:30

Date Received: 08/12/10

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3700		mg/kg	4.0	1.2	1	08/16/10 18:30	08/18/10 14:36	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.0	0.17	1	08/16/10 18:30	08/18/10 14:36	EPA 3050B	1,6010B	MG
Arsenic, Total	8.6		mg/kg	0.40	0.08	1	08/16/10 18:30	08/18/10 14:36	EPA 3050B	1,6010B	MG
Barium, Total	10		mg/kg	0.40	0.05	1	08/16/10 18:30	08/18/10 14:36	EPA 3050B	1,6010B	MG
Beryllium, Total	0.34		mg/kg	0.20	0.01	1	08/16/10 18:30	08/18/10 14:36	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	08/16/10 18:30	08/18/10 14:36	EPA 3050B	1,6010B	MG
Calcium, Total	420		mg/kg	4.0	0.72	1	08/16/10 18:30	08/18/10 14:36	EPA 3050B	1,6010B	MG
Chromium, Total	6.8		mg/kg	0.40	0.04	1	08/16/10 18:30	08/18/10 14:36	EPA 3050B	1,6010B	MG
Cobalt, Total	2.7		mg/kg	0.80	0.14	1	08/16/10 18:30	08/18/10 14:36	EPA 3050B	1,6010B	MG
Copper, Total	5.9		mg/kg	0.40	0.04	1	08/16/10 18:30	08/18/10 14:36	EPA 3050B	1,6010B	MG
Iron, Total	5900		mg/kg	2.0	0.71	1	08/16/10 18:30	08/18/10 14:36	EPA 3050B	1,6010B	MG
Lead, Total	5.7		mg/kg	2.0	0.05	1	08/16/10 18:30	08/18/10 14:36	EPA 3050B	1,6010B	MG
Magnesium, Total	1400		mg/kg	4.0	0.46	1	08/16/10 18:30	08/18/10 14:36	EPA 3050B	1,6010B	ML
Manganese, Total	110		mg/kg	0.40	0.02	1	08/16/10 18:30	08/18/10 14:36	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/16/10 14:36	08/17/10 13:22	EPA 7471A	1,7471A	EZ
Nickel, Total	7.1		mg/kg	1.0	0.06	1	08/16/10 18:30	08/18/10 14:36	EPA 3050B	1,6010B	MG
Potassium, Total	470		mg/kg	100	35	1	08/16/10 18:30	08/18/10 14:36	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	0.80	0.11	1	08/16/10 18:30	08/18/10 14:36	EPA 3050B	1,6010B	MG
Silver, Total	0.1	J	mg/kg	0.40	0.02	1	08/16/10 18:30	08/18/10 14:36	EPA 3050B	1,6010B	MG
Sodium, Total	ND		mg/kg	80	22	1	08/16/10 18:30	08/18/10 14:36	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.80	0.24	1	08/16/10 18:30	08/18/10 14:36	EPA 3050B	1,6010B	MG
Vanadium, Total	6.0		mg/kg	0.40	0.10	1	08/16/10 18:30	08/18/10 14:36	EPA 3050B	1,6010B	MG
Zinc, Total	13		mg/kg	2.0	0.06	1	08/16/10 18:30	08/18/10 14:36	EPA 3050B	1,6010B	MG

Project Name: SHL TASK 0002

Lab Number: L1012496

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012496-02

Date Collected: 08/12/10 10:33

Client ID: SP-10-15-004

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5500		mg/kg	4.2	1.2	1	08/16/10 18:30	08/18/10 14:42	EPA 3050B	1,6010B	MG
Antimony, Total	0.66	J	mg/kg	2.1	0.18	1	08/16/10 18:30	08/18/10 14:42	EPA 3050B	1,6010B	MG
Arsenic, Total	17		mg/kg	0.42	0.08	1	08/16/10 18:30	08/18/10 14:42	EPA 3050B	1,6010B	MG
Barium, Total	25		mg/kg	0.42	0.05	1	08/16/10 18:30	08/18/10 14:42	EPA 3050B	1,6010B	MG
Beryllium, Total	0.49		mg/kg	0.21	0.01	1	08/16/10 18:30	08/18/10 14:42	EPA 3050B	1,6010B	MG
Cadmium, Total	0.70		mg/kg	0.42	0.03	1	08/16/10 18:30	08/18/10 14:42	EPA 3050B	1,6010B	MG
Calcium, Total	930		mg/kg	4.2	0.75	1	08/16/10 18:30	08/18/10 14:42	EPA 3050B	1,6010B	MG
Chromium, Total	16		mg/kg	0.42	0.05	1	08/16/10 18:30	08/18/10 14:42	EPA 3050B	1,6010B	MG
Cobalt, Total	2.9		mg/kg	0.83	0.15	1	08/16/10 18:30	08/18/10 14:42	EPA 3050B	1,6010B	MG
Copper, Total	24		mg/kg	0.42	0.05	1	08/16/10 18:30	08/18/10 14:42	EPA 3050B	1,6010B	MG
Iron, Total	9400		mg/kg	2.1	0.74	1	08/16/10 18:30	08/18/10 14:42	EPA 3050B	1,6010B	MG
Lead, Total	110		mg/kg	2.1	0.05	1	08/16/10 18:30	08/18/10 14:42	EPA 3050B	1,6010B	MG
Magnesium, Total	2100		mg/kg	4.2	0.48	1	08/16/10 18:30	08/18/10 14:42	EPA 3050B	1,6010B	MG
Manganese, Total	120		mg/kg	0.42	0.02	1	08/16/10 18:30	08/18/10 14:42	EPA 3050B	1,6010B	MG
Mercury, Total	0.33		mg/kg	0.09	0.02	1	08/16/10 14:36	08/17/10 13:24	EPA 7471A	1,7471A	EZ
Nickel, Total	12		mg/kg	1.0	0.07	1	08/16/10 18:30	08/18/10 14:42	EPA 3050B	1,6010B	MG
Potassium, Total	810		mg/kg	100	37	1	08/16/10 18:30	08/18/10 14:42	EPA 3050B	1,6010B	MG
Selenium, Total	0.19	J	mg/kg	0.83	0.12	1	08/16/10 18:30	08/18/10 14:42	EPA 3050B	1,6010B	MG
Silver, Total	1.3		mg/kg	0.42	0.03	1	08/16/10 18:30	08/18/10 14:42	EPA 3050B	1,6010B	MG
Sodium, Total	95		mg/kg	83	23	1	08/16/10 18:30	08/18/10 14:42	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.83	0.25	1	08/16/10 18:30	08/18/10 14:42	EPA 3050B	1,6010B	MG
Vanadium, Total	12		mg/kg	0.42	0.10	1	08/16/10 18:30	08/18/10 14:42	EPA 3050B	1,6010B	MG
Zinc, Total	83		mg/kg	2.1	0.07	1	08/16/10 18:30	08/18/10 14:42	EPA 3050B	1,6010B	MG



Project Name: SHL TASK 0002

Lab Number: L1012496

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012496-03

Date Collected: 08/12/10 10:35

Client ID: SP-10-15-005

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 98%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4300		mg/kg	4.1	1.2	1	08/16/10 18:30	08/18/10 14:47	EPA 3050B	1,6010B	MG
Antimony, Total	0.47	J	mg/kg	2.0	0.18	1	08/16/10 18:30	08/18/10 14:47	EPA 3050B	1,6010B	MG
Arsenic, Total	12		mg/kg	0.41	0.08	1	08/16/10 18:30	08/18/10 14:47	EPA 3050B	1,6010B	MG
Barium, Total	20		mg/kg	0.41	0.05	1	08/16/10 18:30	08/18/10 14:47	EPA 3050B	1,6010B	MG
Beryllium, Total	0.34		mg/kg	0.20	0.01	1	08/16/10 18:30	08/18/10 14:47	EPA 3050B	1,6010B	MG
Cadmium, Total	0.24	J	mg/kg	0.41	0.03	1	08/16/10 18:30	08/18/10 14:47	EPA 3050B	1,6010B	MG
Calcium, Total	2700		mg/kg	4.1	0.74	1	08/16/10 18:30	08/18/10 14:47	EPA 3050B	1,6010B	MG
Chromium, Total	9.7		mg/kg	0.41	0.05	1	08/16/10 18:30	08/18/10 14:47	EPA 3050B	1,6010B	MG
Cobalt, Total	2.6		mg/kg	0.82	0.15	1	08/16/10 18:30	08/18/10 14:47	EPA 3050B	1,6010B	MG
Copper, Total	10		mg/kg	0.41	0.05	1	08/16/10 18:30	08/18/10 14:47	EPA 3050B	1,6010B	MG
Iron, Total	11000		mg/kg	2.0	0.73	1	08/16/10 18:30	08/18/10 14:47	EPA 3050B	1,6010B	MG
Lead, Total	39		mg/kg	2.0	0.05	1	08/16/10 18:30	08/18/10 14:47	EPA 3050B	1,6010B	MG
Magnesium, Total	1600		mg/kg	4.1	0.48	1	08/16/10 18:30	08/18/10 14:47	EPA 3050B	1,6010B	ML
Manganese, Total	230		mg/kg	0.41	0.02	1	08/16/10 18:30	08/18/10 14:47	EPA 3050B	1,6010B	MG
Mercury, Total	0.049	J	mg/kg	0.07	0.01	1	08/16/10 14:36	08/17/10 13:29	EPA 7471A	1,7471A	EZ
Nickel, Total	9.3		mg/kg	1.0	0.07	1	08/16/10 18:30	08/18/10 14:47	EPA 3050B	1,6010B	MG
Potassium, Total	550		mg/kg	100	36	1	08/16/10 18:30	08/18/10 14:47	EPA 3050B	1,6010B	MG
Selenium, Total	0.16	J	mg/kg	0.82	0.11	1	08/16/10 18:30	08/18/10 14:47	EPA 3050B	1,6010B	MG
Silver, Total	0.71		mg/kg	0.41	0.03	1	08/16/10 18:30	08/18/10 14:47	EPA 3050B	1,6010B	MG
Sodium, Total	85		mg/kg	82	23	1	08/16/10 18:30	08/18/10 14:47	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.82	0.25	1	08/16/10 18:30	08/18/10 14:47	EPA 3050B	1,6010B	MG
Vanadium, Total	8.8		mg/kg	0.41	0.10	1	08/16/10 18:30	08/18/10 14:47	EPA 3050B	1,6010B	MG
Zinc, Total	55		mg/kg	2.0	0.07	1	08/16/10 18:30	08/18/10 14:47	EPA 3050B	1,6010B	MG



Project Name: SHL TASK 0002

Lab Number: L1012496

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012496-04

Date Collected: 08/12/10 10:37

Client ID: SP-10-15-010

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4300		mg/kg	4.9	1.4	1	08/16/10 18:30	08/18/10 15:15	EPA 3050B	1,6010B	MG
Antimony, Total	0.35	J	mg/kg	2.5	0.21	1	08/16/10 18:30	08/18/10 15:15	EPA 3050B	1,6010B	MG
Arsenic, Total	11		mg/kg	0.49	0.10	1	08/16/10 18:30	08/18/10 15:15	EPA 3050B	1,6010B	MG
Barium, Total	16		mg/kg	0.49	0.06	1	08/16/10 18:30	08/18/10 15:15	EPA 3050B	1,6010B	MG
Beryllium, Total	0.27		mg/kg	0.25	0.02	1	08/16/10 18:30	08/18/10 15:15	EPA 3050B	1,6010B	MG
Cadmium, Total	0.14	J	mg/kg	0.49	0.04	1	08/16/10 18:30	08/18/10 15:15	EPA 3050B	1,6010B	MG
Calcium, Total	920		mg/kg	4.9	0.89	1	08/16/10 18:30	08/18/10 15:15	EPA 3050B	1,6010B	MG
Chromium, Total	11		mg/kg	0.49	0.05	1	08/16/10 18:30	08/18/10 15:15	EPA 3050B	1,6010B	MG
Cobalt, Total	2.7		mg/kg	0.98	0.18	1	08/16/10 18:30	08/18/10 15:15	EPA 3050B	1,6010B	MG
Copper, Total	8.2		mg/kg	0.49	0.05	1	08/16/10 18:30	08/18/10 15:15	EPA 3050B	1,6010B	MG
Iron, Total	8100		mg/kg	2.5	0.88	1	08/16/10 18:30	08/18/10 15:15	EPA 3050B	1,6010B	MG
Lead, Total	21		mg/kg	2.5	0.06	1	08/16/10 18:30	08/18/10 15:15	EPA 3050B	1,6010B	MG
Magnesium, Total	1800		mg/kg	4.9	0.57	1	08/16/10 18:30	08/18/10 15:15	EPA 3050B	1,6010B	MG
Manganese, Total	100		mg/kg	0.49	0.02	1	08/16/10 18:30	08/18/10 15:15	EPA 3050B	1,6010B	MG
Mercury, Total	0.037	J	mg/kg	0.09	0.02	1	08/16/10 14:36	08/17/10 13:31	EPA 7471A	1,7471A	EZ
Nickel, Total	11		mg/kg	1.2	0.08	1	08/16/10 18:30	08/18/10 15:15	EPA 3050B	1,6010B	MG
Potassium, Total	410		mg/kg	120	44	1	08/16/10 18:30	08/18/10 15:15	EPA 3050B	1,6010B	MG
Selenium, Total	0.16	J	mg/kg	0.98	0.14	1	08/16/10 18:30	08/18/10 15:15	EPA 3050B	1,6010B	MG
Silver, Total	12		mg/kg	0.49	0.03	1	08/16/10 18:30	08/18/10 15:15	EPA 3050B	1,6010B	MG
Sodium, Total	100		mg/kg	98	27	1	08/16/10 18:30	08/18/10 15:15	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.98	0.30	1	08/16/10 18:30	08/18/10 15:15	EPA 3050B	1,6010B	MG
Vanadium, Total	6.2		mg/kg	0.49	0.12	1	08/16/10 18:30	08/18/10 15:15	EPA 3050B	1,6010B	MG
Zinc, Total	53		mg/kg	2.5	0.08	1	08/16/10 18:30	08/18/10 15:15	EPA 3050B	1,6010B	MG



Project Name: SHL TASK 0002

Lab Number: L1012496

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012496-05

Date Collected: 08/12/10 10:40

Client ID: SP-10-15-015

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3800		mg/kg	5.1	1.5	1	08/16/10 18:30	08/18/10 15:21	EPA 3050B	1,6010B	MG
Antimony, Total	0.41	J	mg/kg	2.5	0.22	1	08/16/10 18:30	08/18/10 15:21	EPA 3050B	1,6010B	MG
Arsenic, Total	8.9		mg/kg	0.51	0.10	1	08/16/10 18:30	08/18/10 15:21	EPA 3050B	1,6010B	MG
Barium, Total	12		mg/kg	0.51	0.06	1	08/16/10 18:30	08/18/10 15:21	EPA 3050B	1,6010B	MG
Beryllium, Total	0.24	J	mg/kg	0.25	0.02	1	08/16/10 18:30	08/18/10 15:21	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.51	0.04	1	08/16/10 18:30	08/18/10 15:21	EPA 3050B	1,6010B	MG
Calcium, Total	830		mg/kg	5.1	0.92	1	08/16/10 18:30	08/18/10 15:21	EPA 3050B	1,6010B	MG
Chromium, Total	11		mg/kg	0.51	0.06	1	08/16/10 18:30	08/18/10 15:21	EPA 3050B	1,6010B	MG
Cobalt, Total	2.4		mg/kg	1.0	0.18	1	08/16/10 18:30	08/18/10 15:21	EPA 3050B	1,6010B	MG
Copper, Total	7.1		mg/kg	0.51	0.06	1	08/16/10 18:30	08/18/10 15:21	EPA 3050B	1,6010B	MG
Iron, Total	7000		mg/kg	2.5	0.90	1	08/16/10 18:30	08/18/10 15:21	EPA 3050B	1,6010B	MG
Lead, Total	12		mg/kg	2.5	0.07	1	08/16/10 18:30	08/18/10 15:21	EPA 3050B	1,6010B	MG
Magnesium, Total	1600		mg/kg	5.1	0.59	1	08/16/10 18:30	08/18/10 15:21	EPA 3050B	1,6010B	MG
Manganese, Total	81		mg/kg	0.51	0.02	1	08/16/10 18:30	08/18/10 15:21	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/16/10 14:36	08/17/10 13:33	EPA 7471A	1,7471A	EZ
Nickel, Total	9.6		mg/kg	1.3	0.08	1	08/16/10 18:30	08/18/10 15:21	EPA 3050B	1,6010B	MG
Potassium, Total	330		mg/kg	130	45	1	08/16/10 18:30	08/18/10 15:21	EPA 3050B	1,6010B	MG
Selenium, Total	0.17	J	mg/kg	1.0	0.14	1	08/16/10 18:30	08/18/10 15:21	EPA 3050B	1,6010B	MG
Silver, Total	1.1		mg/kg	0.51	0.03	1	08/16/10 18:30	08/18/10 15:21	EPA 3050B	1,6010B	MG
Sodium, Total	120		mg/kg	100	28	1	08/16/10 18:30	08/18/10 15:21	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	1.0	0.30	1	08/16/10 18:30	08/18/10 15:21	EPA 3050B	1,6010B	MG
Vanadium, Total	5.6		mg/kg	0.51	0.13	1	08/16/10 18:30	08/18/10 15:21	EPA 3050B	1,6010B	MG
Zinc, Total	140		mg/kg	2.5	0.08	1	08/16/10 18:30	08/18/10 15:21	EPA 3050B	1,6010B	MG



Project Name: SHL TASK 0002

Lab Number: L1012496

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012496-06

Date Collected: 08/12/10 10:42

Client ID: SP-10-15-017

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4300		mg/kg	4.3	1.3	1	08/16/10 18:30	08/18/10 15:26	EPA 3050B	1,6010B	MG
Antimony, Total	0.64	J	mg/kg	2.2	0.18	1	08/16/10 18:30	08/18/10 15:26	EPA 3050B	1,6010B	MG
Arsenic, Total	6.2		mg/kg	0.43	0.09	1	08/16/10 18:30	08/18/10 15:26	EPA 3050B	1,6010B	MG
Barium, Total	41		mg/kg	0.43	0.05	1	08/16/10 18:30	08/18/10 15:26	EPA 3050B	1,6010B	MG
Beryllium, Total	0.30		mg/kg	0.22	0.01	1	08/16/10 18:30	08/18/10 15:26	EPA 3050B	1,6010B	MG
Cadmium, Total	0.26	J	mg/kg	0.43	0.03	1	08/16/10 18:30	08/18/10 15:26	EPA 3050B	1,6010B	MG
Calcium, Total	790		mg/kg	4.3	0.78	1	08/16/10 18:30	08/18/10 15:26	EPA 3050B	1,6010B	MG
Chromium, Total	8.4		mg/kg	0.43	0.05	1	08/16/10 18:30	08/18/10 15:26	EPA 3050B	1,6010B	MG
Cobalt, Total	2.1		mg/kg	0.86	0.16	1	08/16/10 18:30	08/18/10 15:26	EPA 3050B	1,6010B	MG
Copper, Total	11		mg/kg	0.43	0.05	1	08/16/10 18:30	08/18/10 15:26	EPA 3050B	1,6010B	MG
Iron, Total	12000		mg/kg	2.2	0.77	1	08/16/10 18:30	08/18/10 15:26	EPA 3050B	1,6010B	MG
Lead, Total	38		mg/kg	2.2	0.06	1	08/16/10 18:30	08/18/10 15:26	EPA 3050B	1,6010B	MG
Magnesium, Total	1400		mg/kg	4.3	0.50	1	08/16/10 18:30	08/18/10 15:26	EPA 3050B	1,6010B	MG
Manganese, Total	130		mg/kg	0.43	0.02	1	08/16/10 18:30	08/18/10 15:26	EPA 3050B	1,6010B	MG
Mercury, Total	0.17		mg/kg	0.09	0.02	1	08/16/10 14:36	08/17/10 13:35	EPA 7471A	1,7471A	EZ
Nickel, Total	9.0		mg/kg	1.1	0.07	1	08/16/10 18:30	08/18/10 15:26	EPA 3050B	1,6010B	MG
Potassium, Total	420		mg/kg	110	38.	1	08/16/10 18:30	08/18/10 15:26	EPA 3050B	1,6010B	MG
Selenium, Total	0.33	J	mg/kg	0.86	0.12	1	08/16/10 18:30	08/18/10 15:26	EPA 3050B	1,6010B	MG
Silver, Total	0.32	J	mg/kg	0.43	0.03	1	08/16/10 18:30	08/18/10 15:26	EPA 3050B	1,6010B	MG
Sodium, Total	100		mg/kg	86	24.	1	08/16/10 18:30	08/18/10 15:26	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.86	0.26	1	08/16/10 18:30	08/18/10 15:26	EPA 3050B	1,6010B	MG
Vanadium, Total	10		mg/kg	0.43	0.11	1	08/16/10 18:30	08/18/10 15:26	EPA 3050B	1,6010B	MG
Zinc, Total	86		mg/kg	2.2	0.07	1	08/16/10 18:30	08/18/10 15:26	EPA 3050B	1,6010B	MG

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012496

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012496-07

Client ID: SP-10-15-018

Sample Location: DEVENS, MA

Matrix: Soil

Percent Solids: 65%

Date Collected: 08/12/10 10:45

Date Received: 08/12/10

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	9300		mg/kg	30	9.0	5	08/16/10 18:30	08/20/10 13:24	EPA 3050B	1,6010B	MG
Antimony, Total	11	J	mg/kg	15	1.3	5	08/16/10 18:30	08/20/10 13:24	EPA 3050B	1,6010B	MG
Arsenic, Total	25		mg/kg	3.0	0.61	5	08/16/10 18:30	08/20/10 13:24	EPA 3050B	1,6010B	MG
Barium, Total	120		mg/kg	3.0	0.37	5	08/16/10 18:30	08/20/10 13:24	EPA 3050B	1,6010B	MG
Beryllium, Total	ND		mg/kg	1.5	0.09	5	08/16/10 18:30	08/20/10 13:24	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	3.0	0.24	5	08/16/10 18:30	08/20/10 13:24	EPA 3050B	1,6010B	MG
Calcium, Total	9000		mg/kg	30	5.5	5	08/16/10 18:30	08/20/10 13:24	EPA 3050B	1,6010B	MG
Chromium, Total	69		mg/kg	3.0	0.34	5	08/16/10 18:30	08/20/10 13:24	EPA 3050B	1,6010B	MG
Cobalt, Total	14		mg/kg	6.1	1.1	5	08/16/10 18:30	08/20/10 13:24	EPA 3050B	1,6010B	MG
Copper, Total	310		mg/kg	3.0	0.34	5	08/16/10 18:30	08/20/10 13:24	EPA 3050B	1,6010B	MG
Iron, Total	140000		mg/kg	15	5.4	5	08/16/10 18:30	08/20/10 13:24	EPA 3050B	1,6010B	MG
Lead, Total	1200		mg/kg	15	0.40	5	08/16/10 18:30	08/20/10 13:24	EPA 3050B	1,6010B	MG
Magnesium, Total	600		mg/kg	30	3.5	5	08/16/10 18:30	08/20/10 13:24	EPA 3050B	1,6010B	MG
Manganese, Total	1100		mg/kg	3.0	0.12	5	08/16/10 18:30	08/20/10 13:24	EPA 3050B	1,6010B	MG
Mercury, Total	0.44		mg/kg	0.12	0.03	1	08/16/10 14:36	08/17/10 13:37	EPA 7471A	1,7471A	EZ
Nickel, Total	75		mg/kg	7.6	0.49	5	08/16/10 18:30	08/20/10 13:24	EPA 3050B	1,6010B	MG
Potassium, Total	380	J	mg/kg	760	270	5	08/16/10 18:30	08/20/10 13:24	EPA 3050B	1,6010B	MG
Selenium, Total	2.9	J	mg/kg	6.1	0.85	5	08/16/10 18:30	08/20/10 13:24	EPA 3050B	1,6010B	MG
Silver, Total	1.2	J	mg/kg	3.0	0.18	5	08/16/10 18:30	08/20/10 13:24	EPA 3050B	1,6010B	MG
Sodium, Total	940		mg/kg	610	170	5	08/16/10 18:30	08/20/10 13:24	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	6.1	1.8	5	08/16/10 18:30	08/20/10 13:24	EPA 3050B	1,6010B	MG
Vanadium, Total	6.4		mg/kg	3.0	0.76	5	08/16/10 18:30	08/20/10 13:24	EPA 3050B	1,6010B	MG
Zinc, Total	1000		mg/kg	15	0.49	5	08/16/10 18:30	08/20/10 13:24	EPA 3050B	1,6010B	MG

Project Name: SHL TASK 0002

Lab Number: L1012496

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012496-08
 Client ID: SP-10-15-020
 Sample Location: DEVENS, MA
 Matrix: Soil
 Percent Solids: 88%

Date Collected: 08/12/10 10:48
 Date Received: 08/12/10
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6000		mg/kg	4.5	1.3	1	08/16/10 18:30	08/18/10 16:53	EPA 3050B	1,6010B	MG
Antimony, Total	5.9		mg/kg	2.3	0.20	1	08/16/10 18:30	08/18/10 16:53	EPA 3050B	1,6010B	MG
Arsenic, Total	17		mg/kg	0.45	0.09	1	08/16/10 18:30	08/18/10 16:53	EPA 3050B	1,6010B	MG
Barium, Total	38		mg/kg	0.45	0.05	1	08/16/10 18:30	08/18/10 16:53	EPA 3050B	1,6010B	MG
Beryllium, Total	0.46		mg/kg	0.23	0.01	1	08/16/10 18:30	08/18/10 16:53	EPA 3050B	1,6010B	MG
Cadmium, Total	0.14	J	mg/kg	0.45	0.04	1	08/16/10 18:30	08/18/10 16:53	EPA 3050B	1,6010B	MG
Calcium, Total	3000		mg/kg	4.5	0.82	1	08/16/10 18:30	08/18/10 16:53	EPA 3050B	1,6010B	MG
Chromium, Total	14		mg/kg	0.45	0.05	1	08/16/10 18:30	08/18/10 16:53	EPA 3050B	1,6010B	MG
Cobalt, Total	3.8		mg/kg	0.91	0.16	1	08/16/10 18:30	08/18/10 16:53	EPA 3050B	1,6010B	MG
Copper, Total	14		mg/kg	0.45	0.05	1	08/16/10 18:30	08/18/10 16:53	EPA 3050B	1,6010B	MG
Iron, Total	9900		mg/kg	2.3	0.81	1	08/16/10 18:30	08/18/10 16:53	EPA 3050B	1,6010B	MG
Lead, Total	220		mg/kg	2.3	0.06	1	08/16/10 18:30	08/18/10 16:53	EPA 3050B	1,6010B	MG
Magnesium, Total	1800		mg/kg	4.5	0.53	1	08/16/10 18:30	08/18/10 16:53	EPA 3050B	1,6010B	MG
Manganese, Total	110		mg/kg	0.45	0.02	1	08/16/10 18:30	08/18/10 16:53	EPA 3050B	1,6010B	MG
Mercury, Total	0.067	J	mg/kg	0.09	0.02	1	08/16/10 14:36	08/17/10 13:38	EPA 7471A	1,7471A	EZ
Nickel, Total	12		mg/kg	1.1	0.07	1	08/16/10 18:30	08/18/10 16:53	EPA 3050B	1,6010B	MG
Potassium, Total	530		mg/kg	110	40	1	08/16/10 18:30	08/18/10 16:53	EPA 3050B	1,6010B	MG
Selenium, Total	0.39	J	mg/kg	0.91	0.13	1	08/16/10 18:30	08/18/10 16:53	EPA 3050B	1,6010B	MG
Silver, Total	3.0		mg/kg	0.45	0.03	1	08/16/10 18:30	08/18/10 16:53	EPA 3050B	1,6010B	MG
Sodium, Total	93		mg/kg	91	25	1	08/16/10 18:30	08/18/10 16:53	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.91	0.27	1	08/16/10 18:30	08/18/10 16:53	EPA 3050B	1,6010B	MG
Vanadium, Total	17		mg/kg	0.45	0.11	1	08/16/10 18:30	08/18/10 16:53	EPA 3050B	1,6010B	MG
Zinc, Total	110		mg/kg	2.3	0.07	1	08/16/10 18:30	08/18/10 16:53	EPA 3050B	1,6010B	MG

Project Name: SHL TASK 0002

Lab Number: L1012496

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012496-09

Date Collected: 08/12/10 10:50

Client ID: SP-10-15-025

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4900		mg/kg	5.2	1.5	1	08/16/10 18:30	08/18/10 15:45	EPA 3050B	1,6010B	MG
Antimony, Total	4.0		mg/kg	2.6	0.22	1	08/16/10 18:30	08/18/10 15:45	EPA 3050B	1,6010B	MG
Arsenic, Total	16		mg/kg	0.52	0.10	1	08/16/10 18:30	08/18/10 15:45	EPA 3050B	1,6010B	MG
Barium, Total	170		mg/kg	0.52	0.06	1	08/16/10 18:30	08/18/10 15:45	EPA 3050B	1,6010B	MG
Beryllium, Total	0.35		mg/kg	0.26	0.02	1	08/16/10 18:30	08/18/10 15:45	EPA 3050B	1,6010B	MG
Cadmium, Total	0.27	J	mg/kg	0.52	0.04	1	08/16/10 18:30	08/18/10 15:45	EPA 3050B	1,6010B	MG
Calcium, Total	4500		mg/kg	5.2	0.94	1	08/16/10 18:30	08/18/10 15:45	EPA 3050B	1,6010B	MG
Chromium, Total	35		mg/kg	0.52	0.06	1	08/16/10 18:30	08/18/10 15:45	EPA 3050B	1,6010B	MG
Cobalt, Total	4.5		mg/kg	1.0	0.19	1	08/16/10 18:30	08/18/10 15:45	EPA 3050B	1,6010B	MG
Copper, Total	38		mg/kg	0.52	0.06	1	08/16/10 18:30	08/18/10 15:45	EPA 3050B	1,6010B	MG
Iron, Total	24000		mg/kg	2.6	0.92	1	08/16/10 18:30	08/18/10 15:45	EPA 3050B	1,6010B	MG
Lead, Total	260		mg/kg	2.6	0.07	1	08/16/10 18:30	08/18/10 15:45	EPA 3050B	1,6010B	MG
Magnesium, Total	1900		mg/kg	5.2	0.60	1	08/16/10 18:30	08/18/10 15:45	EPA 3050B	1,6010B	MG
Manganese, Total	240		mg/kg	0.52	0.02	1	08/16/10 18:30	08/18/10 15:45	EPA 3050B	1,6010B	MG
Mercury, Total	0.32		mg/kg	0.09	0.02	1	08/16/10 14:36	08/17/10 13:44	EPA 7471A	1,7471A	EZ
Nickel, Total	20		mg/kg	1.3	0.08	1	08/16/10 18:30	08/18/10 15:45	EPA 3050B	1,6010B	MG
Potassium, Total	480		mg/kg	130	46	1	08/16/10 18:30	08/18/10 15:45	EPA 3050B	1,6010B	MG
Selenium, Total	0.46	J	mg/kg	1.0	0.14	1	08/16/10 18:30	08/18/10 15:45	EPA 3050B	1,6010B	MG
Silver, Total	0.80		mg/kg	0.52	0.03	1	08/16/10 18:30	08/18/10 15:45	EPA 3050B	1,6010B	MG
Sodium, Total	210		mg/kg	100	29	1	08/16/10 18:30	08/18/10 15:45	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	1.0	0.31	1	08/16/10 18:30	08/18/10 15:45	EPA 3050B	1,6010B	MG
Vanadium, Total	37		mg/kg	0.52	0.13	1	08/16/10 18:30	08/18/10 15:45	EPA 3050B	1,6010B	MG
Zinc, Total	220		mg/kg	2.6	0.08	1	08/16/10 18:30	08/18/10 15:45	EPA 3050B	1,6010B	MG

Project Name: SHL TASK 0002

Lab Number: L1012496

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012496-10

Date Collected: 08/12/10 10:53

Client ID: SP-10-15-028

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4800		mg/kg	4.8	1.4	1	08/16/10 18:30	08/18/10 15:51	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.4	0.20	1	08/16/10 18:30	08/18/10 15:51	EPA 3050B	1,6010B	MG
Arsenic, Total	7.9		mg/kg	0.48	0.10	1	08/16/10 18:30	08/18/10 15:51	EPA 3050B	1,6010B	MG
Barium, Total	12		mg/kg	0.48	0.06	1	08/16/10 18:30	08/18/10 15:51	EPA 3050B	1,6010B	MG
Beryllium, Total	0.27		mg/kg	0.24	0.01	1	08/16/10 18:30	08/18/10 15:51	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.48	0.04	1	08/16/10 18:30	08/18/10 15:51	EPA 3050B	1,6010B	MG
Calcium, Total	340		mg/kg	4.8	0.87	1	08/16/10 18:30	08/18/10 15:51	EPA 3050B	1,6010B	MG
Chromium, Total	10		mg/kg	0.48	0.05	1	08/16/10 18:30	08/18/10 15:51	EPA 3050B	1,6010B	MG
Cobalt, Total	1.5		mg/kg	0.96	0.17	1	08/16/10 18:30	08/18/10 15:51	EPA 3050B	1,6010B	MG
Copper, Total	3.7		mg/kg	0.48	0.05	1	08/16/10 18:30	08/18/10 15:51	EPA 3050B	1,6010B	MG
Iron, Total	5800		mg/kg	2.4	0.85	1	08/16/10 18:30	08/18/10 15:51	EPA 3050B	1,6010B	MG
Lead, Total	5.3		mg/kg	2.4	0.06	1	08/16/10 18:30	08/18/10 15:51	EPA 3050B	1,6010B	MG
Magnesium, Total	2000		mg/kg	4.8	0.56	1	08/16/10 18:30	08/18/10 15:51	EPA 3050B	1,6010B	MG
Manganese, Total	58		mg/kg	0.48	0.02	1	08/16/10 18:30	08/18/10 15:51	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.09	0.02	1	08/16/10 14:36	08/17/10 13:46	EPA 7471A	1,7471A	EZ
Nickel, Total	6.3		mg/kg	1.2	0.08	1	08/16/10 18:30	08/18/10 15:51	EPA 3050B	1,6010B	MG
Potassium, Total	320		mg/kg	120	42	1	08/16/10 18:30	08/18/10 15:51	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	0.96	0.13	1	08/16/10 18:30	08/18/10 15:51	EPA 3050B	1,6010B	MG
Silver, Total	0.037	J	mg/kg	0.48	0.03	1	08/16/10 18:30	08/18/10 15:51	EPA 3050B	1,6010B	MG
Sodium, Total	27	J	mg/kg	96	26	1	08/16/10 18:30	08/18/10 15:51	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.96	0.29	1	08/16/10 18:30	08/18/10 15:51	EPA 3050B	1,6010B	MG
Vanadium, Total	8.5		mg/kg	0.48	0.12	1	08/16/10 18:30	08/18/10 15:51	EPA 3050B	1,6010B	MG
Zinc, Total	11		mg/kg	2.4	0.08	1	08/16/10 18:30	08/18/10 15:51	EPA 3050B	1,6010B	MG

Project Name: SHL TASK 0002

Lab Number: L1012496

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012496-11

Date Collected: 08/12/10 10:55

Client ID: SP-10-15-030

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3600		mg/kg	5.2	1.5	1	08/16/10 18:30	08/18/10 14:14	EPA 3050B	1,6010B	MG
Antimony, Total	0.71	J	mg/kg	2.6	0.22	1	08/16/10 18:30	08/18/10 14:14	EPA 3050B	1,6010B	MG
Arsenic, Total	39		mg/kg	0.52	0.10	1	08/16/10 18:30	08/18/10 14:14	EPA 3050B	1,6010B	MG
Barium, Total	7.6		mg/kg	0.52	0.06	1	08/16/10 18:30	08/18/10 14:14	EPA 3050B	1,6010B	MG
Beryllium, Total	0.32		mg/kg	0.26	0.02	1	08/16/10 18:30	08/18/10 14:14	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.52	0.04	1	08/16/10 18:30	08/18/10 14:14	EPA 3050B	1,6010B	MG
Calcium, Total	390		mg/kg	5.2	0.94	1	08/16/10 18:30	08/18/10 14:14	EPA 3050B	1,6010B	MG
Chromium, Total	7.0	J	mg/kg	0.52	0.06	1	08/16/10 18:30	08/18/10 14:14	EPA 3050B	1,6010B	MG
Cobalt, Total	2.3		mg/kg	1.0	0.19	1	08/16/10 18:30	08/18/10 14:14	EPA 3050B	1,6010B	MG
Copper, Total	5.6		mg/kg	0.52	0.06	1	08/16/10 18:30	08/18/10 14:14	EPA 3050B	1,6010B	MG
Iron, Total	7800		mg/kg	2.6	0.93	1	08/16/10 18:30	08/18/10 14:14	EPA 3050B	1,6010B	MG
Lead, Total	5.8		mg/kg	2.6	0.07	1	08/16/10 18:30	08/18/10 14:14	EPA 3050B	1,6010B	MG
Magnesium, Total	1400	J	mg/kg	5.2	0.61	1	08/16/10 18:30	08/18/10 14:14	EPA 3050B	1,6010B	ML
Manganese, Total	64	J	mg/kg	0.52	0.02	1	08/16/10 18:30	08/18/10 14:14	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.09	0.02	1	08/16/10 14:36	08/17/10 13:48	EPA 7471A	1,7471A	EZ
Nickel, Total	7.8		mg/kg	1.3	0.08	1	08/16/10 18:30	08/18/10 14:14	EPA 3050B	1,6010B	MG
Potassium, Total	360		mg/kg	130	46	1	08/16/10 18:30	08/18/10 14:14	EPA 3050B	1,6010B	MG
Selenium, Total	0.27	J	mg/kg	1.0	0.15	1	08/16/10 18:30	08/18/10 14:14	EPA 3050B	1,6010B	MG
Silver, Total	0.15	J	mg/kg	0.52	0.03	1	08/16/10 18:30	08/18/10 14:14	EPA 3050B	1,6010B	MG
Sodium, Total	51	J	mg/kg	100	29	1	08/16/10 18:30	08/18/10 14:14	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	1.0	0.31	1	08/16/10 18:30	08/18/10 14:14	EPA 3050B	1,6010B	MG
Vanadium, Total	5.6		mg/kg	0.52	0.13	1	08/16/10 18:30	08/18/10 14:14	EPA 3050B	1,6010B	MG
Zinc, Total	13		mg/kg	2.6	0.08	1	08/16/10 18:30	08/18/10 14:14	EPA 3050B	1,6010B	MG



Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012496
Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012496-12
Client ID: SP-10-15-035
Sample Location: DEVENS, MA
Matrix: Soil
Percent Solids: 81%

Date Collected: 08/12/10 10:57
Date Received: 08/12/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	2900		mg/kg	4.9	1.4	1	08/16/10 18:30	08/18/10 15:56	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.4	0.21	1	08/16/10 18:30	08/18/10 15:56	EPA 3050B	1,6010B	MG
Arsenic, Total	15		mg/kg	0.49	0.10	1	08/16/10 18:30	08/18/10 15:56	EPA 3050B	1,6010B	MG
Barium, Total	6.4		mg/kg	0.49	0.06	1	08/16/10 18:30	08/18/10 15:56	EPA 3050B	1,6010B	MG
Beryllium, Total	0.23	J	mg/kg	0.24	0.02	1	08/16/10 18:30	08/18/10 15:56	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.49	0.04	1	08/16/10 18:30	08/18/10 15:56	EPA 3050B	1,6010B	MG
Calcium, Total	540		mg/kg	4.9	0.89	1	08/16/10 18:30	08/18/10 15:56	EPA 3050B	1,6010B	MG
Chromium, Total	5.9		mg/kg	0.49	0.05	1	08/16/10 18:30	08/18/10 15:56	EPA 3050B	1,6010B	MG
Cobalt, Total	2.0		mg/kg	0.98	0.18	1	08/16/10 18:30	08/18/10 15:56	EPA 3050B	1,6010B	MG
Copper, Total	5.0		mg/kg	0.49	0.05	1	08/16/10 18:30	08/18/10 15:56	EPA 3050B	1,6010B	MG
Iron, Total	5100		mg/kg	2.4	0.87	1	08/16/10 18:30	08/18/10 15:56	EPA 3050B	1,6010B	MG
Lead, Total	4.6		mg/kg	2.4	0.06	1	08/16/10 18:30	08/18/10 15:56	EPA 3050B	1,6010B	MG
Magnesium, Total	1200		mg/kg	4.9	0.57	1	08/16/10 18:30	08/18/10 15:56	EPA 3050B	1,6010B	MG
Manganese, Total	62		mg/kg	0.49	0.02	1	08/16/10 18:30	08/18/10 15:56	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.09	0.02	1	08/16/10 14:36	08/17/10 13:53	EPA 7471A	1,7471A	EZ
Nickel, Total	6.6		mg/kg	1.2	0.08	1	08/16/10 18:30	08/18/10 15:56	EPA 3050B	1,6010B	MG
Potassium, Total	300		mg/kg	120	43.	1	08/16/10 18:30	08/18/10 15:56	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	0.98	0.14	1	08/16/10 18:30	08/18/10 15:56	EPA 3050B	1,6010B	MG
Silver, Total	0.034	J	mg/kg	0.49	0.03	1	08/16/10 18:30	08/18/10 15:56	EPA 3050B	1,6010B	MG
Sodium, Total	55	J	mg/kg	98	27.	1	08/16/10 18:30	08/18/10 15:56	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.98	0.29	1	08/16/10 18:30	08/18/10 15:56	EPA 3050B	1,6010B	MG
Vanadium, Total	4.4		mg/kg	0.49	0.12	1	08/16/10 18:30	08/18/10 15:56	EPA 3050B	1,6010B	MG
Zinc, Total	9.5		mg/kg	2.4	0.08	1	08/16/10 18:30	08/18/10 15:56	EPA 3050B	1,6010B	MG



Project Name: SHL TASK 0002

Lab Number: L1012496

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012496-13

Date Collected: 08/12/10 11:00

Client ID: SP-10-15-040

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	2700		mg/kg	5.2	1.5	1	08/16/10 18:30	08/18/10 16:02	EPA 3050B	1,6010B	MG
Antimony, Total	0.27	J	mg/kg	2.6	0.22	1	08/16/10 18:30	08/18/10 16:02	EPA 3050B	1,6010B	MG
Arsenic, Total	15		mg/kg	0.52	0.10	1	08/16/10 18:30	08/18/10 16:02	EPA 3050B	1,6010B	MG
Barium, Total	5.8		mg/kg	0.52	0.06	1	08/16/10 18:30	08/18/10 16:02	EPA 3050B	1,6010B	MG
Beryllium, Total	0.2	J	mg/kg	0.26	0.02	1	08/16/10 18:30	08/18/10 16:02	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.52	0.04	1	08/16/10 18:30	08/18/10 16:02	EPA 3050B	1,6010B	MG
Calcium, Total	450		mg/kg	5.2	0.94	1	08/16/10 18:30	08/18/10 16:02	EPA 3050B	1,6010B	MG
Chromium, Total	5.4		mg/kg	0.52	0.06	1	08/16/10 18:30	08/18/10 16:02	EPA 3050B	1,6010B	MG
Cobalt, Total	1.6		mg/kg	1.0	0.18	1	08/16/10 18:30	08/18/10 16:02	EPA 3050B	1,6010B	MG
Copper, Total	4.1		mg/kg	0.52	0.06	1	08/16/10 18:30	08/18/10 16:02	EPA 3050B	1,6010B	MG
Iron, Total	6300		mg/kg	2.6	0.92	1	08/16/10 18:30	08/18/10 16:02	EPA 3050B	1,6010B	MG
Lead, Total	4.8		mg/kg	2.6	0.07	1	08/16/10 18:30	08/18/10 16:02	EPA 3050B	1,6010B	MG
Magnesium, Total	1200		mg/kg	5.2	0.60	1	08/16/10 18:30	08/18/10 16:02	EPA 3050B	1,6010B	ML
Manganese, Total	310		mg/kg	0.52	0.02	1	08/16/10 18:30	08/18/10 16:02	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.11	0.02	1	08/16/10 14:36	08/17/10 13:55	EPA 7471A	1,7471A	EZ
Nickel, Total	5.9		mg/kg	1.3	0.08	1	08/16/10 18:30	08/18/10 16:02	EPA 3050B	1,6010B	MG
Potassium, Total	270		mg/kg	130	46.	1	08/16/10 18:30	08/18/10 16:02	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	1.0	0.14	1	08/16/10 18:30	08/18/10 16:02	EPA 3050B	1,6010B	MG
Silver, Total	0.033	J	mg/kg	0.52	0.03	1	08/16/10 18:30	08/18/10 16:02	EPA 3050B	1,6010B	MG
Sodium, Total	41	J	mg/kg	100	28.	1	08/16/10 18:30	08/18/10 16:02	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	1.0	0.31	1	08/16/10 18:30	08/18/10 16:02	EPA 3050B	1,6010B	MG
Vanadium, Total	4.0		mg/kg	0.52	0.13	1	08/16/10 18:30	08/18/10 16:02	EPA 3050B	1,6010B	MG
Zinc, Total	9.7		mg/kg	2.6	0.08	1	08/16/10 18:30	08/18/10 16:02	EPA 3050B	1,6010B	MG



Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012496
Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012496-14
Client ID: SP-10-15-055
Sample Location: DEVENS, MA
Matrix: Soil
Percent Solids: 91%

Date Collected: 08/12/10 11:03
Date Received: 08/12/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3600		mg/kg	4.4	1.3	1	08/16/10 18:30	08/18/10 16:07	EPA 3050B	1,6010B	MG
Antimony, Total	0.26	J	mg/kg	2.2	0.19	1	08/16/10 18:30	08/18/10 16:07	EPA 3050B	1,6010B	MG
Arsenic, Total	58		mg/kg	0.44	0.09	1	08/16/10 18:30	08/18/10 16:07	EPA 3050B	1,6010B	MG
Barium, Total	14		mg/kg	0.44	0.05	1	08/16/10 18:30	08/18/10 16:07	EPA 3050B	1,6010B	MG
Beryllium, Total	0.78		mg/kg	0.22	0.01	1	08/16/10 18:30	08/18/10 16:07	EPA 3050B	1,6010B	MG
Cadmium, Total	0.19	J	mg/kg	0.44	0.04	1	08/16/10 18:30	08/18/10 16:07	EPA 3050B	1,6010B	MG
Calcium, Total	1500		mg/kg	4.4	0.80	1	08/16/10 18:30	08/18/10 16:07	EPA 3050B	1,6010B	MG
Chromium, Total	4.4		mg/kg	0.44	0.05	1	08/16/10 18:30	08/18/10 16:07	EPA 3050B	1,6010B	MG
Cobalt, Total	1.6		mg/kg	0.88	0.16	1	08/16/10 18:30	08/18/10 16:07	EPA 3050B	1,6010B	MG
Copper, Total	4.3		mg/kg	0.44	0.05	1	08/16/10 18:30	08/18/10 16:07	EPA 3050B	1,6010B	MG
Iron, Total	4100		mg/kg	2.2	0.78	1	08/16/10 18:30	08/18/10 16:07	EPA 3050B	1,6010B	MG
Lead, Total	21		mg/kg	2.2	0.06	1	08/16/10 18:30	08/18/10 16:07	EPA 3050B	1,6010B	MG
Magnesium, Total	590		mg/kg	4.4	0.51	1	08/16/10 18:30	08/18/10 16:07	EPA 3050B	1,6010B	MG
Manganese, Total	680		mg/kg	0.44	0.02	1	08/16/10 18:30	08/18/10 16:07	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/16/10 14:36	08/17/10 13:57	EPA 7471A	1,7471A	EZ
Nickel, Total	2.5		mg/kg	1.1	0.07	1	08/16/10 18:30	08/18/10 16:07	EPA 3050B	1,6010B	MG
Potassium, Total	1200		mg/kg	110	39	1	08/16/10 18:30	08/18/10 16:07	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	0.88	0.12	1	08/16/10 18:30	08/18/10 16:07	EPA 3050B	1,6010B	MG
Silver, Total	1.2		mg/kg	0.44	0.03	1	08/16/10 18:30	08/18/10 16:07	EPA 3050B	1,6010B	MG
Sodium, Total	220		mg/kg	88	24	1	08/16/10 18:30	08/18/10 16:07	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.88	0.26	1	08/16/10 18:30	08/18/10 16:07	EPA 3050B	1,6010B	MG
Vanadium, Total	2.2		mg/kg	0.44	0.11	1	08/16/10 18:30	08/18/10 16:07	EPA 3050B	1,6010B	MG
Zinc, Total	48		mg/kg	2.2	0.07	1	08/16/10 18:30	08/18/10 16:07	EPA 3050B	1,6010B	MG



Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012496

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012496-15
 Client ID: SDUP6-081210
 Sample Location: DEVENS, MA
 Matrix: Soil
 Percent Solids: 76%

Date Collected: 08/12/10 10:50
 Date Received: 08/12/10
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5800		mg/kg	5.3	1.6	1	08/16/10 18:30	08/18/10 16:37	EPA 3050B	1,6010B	MG
Antimony, Total	2.5	J	mg/kg	2.6	0.23	1	08/16/10 18:30	08/18/10 16:37	EPA 3050B	1,6010B	MG
Arsenic, Total	18		mg/kg	0.53	0.10	1	08/16/10 18:30	08/18/10 16:37	EPA 3050B	1,6010B	MG
Barium, Total	140		mg/kg	0.53	0.06	1	08/16/10 18:30	08/18/10 16:37	EPA 3050B	1,6010B	MG
Beryllium, Total	0.54		mg/kg	0.26	0.02	1	08/16/10 18:30	08/18/10 16:37	EPA 3050B	1,6010B	MG
Cadmium, Total	0.26	J	mg/kg	0.53	0.04	1	08/16/10 18:30	08/18/10 16:37	EPA 3050B	1,6010B	MG
Calcium, Total	5600		mg/kg	5.3	0.95	1	08/16/10 18:30	08/18/10 16:37	EPA 3050B	1,6010B	MG
Chromium, Total	36		mg/kg	0.53	0.06	1	08/16/10 18:30	08/18/10 16:37	EPA 3050B	1,6010B	MG
Cobalt, Total	6.1		mg/kg	1.0	0.19	1	08/16/10 18:30	08/18/10 16:37	EPA 3050B	1,6010B	MG
Copper, Total	41		mg/kg	0.53	0.06	1	08/16/10 18:30	08/18/10 16:37	EPA 3050B	1,6010B	MG
Iron, Total	23000		mg/kg	2.6	0.94	1	08/16/10 18:30	08/18/10 16:37	EPA 3050B	1,6010B	MG
Lead, Total	390		mg/kg	2.6	0.07	1	08/16/10 18:30	08/18/10 16:37	EPA 3050B	1,6010B	MG
Magnesium, Total	2600		mg/kg	5.3	0.61	1	08/16/10 18:30	08/18/10 16:37	EPA 3050B	1,6010B	MC
Manganese, Total	240		mg/kg	0.53	0.02	1	08/16/10 18:30	08/18/10 16:37	EPA 3050B	1,6010B	MG
Mercury, Total	0.15		mg/kg	0.09	0.02	1	08/16/10 14:36	08/17/10 13:58	EPA 7471A	1,7471A	EZ
Nickel, Total	23		mg/kg	1.3	0.08	1	08/16/10 18:30	08/18/10 16:37	EPA 3050B	1,6010B	MG
Potassium, Total	930		mg/kg	130	47	1	08/16/10 18:30	08/18/10 16:37	EPA 3050B	1,6010B	MG
Selenium, Total	0.44	J	mg/kg	1.0	0.15	1	08/16/10 18:30	08/18/10 16:37	EPA 3050B	1,6010B	MG
Silver, Total	0.72		mg/kg	0.53	0.03	1	08/16/10 18:30	08/18/10 16:37	EPA 3050B	1,6010B	MG
Sodium, Total	210		mg/kg	100	29	1	08/16/10 18:30	08/18/10 16:37	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	1.0	0.32	1	08/16/10 18:30	08/18/10 16:37	EPA 3050B	1,6010B	MG
Vanadium, Total	30		mg/kg	0.53	0.13	1	08/16/10 18:30	08/18/10 16:37	EPA 3050B	1,6010B	MG
Zinc, Total	380		mg/kg	2.6	0.08	1	08/16/10 18:30	08/18/10 16:37	EPA 3050B	1,6010B	MG

Project Name: SHL TASK 0002

Lab Number: L1012496

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012496-16
 Client ID: SDUP7-081210
 Sample Location: DEVENS, MA
 Matrix: Soil
 Percent Solids: 80%

Date Collected: 08/12/10 10:55
 Date Received: 08/12/10
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3000		mg/kg	5.0	1.5	1	08/16/10 18:30	08/18/10 16:42	EPA 3050B	1,6010B	MG
Antimony, Total	0.25	J	mg/kg	2.5	0.22	1	08/16/10 18:30	08/18/10 16:42	EPA 3050B	1,6010B	MG
Arsenic, Total	22		mg/kg	0.50	0.10	1	08/16/10 18:30	08/18/10 16:42	EPA 3050B	1,6010B	MG
Barium, Total	7.0		mg/kg	0.50	0.06	1	08/16/10 18:30	08/18/10 16:42	EPA 3050B	1,6010B	MG
Beryllium, Total	0.29		mg/kg	0.25	0.02	1	08/16/10 18:30	08/18/10 16:42	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.50	0.04	1	08/16/10 18:30	08/18/10 16:42	EPA 3050B	1,6010B	MG
Calcium, Total	490		mg/kg	5.0	0.91	1	08/16/10 18:30	08/18/10 16:42	EPA 3050B	1,6010B	MG
Chromium, Total	5.0		mg/kg	0.50	0.06	1	08/16/10 18:30	08/18/10 16:42	EPA 3050B	1,6010B	MG
Cobalt, Total	1.9		mg/kg	1.0	0.18	1	08/16/10 18:30	08/18/10 16:42	EPA 3050B	1,6010B	MG
Copper, Total	4.4		mg/kg	0.50	0.06	1	08/16/10 18:30	08/18/10 16:42	EPA 3050B	1,6010B	MG
Iron, Total	5600		mg/kg	2.5	0.89	1	08/16/10 18:30	08/18/10 16:42	EPA 3050B	1,6010B	MG
Lead, Total	4.6		mg/kg	2.5	0.07	1	08/16/10 18:30	08/18/10 16:42	EPA 3050B	1,6010B	MG
Magnesium, Total	1100		mg/kg	5.0	0.58	1	08/16/10 18:30	08/18/10 16:42	EPA 3050B	1,6010B	MG
Manganese, Total	50		mg/kg	0.50	0.02	1	08/16/10 18:30	08/18/10 16:42	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/16/10 14:36	08/17/10 14:00	EPA 7471A	1,7471A	EZ
Nickel, Total	6.3		mg/kg	1.2	0.08	1	08/16/10 18:30	08/18/10 16:42	EPA 3050B	1,6010B	MG
Potassium, Total	350		mg/kg	120	44.	1	08/16/10 18:30	08/18/10 16:42	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	1.0	0.14	1	08/16/10 18:30	08/18/10 16:42	EPA 3050B	1,6010B	MG
Silver, Total	0.074	J	mg/kg	0.50	0.03	1	08/16/10 18:30	08/18/10 16:42	EPA 3050B	1,6010B	MG
Sodium, Total	40	J	mg/kg	100	28.	1	08/16/10 18:30	08/18/10 16:42	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	1.0	0.30	1	08/16/10 18:30	08/18/10 16:42	EPA 3050B	1,6010B	MG
Vanadium, Total	4.6		mg/kg	0.50	0.12	1	08/16/10 18:30	08/18/10 16:42	EPA 3050B	1,6010B	MG
Zinc, Total	11		mg/kg	2.5	0.08	1	08/16/10 18:30	08/18/10 16:42	EPA 3050B	1,6010B	MG

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012496

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012496-17
 Client ID: RB2-081210-U
 Sample Location: DEVENS, MA
 Matrix: Water

Date Collected: 08/12/10 11:15
 Date Received: 08/12/10
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		ug/l	10.0	1.91	1	08/14/10 14:45	08/19/10 02:35	EPA 3005A	1,6020A	BM
Antimony, Total	0.43	J	ug/l	0.500	0.120	1	08/14/10 14:45	08/19/10 02:35	EPA 3005A	1,6020A	BM
Arsenic, Total	0.14	J	ug/l	0.500	0.113	1	08/14/10 14:45	08/19/10 02:35	EPA 3005A	1,6020A	BM
Barium, Total	0.14	J	ug/l	0.500	0.095	1	08/14/10 14:45	08/19/10 02:35	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		ug/l	0.500	0.059	1	08/14/10 14:45	08/19/10 02:35	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		ug/l	0.500	0.059	1	08/14/10 14:45	08/19/10 02:35	EPA 3005A	1,6020A	BM
Calcium, Total	28.3	J	ug/l	100	12.6	1	08/14/10 14:45	08/19/10 02:35	EPA 3005A	1,6020A	BM
Chromium, Total	0.2	J	ug/l	0.500	0.186	1	08/14/10 14:45	08/19/10 02:35	EPA 3005A	1,6020A	BM
Cobalt, Total	ND		ug/l	0.500	0.053	1	08/14/10 14:45	08/19/10 02:35	EPA 3005A	1,6020A	BM
Copper, Total	0.14	J	ug/l	0.500	0.118	1	08/14/10 14:45	08/19/10 02:35	EPA 3005A	1,6020A	BM
Iron, Total	ND		ug/l	50.0	8.41	1	08/14/10 14:45	08/19/10 02:35	EPA 3005A	1,6020A	BM
Lead, Total	ND		ug/l	0.500	0.050	1	08/14/10 14:45	08/19/10 02:35	EPA 3005A	1,6020A	BM
Magnesium, Total	ND		ug/l	100	4.10	1	08/14/10 14:45	08/19/10 02:35	EPA 3005A	1,6020A	BM
Manganese, Total	ND		ug/l	1.00	0.136	1	08/14/10 14:45	08/19/10 02:35	EPA 3005A	1,6020A	BM
Mercury, Total	0.05228	J	ug/l	0.2000	0.0120	1	08/16/10 17:31	08/17/10 11:23	EPA 7470A	1,7470A	EZ
Nickel, Total	ND		ug/l	0.500	0.180	1	08/14/10 14:45	08/19/10 02:35	EPA 3005A	1,6020A	BM
Potassium, Total	ND		ug/l	100	18.2	1	08/14/10 14:45	08/19/10 02:35	EPA 3005A	1,6020A	BM
Selenium, Total	ND		ug/l	1.00	0.406	1	08/14/10 14:45	08/19/10 02:35	EPA 3005A	1,6020A	BM
Silver, Total	ND		ug/l	0.500	0.085	1	08/14/10 14:45	08/19/10 02:35	EPA 3005A	1,6020A	BM
Sodium, Total	142		ug/l	100	18.2	1	08/14/10 14:45	08/19/10 02:35	EPA 3005A	1,6020A	BM
Thallium, Total	ND		ug/l	0.500	0.031	1	08/14/10 14:45	08/19/10 02:35	EPA 3005A	1,6020A	BM
Vanadium, Total	ND		ug/l	0.500	0.077	1	08/14/10 14:45	08/19/10 02:35	EPA 3005A	1,6020A	BM
Zinc, Total	ND		ug/l	5.00	1.62	1	08/14/10 14:45	08/19/10 02:35	EPA 3005A	1,6020A	BM



Project Name: SHL TASK 0002

Lab Number: L1012496

Project Number: AC001

Report Date: 08/31/10

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 17 Batch: WG427701-1										
Aluminum, Total	ND		ug/l	10.0	1.91	1	08/14/10 14:45	08/19/10 01:28	1,6020A	BM
Antimony, Total	ND		ug/l	0.500	0.120	1	08/14/10 14:45	08/19/10 01:28	1,6020A	BM
Arsenic, Total	0.13	J	ug/l	0.500	0.113	1	08/14/10 14:45	08/19/10 01:28	1,6020A	BM
Barium, Total	ND		ug/l	0.500	0.095	1	08/14/10 14:45	08/19/10 01:28	1,6020A	BM
Beryllium, Total	ND		ug/l	0.500	0.059	1	08/14/10 14:45	08/19/10 01:28	1,6020A	BM
Cadmium, Total	ND		ug/l	0.500	0.059	1	08/14/10 14:45	08/19/10 01:28	1,6020A	BM
Calcium, Total	ND		ug/l	100	12.6	1	08/14/10 14:45	08/19/10 01:28	1,6020A	BM
Chromium, Total	ND		ug/l	0.500	0.186	1	08/14/10 14:45	08/19/10 01:28	1,6020A	BM
Cobalt, Total	ND		ug/l	0.500	0.053	1	08/14/10 14:45	08/19/10 01:28	1,6020A	BM
Copper, Total	0.12	J	ug/l	0.500	0.118	1	08/14/10 14:45	08/19/10 01:28	1,6020A	BM
Iron, Total	ND		ug/l	50.0	8.41	1	08/14/10 14:45	08/19/10 01:28	1,6020A	BM
Lead, Total	ND		ug/l	0.500	0.050	1	08/14/10 14:45	08/19/10 01:28	1,6020A	BM
Magnesium, Total	ND		ug/l	100	4.10	1	08/14/10 14:45	08/19/10 01:28	1,6020A	BM
Manganese, Total	ND		ug/l	1.00	0.136	1	08/14/10 14:45	08/19/10 01:28	1,6020A	BM
Nickel, Total	ND		ug/l	0.500	0.180	1	08/14/10 14:45	08/19/10 01:28	1,6020A	BM
Potassium, Total	30.4	J	ug/l	100	18.2	1	08/14/10 14:45	08/19/10 01:28	1,6020A	BM
Selenium, Total	ND		ug/l	1.00	0.406	1	08/14/10 14:45	08/19/10 01:28	1,6020A	BM
Silver, Total	0.24	J	ug/l	0.500	0.085	1	08/14/10 14:45	08/19/10 01:28	1,6020A	BM
Sodium, Total	ND		ug/l	100	18.2	1	08/14/10 14:45	08/19/10 01:28	1,6020A	BM
Thallium, Total	ND		ug/l	0.500	0.031	1	08/14/10 14:45	08/19/10 01:28	1,6020A	BM
Vanadium, Total	ND		ug/l	0.500	0.077	1	08/14/10 14:45	08/19/10 01:28	1,6020A	BM
Zinc, Total	ND		ug/l	5.00	1.62	1	08/14/10 14:45	08/19/10 01:28	1,6020A	BM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-16 Batch: WG427860-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/16/10 14:36	08/17/10 13:26	1,7471A	EZ

Project Name: SHL TASK 0002

Lab Number: L1012496

Project Number: AC001

Report Date: 08/31/10

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 17 Batch: WG427872-1										
Mercury, Total	ND		ug/l	0.2000	0.0120	1	08/16/10 17:31	08/17/10 11:20	1,7470A	EZ

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-16 Batch: WG427885-1										
Aluminum, Total	ND		mg/kg	4.0	1.2	1	08/16/10 18:30	08/18/10 13:58	1,6010B	MG
Antimony, Total	0.22	J	mg/kg	2.0	0.17	1	08/16/10 18:30	08/18/10 13:58	1,6010B	MG
Arsenic, Total	ND		mg/kg	0.40	0.08	1	08/16/10 18:30	08/18/10 13:58	1,6010B	MG
Barium, Total	ND		mg/kg	0.40	0.05	1	08/16/10 18:30	08/18/10 13:58	1,6010B	MG
Beryllium, Total	ND		mg/kg	0.20	0.01	1	08/16/10 18:30	08/18/10 13:58	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	08/16/10 18:30	08/18/10 13:58	1,6010B	MG
Calcium, Total	ND		mg/kg	4.0	0.72	1	08/16/10 18:30	08/18/10 13:58	1,6010B	MG
Chromium, Total	ND		mg/kg	0.40	0.04	1	08/16/10 18:30	08/18/10 13:58	1,6010B	MG
Cobalt, Total	ND		mg/kg	0.80	0.14	1	08/16/10 18:30	08/18/10 13:58	1,6010B	MG
Copper, Total	ND		mg/kg	0.40	0.04	1	08/16/10 18:30	08/18/10 13:58	1,6010B	MG
Iron, Total	ND		mg/kg	2.0	0.71	1	08/16/10 18:30	08/18/10 13:58	1,6010B	MG
Lead, Total	ND		mg/kg	2.0	0.05	1	08/16/10 18:30	08/18/10 13:58	1,6010B	MG
Magnesium, Total	ND		mg/kg	4.0	0.46	1	08/16/10 18:30	08/18/10 13:58	1,6010B	MG
Manganese, Total	ND		mg/kg	0.40	0.02	1	08/16/10 18:30	08/18/10 13:58	1,6010B	MG
Nickel, Total	ND		mg/kg	1.0	0.06	1	08/16/10 18:30	08/18/10 13:58	1,6010B	MG
Potassium, Total	ND		mg/kg	100	35.	1	08/16/10 18:30	08/18/10 13:58	1,6010B	MG
Selenium, Total	ND		mg/kg	0.80	0.11	1	08/16/10 18:30	08/18/10 13:58	1,6010B	MG
Silver, Total	0.081	J	mg/kg	0.40	0.02	1	08/16/10 18:30	08/18/10 13:58	1,6010B	MG
Sodium, Total	24	J	mg/kg	80	22.	1	08/16/10 18:30	08/18/10 13:58	1,6010B	MG
Thallium, Total	ND		mg/kg	0.80	0.24	1	08/16/10 18:30	08/18/10 13:58	1,6010B	MG
Vanadium, Total	ND		mg/kg	0.40	0.10	1	08/16/10 18:30	08/18/10 13:58	1,6010B	MG

Project Name: SHL TASK 0002

Lab Number: L1012496

Project Number: AC001

Report Date: 08/31/10

**Method Blank Analysis
Batch Quality Control**

Zinc, Total	ND	mg/kg	2.0	0.06	1	08/16/10 18:30	08/18/10 13:58	1,6010B	MG
-------------	----	-------	-----	------	---	----------------	----------------	---------	----

Prep Information

Digestion Method: EPA 3050B



Lab Control Sample Analysis

Batch Quality Control

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012496

Report Date: 08/31/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 17 Batch: WG427701-2								
Aluminum, Total	91		-		80-120	-		
Antimony, Total	97		-		80-120	-		
Arsenic, Total	98		-		80-120	-		
Barium, Total	96		-		80-120	-		
Beryllium, Total	102		-		80-120	-		
Cadmium, Total	107		-		80-120	-		
Calcium, Total	104		-		80-120	-		
Chromium, Total	94		-		80-120	-		
Cobalt, Total	100		-		80-120	-		
Copper, Total	101		-		80-120	-		
Iron, Total	103		-		80-120	-		
Lead, Total	100		-		80-120	-		
Magnesium, Total	98		-		80-120	-		
Manganese, Total	100		-		80-120	-		
Nickel, Total	100		-		80-120	-		
Potassium, Total	99		-		80-120	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	96		-		80-120	-		
Sodium, Total	105		-		80-120	-		
Thallium, Total	93		-		80-120	-		
Vanadium, Total	98		-		80-120	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012496

Report Date: 08/31/10

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 17 Batch: WG427701-2					
Zinc, Total	102	-	80-120	-	
Total Metals - Westborough Lab Associated sample(s): 01-16 Batch: WG427860-2					
Mercury, Total	111	-	80-120	-	20
Total Metals - Westborough Lab Associated sample(s): 17 Batch: WG427872-2					
Mercury, Total	112	-	80-120	-	20

Lab Control Sample Analysis Batch Quality Control

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012496

Report Date: 08/31/10

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-16 Batch: WG427885-2					
Aluminum, Total	95	-	80-120	-	
Antimony, Total	99	-	80-120	-	
Arsenic, Total	103	-	80-120	-	
Barium, Total	97	-	80-120	-	
Beryllium, Total	104	-	80-120	-	
Cadmium, Total	102	-	80-120	-	
Calcium, Total	94	-	80-120	-	
Chromium, Total	97	-	80-120	-	
Cobalt, Total	94	-	80-120	-	
Copper, Total	98	-	80-120	-	
Iron, Total	116	-	80-120	-	
Lead, Total	97	-	80-120	-	
Magnesium, Total	97	-	80-120	-	
Manganese, Total	99	-	80-120	-	
Nickel, Total	94	-	80-120	-	
Potassium, Total	87	-	80-120	-	
Selenium, Total	97	-	80-120	-	
Silver, Total	107	-	75-120	-	
Sodium, Total	102	-	80-120	-	
Thallium, Total	97	-	80-120	-	
Vanadium, Total	99	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** SHL TASK 0002**Project Number:** AC001**Lab Number:** L1012496**Report Date:** 08/31/10

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-16 Batch: WG427885-2					
Zinc, Total	94		80-120		

Matrix Spike Analysis Batch Quality Control

Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012496
Report Date: 08/31/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 17 QC Batch ID: WG427701-4 QC Sample: L1012496-17 Client ID: RB2-081210-U												
Aluminum, Total	ND	2000	1800	90	-	-	-	-	80-120	-	-	20
Antimony, Total	ND	500	456	91	-	-	-	-	80-120	-	-	20
Arsenic, Total	ND	120	113	94	-	-	-	-	80-120	-	-	20
Barium, Total	ND	2000	1830	92	-	-	-	-	80-120	-	-	20
Beryllium, Total	ND	50	49.1	98	-	-	-	-	80-120	-	-	20
Cadmium, Total	ND	51	51.6	101	-	-	-	-	80-120	-	-	20
Calcium, Total	ND	10000	10200	102	-	-	-	-	80-120	-	-	20
Chromium, Total	ND	200	186	93	-	-	-	-	80-120	-	-	20
Cobalt, Total	ND	500	502	100	-	-	-	-	80-120	-	-	20
Copper, Total	ND	250	253	101	-	-	-	-	80-120	-	-	20
Iron, Total	ND	1000	1020	102	-	-	-	-	80-120	-	-	20
Lead, Total	ND	510	497	97	-	-	-	-	80-120	-	-	20
Magnesium, Total	ND	10000	9850	98	-	-	-	-	80-120	-	-	20
Manganese, Total	ND	500	497	99	-	-	-	-	80-120	-	-	20
Nickel, Total	ND	500	493	99	-	-	-	-	80-120	-	-	20
Potassium, Total	ND	10000	9780	98	-	-	-	-	80-120	-	-	20
Selenium, Total	ND	120	117	98	-	-	-	-	80-120	-	-	20
Silver, Total	ND	50	45.2	90	-	-	-	-	80-120	-	-	20
Sodium, Total	142	10000	10300	102	-	-	-	-	80-120	-	-	20
Thallium, Total	ND	120	108	90	-	-	-	-	80-120	-	-	20
Vanadium, Total	ND	500	487	97	-	-	-	-	80-120	-	-	20

Matrix Spike Analysis Batch Quality Control

Project Name: SHL TASK 0002

Lab Number: L1012496

Project Number: AC001

Report Date: 08/31/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 17 QC Batch ID: WG427701-4 QC Sample: L1012496-17 Client ID: RB2-081210-U									
Zinc, Total	ND	500	493	99	-	-	80-120	-	20
Total Metals - Westborough Lab Associated sample(s): 01-16 QC Batch ID: WG427860-3 WG427860-4 QC Sample: L1012496-11 Client ID: SP-10-15-030									
Mercury, Total	ND	0.202	0.19	94	0.19	98	80-120	0	20
Total Metals - Westborough Lab Associated sample(s): 17 QC Batch ID: WG427872-4 QC Sample: L1012496-17 Client ID: RB2-081210-U									
Mercury, Total	ND	1	1.383	138	Q	-	80-120	-	20

Matrix Spike Analysis Batch Quality Control

Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012496
Report Date: 08/31/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-16 QC Batch ID: WG427885-3 WG427885-4 QC Sample: L1012496-11 Client ID: SP-10-15-030									
Aluminum, Total	3600	102	3800	196	3400	0	80-120	11	20
Antimony, Total	ND	25.5	19	74	19	74	80-120	0	20
Arsenic, Total	39	6.12	39	0	36	0	80-120	8	20
Barium, Total	7.6	102	100	90	100	90	80-120	0	20
Beryllium, Total	0.32	2.55	2.9	101	2.9	101	80-120	0	20
Cadmium, Total	ND	2.6	2.5	96	2.5	96	80-120	0	20
Calcium, Total	390	510	830	86	920	103	80-120	10	20
Chromium, Total	7.0	10.2	16	88	15	78	80-120	6	20
Cobalt, Total	2.3	25.5	26	93	26	92	80-120	0	20
Copper, Total	5.6	12.7	18	97	17	89	80-120	6	20
Iron, Total	7800	51	6900	0	6300	0	80-120	9	20
Lead, Total	5.8	26	30	93	30	93	80-120	0	20
Magnesium, Total	1400	510	2000	118	1700	58	80-120	16	20
Manganese, Total	64	25.5	89	98	79	58	80-120	12	20
Nickel, Total	7.8	25.5	31	91	30	87	80-120	3	20
Potassium, Total	360	510	840	94	850	96	80-120	1	20
Selenium, Total	ND	6.12	6.0	98	6.2	101	80-120	3	20
Silver, Total	ND	15.3	16	104	16	104	75-120	0	20
Sodium, Total	ND	510	570	112	580	113	80-120	2	20
Thallium, Total	ND	6.12	5.5	90	5.7	93	80-120	4	20
Vanadium, Total	5.6	25.5	30	96	29	91	80-120	3	20

Matrix Spike Analysis
Batch Quality Control**Project Name:** SHL TASK 0002**Project Number:** AC001**Lab Number:** L1012496**Report Date:** 08/31/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-16 QC Batch ID: WG427885-3 WG427885-4 QC Sample: L1012496-11 Client ID: SP-10-15-030									
Zinc, Total	13	25.5	36	90	35	86	80-120	3	20

Project Name: SHL TASK 0002

Project Number: AC001

Lab Duplicate Analysis Batch Quality Control

Lab Number: L1012496

Report Date: 08/31/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 17 QC Batch ID: WG427701-3 QC Sample: L1012496-17 Client ID: RB2-081210-U						
Aluminum, Total	ND	ND	ug/l	NC		20
Antimony, Total	0.43J	0.25J	ug/l	NC		20
Arsenic, Total	0.14J	0.12J	ug/l	NC		20
Barium, Total	0.14J	0.12J	ug/l	NC		20
Beryllium, Total	ND	ND	ug/l	NC		20
Cadmium, Total	ND	ND	ug/l	NC		20
Calcium, Total	28.3J	20.1J	ug/l	NC		20
Chromium, Total	0.2J	0.2J	ug/l	NC		20
Cobalt, Total	ND	ND	ug/l	NC		20
Copper, Total	0.14J	0.19J	ug/l	NC		20
Iron, Total	ND	ND	ug/l	NC		20
Lead, Total	ND	ND	ug/l	NC		20
Magnesium, Total	ND	ND	ug/l	NC		20
Manganese, Total	ND	ND	ug/l	NC		20
Nickel, Total	ND	ND	ug/l	NC		20
Potassium, Total	ND	ND	ug/l	NC		20
Selenium, Total	ND	ND	ug/l	NC		20
Silver, Total	ND	ND	ug/l	NC		20
Sodium, Total	142.	134	ug/l	6		20

Project Name: SHL TASK 0002

Project Number: AC001

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1012496

Report Date: 08/31/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 17 QC Batch ID: WG427701-3 QC Sample: L1012496-17 Client ID: RB2-081210-U					
Thallium, Total	ND	ND	ug/l	NC	20
Vanadium, Total	ND	ND	ug/l	NC	20
Zinc, Total	ND	ND	ug/l	NC	20
Total Metals - Westborough Lab Associated sample(s): 17 QC Batch ID: WG427872-3 QC Sample: L1012496-17 Client ID: RB2-081210-U					
Mercury, Total	0.05228J	0.06709J	ug/l	NC	20

INORGANICS & MISCELLANEOUS

Project Name: SHL TASK 0002

Lab Number: L1012496

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012496-01

Date Collected: 08/12/10 10:30

Client ID: SP-10-15-001

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	0.034		%	0.010	0.010	1	-	08/20/10 07:48	1,9060	NR
Total Organic Carbon (Rep2)	0.027		%	0.010	0.010	1	-	08/20/10 07:48	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	99		%	0.10	NA	1	-	08/13/10 15:40	30,2540G	AC

Project Name: SHL TASK 0002

Lab Number: L1012496

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012496-02

Date Collected: 08/12/10 10:33

Client ID: SP-10-15-004

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	1.50		%	0.010	0.010	1	-	08/20/10 07:48	1,9060	NR
Total Organic Carbon (Rep2)	1.81		%	0.010	0.010	1	-	08/20/10 07:48	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	96		%	0.10	NA	1	-	08/13/10 15:40	30,2540G	AC

Project Name: SHL TASK 0002

Lab Number: L1012496

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012496-03

Date Collected: 08/12/10 10:35

Client ID: SP-10-15-005

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	0.742		%	0.010	0.010	1	-	08/20/10 07:48	1,9060	NR
Total Organic Carbon (Rep2)	0.618		%	0.010	0.010	1	-	08/20/10 07:48	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	98		%	0.10	NA	1	-	08/13/10 15:40	30,2540G	AC

Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012496
Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012496-04
Client ID: SP-10-15-010
Sample Location: DEVENS, MA
Matrix: Soil

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	1.24		%	0.010	0.010	1	-	08/21/10 06:20	1,9060	NR
Total Organic Carbon (Rep2)	1.53		%	0.010	0.010	1	-	08/21/10 06:20	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	83		%	0.10	NA	1	-	08/13/10 15:40	30,2540G	AC

Project Name: SHL TASK 0002

Lab Number: L1012496

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012496-05

Date Collected: 08/12/10 10:40

Client ID: SP-10-15-015

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	0.341		%	0.010	0.010	1	-	08/21/10 06:20	1,9060	NR
Total Organic Carbon (Rep2)	0.499		%	0.010	0.010	1	-	08/21/10 06:20	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	80		%	0.10	NA	1	-	08/13/10 15:40	30,2540G	AC

Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012496
Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012496-06
Client ID: SP-10-15-017
Sample Location: DEVENS, MA
Matrix: Soil

Date Collected: 08/12/10 10:42
Date Received: 08/12/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	1.52		%	0.010	0.010	1	-	08/21/10 06:20	1,9060	NR
Total Organic Carbon (Rep2)	2.45		%	0.010	0.010	1	-	08/21/10 06:20	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	93		%	0.10	NA	1	-	08/13/10 15:40	30,2540G	AC

Project Name: SHL TASK 0002

Lab Number: L1012496

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012496-07

Date Collected: 08/12/10 10:45

Client ID: SP-10-15-018

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	9.38		%	0.010	0.010	1	-	08/21/10 06:20	1,9060	NR
Total Organic Carbon (Rep2)	7.54		%	0.010	0.010	1	-	08/21/10 06:20	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	65		%	0.10	NA	1	-	08/13/10 15:40	30,2540G	AC



Project Name: SHL TASK 0002

Lab Number: L1012496

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012496-08

Date Collected: 08/12/10 10:48

Client ID: SP-10-15-020

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	4.47		%	0.010	0.010	1	-	08/21/10 06:20	1,9060	NR
Total Organic Carbon (Rep2)	7.27		%	0.010	0.010	1	-	08/21/10 06:20	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	88		%	0.10	NA	1	-	08/13/10 15:40	30,2540G	AC

Project Name: SHL TASK 0002

Lab Number: L1012496

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012496-09

Date Collected: 08/12/10 10:50

Client ID: SP-10-15-025

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	5.45		%	0.010	0.010	1	-	08/21/10 06:20	1,9060	NR
Total Organic Carbon (Rep2)	4.80		%	0.010	0.010	1	-	08/21/10 06:20	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	76		%	0.10	NA	1	-	08/13/10 15:40	30,2540G	AC

Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012496
Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012496-10
Client ID: SP-10-15-028
Sample Location: DEVENS, MA
Matrix: Soil

Date Collected: 08/12/10 10:53
Date Received: 08/12/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	0.473		%	0.010	0.010	1	-	08/21/10 06:20	1,9060	NR
Total Organic Carbon (Rep2)	0.358		%	0.010	0.010	1	-	08/21/10 06:20	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	80		%	0.10	NA	1	-	08/13/10 15:40	30,2540G	AC

Project Name: SHL TASK 0002

Lab Number: L1012496

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012496-11

Date Collected: 08/12/10 10:55

Client ID: SP-10-15-030

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	0.188		%	0.010	0.010	1	-	08/21/10 06:20	1,9060	NR
Total Organic Carbon (Rep2)	0.038		%	0.010	0.010	1	-	08/21/10 06:20	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	78		%	0.10	NA	1	-	08/13/10 15:40	30,2540G	AC

Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012496
Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012496-12
Client ID: SP-10-15-035
Sample Location: DEVENS, MA
Matrix: Soil

Date Collected: 08/12/10 10:57
Date Received: 08/12/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	0.111		%	0.010	0.010	1	-	08/21/10 06:20	1,9060	NR
Total Organic Carbon (Rep2)	0.074		%	0.010	0.010	1	-	08/21/10 06:20	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	81		%	0.10	NA	1	-	08/13/10 15:40	30,2540G	AC



Project Name: SHL TASK 0002

Lab Number: L1012496

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012496-13

Date Collected: 08/12/10 11:00

Client ID: SP-10-15-040

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	0.056		%	0.010	0.010	1	-	08/21/10 06:20	1,9060	NR
Total Organic Carbon (Rep2)	0.026		%	0.010	0.010	1	-	08/21/10 06:20	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	77		%	0.10	NA	1	-	08/13/10 15:40	30,2540G	AC



Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012496
Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012496-14
Client ID: SP-10-15-055
Sample Location: DEVENS, MA
Matrix: Soil

Date Collected: 08/12/10 11:03
Date Received: 08/12/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	0.039		%	0.010	0.010	1	-	08/21/10 06:20	1,9060	NR
Total Organic Carbon (Rep2)	0.027		%	0.010	0.010	1	-	08/21/10 06:20	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	91		%	0.10	NA	1	-	08/13/10 15:40	30,2540G	AC

Project Name: SHL TASK 0002

Lab Number: L1012496

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012496-15

Date Collected: 08/12/10 10:50

Client ID: SDUP6-081210

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76		%	0.10	NA	1	-	08/13/10 15:40	30,2540G	AC

Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012496
Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012496-16
Client ID: SDUP7-081210
Sample Location: DEVENS, MA
Matrix: Soil

Date Collected: 08/12/10 10:55
Date Received: 08/12/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80		%	0.10	NA	1	-	08/13/10 15:40	30,2540G	AC



Project Name: SHL TASK 0002

Lab Number: L1012496

Project Number: AC001

Report Date: 08/31/10

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab for sample(s): 04-14 Batch: WG427740-1										
Total Organic Carbon (Rep1)	ND		%	0.010	0.010	1	-	08/21/10 06:20	1,9060	NR
Total Organic Carbon (Rep2)	ND		%	0.010	0.010	1	-	08/21/10 06:20	1,9060	NR
Total Organic Carbon - Mansfield Lab for sample(s): 01-03 Batch: WG429019-1										
Total Organic Carbon (Rep1)	ND		%	0.010	0.010	1	-	08/20/10 07:48	1,9060	NR
Total Organic Carbon (Rep2)	ND		%	0.010	0.010	1	-	08/20/10 07:48	1,9060	NR

Project Name: SHL TASK 0002

Project Number: AC001

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L1012496

Report Date: 08/31/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-16 QC Batch ID: WG427588-1 QC Sample: L1012496-01 Client ID: SP-10-15-001						
Solids, Total	99	99	%	0		20

Project Name: SHL TASK 0002

Lab Number: L1012496

Project Number: AC001

Report Date: 08/31/10

S.R.M. Standard Quality Control

Standard Reference Material (SRM): WG427740-2

Parameter	% Recovery	Qual	QC Criteria
Total Organic Carbon (Rep1)	119		75-125
Total Organic Carbon (Rep2)	111		75-125

Project Name: SHL TASK 0002

Lab Number: L1012496

Project Number: AC001

Report Date: 08/31/10

S.R.M. Standard Quality Control

Standard Reference Material (SRM): WG429019-2

Parameter	% Recovery	Qual	QC Criteria
Total Organic Carbon (Rep1)	103		75-125
Total Organic Carbon (Rep2)	116		75-125

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012496

Report Date: 08/31/10

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

A Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012496-01A	Amber 250ml unpreserved	A	N/A	4.4	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012496-01X	Glass 100ml unpreserved split	A	N/A	4.4	Y	Present/Intact	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Lab Number: L1012496

Project Number: AC001

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012496-02A	Amber 250ml unpreserved	A	N/A	4.4	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012496-02X	Glass 100ml unpreserved split	A	N/A	4.4	Y	Present/Intact	A2-TOC-9060-2REPS(28)
L1012496-03A	Amber 250ml unpreserved	A	N/A	4.4	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012496-03X	Glass 100ml unpreserved split	A	N/A	4.4	Y	Present/Intact	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Lab Number: L1012496

Project Number: AC001

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012496-04A	Amber 250ml unpreserved	A	N/A	4.4	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012496-04X	Glass 100ml unpreserved split	A	N/A	4.4	Y	Present/Intact	A2-TOC-9060-2REPS(28)
L1012496-05A	Amber 250ml unpreserved	A	N/A	4.4	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012496-05X	Glass 100ml unpreserved split	A	N/A	4.4	Y	Present/Intact	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012496

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012496-06A	Amber 250ml unpreserved	A	N/A	4.4	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012496-06X	Glass 100ml unpreserved split	A	N/A	4.4	Y	Present/Intact	A2-TOC-9060-2REPS(28)
L1012496-07A	Amber 250ml unpreserved	A	N/A	4.4	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012496-07X	Glass 100ml unpreserved split	A	N/A	4.4	Y	Present/Intact	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days



Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012496

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012496-08A	Amber 250ml unpreserved	A	N/A	4.4	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012496-08X	Glass 100ml unpreserved split	A	N/A	4.4	Y	Present/Intact	A2-TOC-9060-2REPS(28)
L1012496-09A	Amber 250ml unpreserved	A	N/A	4.4	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012496-09X	Glass 100ml unpreserved split	A	N/A	4.4	Y	Present/Intact	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012496

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012496-10A	Amber 250ml unpreserved	A	N/A	4.4	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012496-10X	Glass 100ml unpreserved split	A	N/A	4.4	Y	Present/Intact	A2-TOC-9060-2REPS(28)
L1012496-11A	Amber 250ml unpreserved	A	N/A	4.4	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012496-11X	Amber 250ml unpreserved	A	N/A	4.4	Y	Present/Intact	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012496

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012496-12A	Amber 250ml unpreserved	A	N/A	4.4	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012496-12X	Glass 100ml unpreserved split	A	N/A	4.4	Y	Present/Intact	A2-TOC-9060-2REPS(28)
L1012496-13A	Amber 250ml unpreserved	A	N/A	4.4	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012496-13X	Glass 100ml unpreserved split	A	N/A	4.4	Y	Present/Intact	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012496

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(**)
L1012496-14A	Amber 250ml unpreserved	A	N/A	4.4	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012496-14X	Glass 100ml unpreserved split	A	N/A	4.4	Y	Present/Intact	A2-TOC-9060-2REPS(28)
L1012496-15A	Amber 250ml unpreserved	A	N/A	4.4	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Lab Number: L1012496

Project Number: AC001

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012496-16A	Amber 250ml unpreserved	A	N/A	4.4	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012496-17A	Plastic 500ml HNO3 preserved	A	<2	4.4	Y	Present/Intact	DOD-CD-6020T(180),DOD-NA-6020T(180),DOD-V-6020T(180),DOD-ZN-6020T(180),DOD-NI-6020T(180),DOD-SE-6020T(180),DOD-TL-6020T(180),DOD-CA-6020T(180),DOD-CO-6020T(180),DOD-MN-6020T(180),DOD-HG-7470T(28),DOD-SB-6020T(180),DOD-AG-6020T(180),DOD-AL-6020T(180),DOD-AS-6020T(180),DOD-BA-6020T(180),DOD-CR-6020T(180),DOD-K-6020T(180),DOD-BE-6020T(180),DOD-MG-6020T(180),DOD-FE-6020T(180),DOD-CU-6020T(180),DOD-PB-6020T(180)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Lab Number: L1012496

Project Number: AC001

Report Date: 08/31/10

GLOSSARY

Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1.8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
Q	- The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
R	- Analytical results are from sample re-analysis.

Report Format: DU Report with "J" Qualifiers

Project Name: SHL TASK 0002

Lab Number: L1012496

Project Number: AC001

Report Date: 08/31/10

Data Qualifiers

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL). This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample.

Report Format: DU Report with "J" Qualifiers



Project Name: SHL TASK 0002

Lab Number: L1012496

Project Number: AC001

Report Date: 08/31/10

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

The analyses performed on the sample(s) within this report are in accordance with the minimum established guidelines set forth in the Department of Defense Quality Systems Manual, Version 4.1, issued April 22, 2009

LIMITATION OF LIABILITIES

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

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



Certificate/Approval Program Summary

Last revised July 19, 2010 - Westboro Facility

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

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

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

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

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. *Organic Parameters:* PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3,3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.

Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. *Organic Parameters:* 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. *Organic Parameters:* 608, 624, ME DRO, ME GRO, MA EPH, MA VPH.)

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

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.***Drinking Water***

Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Ti)

(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)

353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.

Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)

(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.

Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D

Non-Potable Water

Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Ti,Zn)

(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)

245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)

(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO₃-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. *Organic Parameters:* 504.1, 524.2, SM6251B.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH₃-H, 4500NH₃-E, 4500NO₂-B, 4500P-E, 4500-S₂-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. *Organic Parameters:* SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. *Organic Parameters:* SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO₃-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. *Organic Parameters:* 504.1, SM6251B, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500CI-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO₃-F, 4500NO₂-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH₃-H, 4500-S₂-D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. *Organic Parameters:* SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. *Organic Parameters:* SW-846 8021B, 8081A, 8082, 8151A 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev 7)

New York Department of Health Certificate/Lab ID: 11148. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO₃-F, 2540C, EPA 120.1, SM 2510B. *Organic Parameters:* EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500CI-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH₃-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO₃-F, 4500-NO₂-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C; EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C; EPA 3005A, 3015. *Organic Parameters:* EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)

Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. *Organic Parameters:* EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

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

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. NELAP Accredited.

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

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. *Organic Parameters:* 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. NELAP Accredited via NY-DOH.

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Texas Commission on Environmental Quality Certificate/Lab ID: T104704476-09-1. NELAP Accredited.

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S₂⁻D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

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

Department of Defense Certificate/Lab ID: L2217.

Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 120.1, 9050A, 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3. Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035, MassDEP EPH, MassDEP VPH.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **EPA 8260B**: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A**: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C**: Methyl naphthalene, Dimethyl naphthalene, Total Methyl naphthalenes, Total Dimethyl naphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625**: 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

Certificate/Approval Program Summary

Last revised July 19, 2010 – Mansfield Facility

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

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: SM2320B, EPA 120.1, SM2510B, EPA 245.1, EPA 150.1, EPA 160.2, SM2540D, EPA 335.2, SM2540G, EPA 180.1. Organic Parameters: EPA 625, 608.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045, 9014. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: EPA 120.1, 150.1, 160.2, 180.1, 200.8, 245.1, 310.1, 335.2, 608, 625, 1631, 3010, 3015, 3020, 6020, 9010, 9014, 9040, SM2320B, 2510B, 2540D, 2540G, 4500CN-E, 4500H-B, Organic Parameters: EPA 3510, 3580, 3630, 3640, 3660, 3665, 5030, 8015 (mod), 3570, 8081, 8082, 8260, 8270,)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7196, 7470, 7471, 7474, 9010, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015 (mod), EPA 3570, 1311, 3050, 3051, 3060, 3580, 3630, 3640, 3660, 3665, 5035, 8081, 8082, 8260, 8270.)

Biological Tissue (Inorganic Parameters: EPA 6020. Organic Parameters: EPA 3570, 3510, 3610, 3630, 3640, 8270.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA030.

Non-Potable Water (Inorganic Parameters: SM4500H+B. Organic Parameters: EPA 624.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: EPA 200.8, 245.1, 1631E, 120.1, 150.1, 180.1, 310.1, 335.2, 160.2, SM2540D, 2540G, 4500CN-E, 4500H+B, 2320B, 2510B. Organic Parameters: EPA 625, 608.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, 3015, 6020, SM2320B, EPA 200.8, SM2540C, 2540D, 2540G, EPA 120.1, SM2510B, EPA 180.1, 245.1, 1631E, SW-846 9040B, 6020, 9010B, 9014 Organic Parameters: EPA 608, 625, SW-846 3510C, 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 9010B, 9014, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 9045C, 9060. Organic Parameters: SW-846 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 3570, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610B, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: EPA 310.1, SM2320B, EPA 365.2, 160.1, EPA 160.2, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 335.2, 9014, 150.1, 9040B, 120.1, SM2510B, EPA 376.2, 180.1, 9010B. Organic Parameters: EPA 624, 8260B, 8270C, 608, 8081A, 625, 8082, 3510C, 3511, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, SW-846 Ch7 Sec 7.3, EPA 6020, 7196A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 3050B, 3580, 3050B, 3035, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. **NELAP Accredited via LA-DEQ.**

Refer to MA-DEP Certificate for Non-Potable Water.

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. **NELAP Accredited.**

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8260, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

U.S. Army Corps of Engineers

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

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 3051, 6020, 747A, 7474, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580, 3570, 3540C, 5035, 8260B, 8270C, 8270 Alk-PAH, 8082, 8081A, 8015 (SHC), 8015 (DRO).

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **8270C**: Biphenyl.



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

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

CHAIN OF CUSTODY

PAGE 1 OF 1

Project Information

Project Name: SHL Task 0002

Project Location: Dorans, MA

Project #: AC001

Project Manager: Phil McBain

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: 8/19/10

Time:

Client Information

Client: Sovereign Consulting Inc

Address: 905B South Main St

Mansfield, MA 02048

Phone: 508-339-3200

Fax: 508-339-3248

Email: pmbain@sovercon.com

☐ These samples have been previously analyzed by Alpha

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)

SDG# 29 - closed

Date Rec'd in Lab: 8/12/10

ALPHA Job #: 1012-96

Report Information - Data Deliverables

☐ FAX ☒ EMAIL EOR
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State / Fed Program: Criteria See QAPP

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?

ANALYSIS

TAL Metals
TOC

SAMPLE HANDLING

Filtration _____
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials										
		Date	Time												
12496-01	SP-10-15-001	8/12/10	1030	S	WJW	✓✓									1
02	SP-10-15-004	8/12/10	1033	S	WJW	✓✓									1
03	SP-10-15-005	8/12/10	1035	S	WJW	✓✓									1
04	SP-10-15-010	8/12/10	1037	S	WJW	✓✓									1
05	SP-10-15-015	8/12/10	1040	S	WJW	✓✓									1
06	SP-10-15-017	8/12/10	1042	S	WJW	✓✓									1
07	SP-10-15-018	8/12/10	1045	S	WJW	✓✓									1
08	SP-10-15-020	8/12/10	1048	S	WJW	✓✓									1
09	SP-10-15-025	8/12/10	1050	S	WJW	✓✓									1
10	SP-10-15-028	8/12/10	1053	S	WJW	✓✓									1

PLEASE ANSWER QUESTIONS ABOVE!

Container Type A4

Preservative A4

IS YOUR PROJECT
MA MCP or CT RCP?

Relinquished By:

Date/Time

Received By:

Date/Time

[Signature]

8/12/10 1730

[Signature]

8/12/10 1730

8/12/10 1810

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.



FAX: 508-822-3288

PAGE 2 OF 2

ALPHA Job #: 6102491

Billing Information

☐ Same as Client info PO #:☐ ADEx ☐ Add'l Deliverables

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
--------------------	----------

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

ALPHA Quote #:

☒ 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?

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

Date Due: _____ Time: _____

☐ These samples have been previously analyzed by Alpha

ANALYSIS TAL Metals TOC TAC Metals Total	SAMPLE HANDLING Filtration _____ <input type="checkbox"/> Done <input type="checkbox"/> Not needed <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please specify below)
	Sample Specific Comments

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)

SD G# = 29 closed

[illegible]

PLEASE ANSWER QUESTIONS ABOVE!

Container Type	A	A	P
----------------	---	---	---

Preservative	A	A	C
--------------	---	---	---

IS YOUR PROJECT
MA MCP *or* CT RCP?

Relinquished By:

Date/Time

Received By:

Date/Time

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.



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

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

CHAIN OF CUSTODY

PAGE 1 OF 2

Client Information

Client: Sovereign Consulting Inc
Address: 905B South Main St
Mansfield, MA 02048
Phone: 508-339-3200
Fax: 508-339-3248
Email: pmebain@sovercon.com

☐ These samples have been previously analyzed by Alpha

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)
SDG# 29 - closed

Project Information

Project Name: SHL Task 0002
Project Location: Dorans, MA
Project #: AC001
Project Manager: Phil McBain
ALPHA Quote #:

Turn-Around Time

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

Date Due: 8/19/10 Time:

Date Rec'd in Lab: 8/12/10

ALPHA Job # L1012496

Report Information - Data Deliverables

☐ FAX ☒ EMAIL EDR
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info ☐ PO #:

Regulatory Requirements/Report Limits

State / Fed Program: See QAPP 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?

ANALYSIS											TOTAL # BOTTLES	
	SAMPLE HANDLING											
FAL-TP-15 TOC	Filtration _____											
	<input type="checkbox"/> Done <input type="checkbox"/> Not needed <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please specify below)											
Sample Specific Comments												

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	(Please specify below)										LES	
		Date	Time			Sample Specific Comments											
12496-01	SP-10-15-001	8/12/10	1030	S	WJW	✓	✓										1
02	SP-10-15-004	8/12/10	1033	S	WJW	✓	✓										1
03	SP-10-15-005	8/12/10	1035	S	WJW	✓	✓										1
04	SP-10-15-010	8/12/10	1037	S	WJW	✓	✓										1
05	SP-10-15-015	8/12/10	1040	S	WJW	✓	✓										1
06	SP-10-15-017	8/12/10	1042	S	WJW	✓	✓										1
07	SP-10-15-018	8/12/10	1045	S	WJW	✓	✓										1
08	SP-10-15-020	8/12/10	1048	S	WJW	✓	✓										1
09	SP-10-15-025	8/12/10	1050	S	WJW	✓	✓										1
10	SP-10-15-028	8/12/10	1053	S	WJW	✓	✓										1

PLEASE ANSWER QUESTIONS ABOVE!

Container Type A A

Preservative A A

IS YOUR PROJECT
MA MCP or CT RCP?

P. Dilliant 8/13/10 11:10
FORM NO: 01-01 (rev. 12-Jan-2010)

Relinquished By:

Date/Time

Received By:

Date/Time

Phil McBain 8/12/10 1730 P. Dilliant 8/12/10 1730
8/13/10 10:00 8/13/10 10:00

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.

TOTAL # BOTTLES

Page 1 of 1



ANALYTICAL REPORT

Lab Number: L1012501

Client: Sovereign Consulting
905B South Main Street
Mansfield, MA 02048

ATTN: Phil McBain

Phone: (508) 339-3200

Project Name: SHL TASK 0002

Project Number: AC001

Report Date: 08/31/10

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

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



Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012501
Report Date: 08/31/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1012501-01	SP-10-12-001	DEVENS, MA	08/12/10 08:30
L1012501-02	SP-10-12-005	DEVENS, MA	08/12/10 08:33
L1012501-03	SP-10-12-009	DEVENS, MA	08/12/10 08:35
L1012501-04	SP-10-12-015	DEVENS, MA	08/12/10 08:37
L1012501-05	SP-10-12-017	DEVENS, MA	08/12/10 08:40
L1012501-06	SP-10-12-025	DEVENS, MA	08/12/10 08:42
L1012501-07	SP-10-12-035	DEVENS, MA	08/12/10 08:45
L1012501-08	SP-10-12-040	DEVENS, MA	08/12/10 08:48
L1012501-09	SP-10-12-042	DEVENS, MA	08/12/10 08:50
L1012501-10	SP-10-12-052	DEVENS, MA	08/12/10 08:52
L1012501-11	SP-10-12-055	DEVENS, MA	08/12/10 08:55
L1012501-12	SP-10-13-050	DEVENS, MA	08/12/10 10:07
L1012501-13	SP-10-13-072	DEVENS, MA	08/12/10 10:18
L1012501-14	SP-10-13-075	DEVENS, MA	08/12/10 10:20
L1012501-15	SP-10-13-077	DEVENS, MA	08/12/10 10:22
L1012501-16	SP-10-13-083	DEVENS, MA	08/12/10 10:25
L1012501-17	SDUP2-081210	DEVENS, MA	08/12/10 08:45
L1012501-18	SDUP3-081210	DEVENS, MA	08/12/10 08:48

Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012501
Report Date: 08/31/10

Case Narrative

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

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

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

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

Report Submission

This report replaces the report issued on August 23, 2010. The report has been amended to correct the MDL for Mercury and revise the Mercury result reported for sample L1012501-03.

Testing performed for the reported analyses followed the guidelines established under the DoD QSM 4.1, where applicable.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Metals

The WG427861-3/-4 MS/MSD RPD, performed on L1012501-12, is above the acceptance criteria for Mercury (24%). L1012501-12 should be qualified as "UJ" for Mercury.

Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012501
Report Date: 08/31/10

Case Narrative (continued)

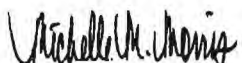
The WG427886-3/-4 MS/MSD recoveries for Aluminum (0%/0%) and Iron (226%/0%), performed on L1012501-12, are invalid because the sample concentration is greater than four times the spike amount added.

The WG427886-3/-4 MS/MSD recoveries, performed on L1012501-12, are below the acceptance criteria for Antimony (63%/67%) and Calcium (MSD at 72%). A post digestion spike was performed with acceptable recoveries of Antimony (100%) and Calcium (84%). L1012501-12 should be qualified as "UJ" for Antimony and "J" for Calcium.

The WG427886-3/-4 MS/MSD recoveries, performed on L1012501-12, are below the acceptance criteria for Magnesium (68%/22%) and Manganese (MSD at 76%). A post digestion spike was performed with unacceptable recoveries of Magnesium (68%) and Manganese (76%). This has been attributed to sample matrix. L1012501-12 is qualified as "J" for Magnesium and Manganese.

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

Authorized Signature:

 Michelle M. Morris

Title: Technical Director/Representative

Date: 08/31/10

METALS



Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012501-01

Date Collected: 08/12/10 08:30

Client ID: SP-10-12-001

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3200		mg/kg	4.2	1.2	1	08/16/10 17:55	08/17/10 10:51	EPA 3050B	1,6010B	MG
Antimony, Total	0.35	J	mg/kg	2.1	0.18	1	08/16/10 17:55	08/17/10 10:51	EPA 3050B	1,6010B	MG
Arsenic, Total	5.4		mg/kg	0.42	0.08	1	08/16/10 17:55	08/17/10 10:51	EPA 3050B	1,6010B	MG
Barium, Total	13		mg/kg	0.42	0.05	1	08/16/10 17:55	08/17/10 10:51	EPA 3050B	1,6010B	MG
Beryllium, Total	0.24		mg/kg	0.21	0.01	1	08/16/10 17:55	08/17/10 10:51	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.42	0.03	1	08/16/10 17:55	08/17/10 10:51	EPA 3050B	1,6010B	MG
Calcium, Total	630		mg/kg	4.2	0.76	1	08/16/10 17:55	08/17/10 10:51	EPA 3050B	1,6010B	MG
Chromium, Total	6.4		mg/kg	0.42	0.05	1	08/16/10 17:55	08/17/10 10:51	EPA 3050B	1,6010B	MG
Cobalt, Total	2.5		mg/kg	0.84	0.15	1	08/16/10 17:55	08/17/10 10:51	EPA 3050B	1,6010B	MG
Copper, Total	40		mg/kg	0.42	0.05	1	08/16/10 17:55	08/17/10 10:51	EPA 3050B	1,6010B	MG
Iron, Total	7500		mg/kg	2.1	0.75	1	08/16/10 17:55	08/17/10 10:51	EPA 3050B	1,6010B	MG
Lead, Total	95		mg/kg	2.1	0.06	1	08/16/10 17:55	08/17/10 10:51	EPA 3050B	1,6010B	MG
Magnesium, Total	980		mg/kg	4.2	0.49	1	08/16/10 17:55	08/17/10 10:51	EPA 3050B	1,6010B	MG
Manganese, Total	110		mg/kg	0.42	0.02	1	08/16/10 17:55	08/17/10 10:51	EPA 3050B	1,6010B	MG
Mercury, Total	0.068	J	mg/kg	0.08	0.02	1	08/16/10 14:36	08/17/10 14:10	EPA 7471A	1,7471A	EZ
Nickel, Total	6.6		mg/kg	1.0	0.07	1	08/16/10 17:55	08/17/10 10:51	EPA 3050B	1,6010B	MG
Potassium, Total	350		mg/kg	100	37	1	08/16/10 17:55	08/17/10 10:51	EPA 3050B	1,6010B	MG
Selenium, Total	0.32	J	mg/kg	0.84	0.12	1	08/16/10 17:55	08/17/10 10:51	EPA 3050B	1,6010B	MG
Silver, Total	0.2	J	mg/kg	0.42	0.03	1	08/16/10 17:55	08/17/10 10:51	EPA 3050B	1,6010B	MG
Sodium, Total	61	J	mg/kg	84	23	1	08/16/10 17:55	08/17/10 10:51	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.84	0.25	1	08/16/10 17:55	08/17/10 10:51	EPA 3050B	1,6010B	MG
Vanadium, Total	6.2		mg/kg	0.42	0.10	1	08/16/10 17:55	08/17/10 10:51	EPA 3050B	1,6010B	MG
Zinc, Total	95		mg/kg	2.1	0.07	1	08/16/10 17:55	08/17/10 10:51	EPA 3050B	1,6010B	MG



Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012501-02

Date Collected: 08/12/10 08:33

Client ID: SP-10-12-005

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6900		mg/kg	4.5	1.3	1	08/16/10 17:55	08/17/10 10:54	EPA 3050B	1,6010B	MG
Antimony, Total	2.2	J	mg/kg	2.3	0.19	1	08/16/10 17:55	08/17/10 10:54	EPA 3050B	1,6010B	MG
Arsenic, Total	12		mg/kg	0.45	0.09	1	08/16/10 17:55	08/17/10 10:54	EPA 3050B	1,6010B	MG
Barium, Total	78		mg/kg	0.45	0.05	1	08/16/10 17:55	08/17/10 10:54	EPA 3050B	1,6010B	MG
Beryllium, Total	0.59		mg/kg	0.23	0.01	1	08/16/10 17:55	08/17/10 10:54	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.45	0.04	1	08/16/10 17:55	08/17/10 10:54	EPA 3050B	1,6010B	MG
Calcium, Total	4200		mg/kg	4.5	0.82	1	08/16/10 17:55	08/17/10 10:54	EPA 3050B	1,6010B	MG
Chromium, Total	18		mg/kg	0.45	0.05	1	08/16/10 17:55	08/17/10 10:54	EPA 3050B	1,6010B	MG
Cobalt, Total	5.8		mg/kg	0.90	0.16	1	08/16/10 17:55	08/17/10 10:54	EPA 3050B	1,6010B	MG
Copper, Total	260		mg/kg	0.45	0.05	1	08/16/10 17:55	08/17/10 10:54	EPA 3050B	1,6010B	MG
Iron, Total	31000		mg/kg	2.3	0.80	1	08/16/10 17:55	08/17/10 10:54	EPA 3050B	1,6010B	MG
Lead, Total	510		mg/kg	2.3	0.06	1	08/16/10 17:55	08/17/10 10:54	EPA 3050B	1,6010B	MG
Magnesium, Total	2200		mg/kg	4.5	0.52	1	08/16/10 17:55	08/17/10 10:54	EPA 3050B	1,6010B	MG
Manganese, Total	410		mg/kg	0.45	0.02	1	08/16/10 17:55	08/17/10 10:54	EPA 3050B	1,6010B	MG
Mercury, Total	0.75		mg/kg	0.09	0.02	1	08/16/10 14:36	08/17/10 14:12	EPA 7471A	1,7471A	EZ
Nickel, Total	17		mg/kg	1.1	0.07	1	08/16/10 17:55	08/17/10 10:54	EPA 3050B	1,6010B	MG
Potassium, Total	890		mg/kg	110	40	1	08/16/10 17:55	08/17/10 10:54	EPA 3050B	1,6010B	MG
Selenium, Total	0.84	J	mg/kg	0.90	0.13	1	08/16/10 17:55	08/17/10 10:54	EPA 3050B	1,6010B	MG
Silver, Total	0.82		mg/kg	0.45	0.03	1	08/16/10 17:55	08/17/10 10:54	EPA 3050B	1,6010B	MG
Sodium, Total	240		mg/kg	90	25	1	08/16/10 17:55	08/17/10 10:54	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.90	0.27	1	08/16/10 17:55	08/17/10 10:54	EPA 3050B	1,6010B	MG
Vanadium, Total	16		mg/kg	0.45	0.11	1	08/16/10 17:55	08/17/10 10:54	EPA 3050B	1,6010B	MG
Zinc, Total	210		mg/kg	2.3	0.07	1	08/16/10 17:55	08/17/10 10:54	EPA 3050B	1,6010B	MG

Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012501-03

Date Collected: 08/12/10 08:35

Client ID: SP-10-12-009

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 98%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7100		mg/kg	4.2	1.2	1	08/16/10 17:55	08/17/10 10:57	EPA 3050B	1,6010B	MG
Antimony, Total	0.22	J	mg/kg	2.1	0.18	1	08/16/10 17:55	08/17/10 10:57	EPA 3050B	1,6010B	MG
Arsenic, Total	13		mg/kg	0.42	0.08	1	08/16/10 17:55	08/17/10 10:57	EPA 3050B	1,6010B	MG
Barium, Total	9.5		mg/kg	0.42	0.05	1	08/16/10 17:55	08/17/10 10:57	EPA 3050B	1,6010B	MG
Beryllium, Total	0.42		mg/kg	0.21	0.01	1	08/16/10 17:55	08/17/10 10:57	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.42	0.03	1	08/16/10 17:55	08/17/10 10:57	EPA 3050B	1,6010B	MG
Calcium, Total	560		mg/kg	4.2	0.76	1	08/16/10 17:55	08/17/10 10:57	EPA 3050B	1,6010B	MG
Chromium, Total	9.8		mg/kg	0.42	0.05	1	08/16/10 17:55	08/17/10 10:57	EPA 3050B	1,6010B	MG
Cobalt, Total	2.6		mg/kg	0.84	0.15	1	08/16/10 17:55	08/17/10 10:57	EPA 3050B	1,6010B	MG
Copper, Total	7.3		mg/kg	0.42	0.05	1	08/16/10 17:55	08/17/10 10:57	EPA 3050B	1,6010B	MG
Iron, Total	8500		mg/kg	2.1	0.74	1	08/16/10 17:55	08/17/10 10:57	EPA 3050B	1,6010B	MG
Lead, Total	8.5		mg/kg	2.1	0.05	1	08/16/10 17:55	08/17/10 10:57	EPA 3050B	1,6010B	MG
Magnesium, Total	1900		mg/kg	4.2	0.48	1	08/16/10 17:55	08/17/10 10:57	EPA 3050B	1,6010B	MG
Manganese, Total	76		mg/kg	0.42	0.02	1	08/16/10 17:55	08/17/10 10:57	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/16/10 14:36	08/17/10 14:21	EPA 7471A	1,7471A	EZ
Nickel, Total	9.3		mg/kg	1.0	0.07	1	08/16/10 17:55	08/17/10 10:57	EPA 3050B	1,6010B	MG
Potassium, Total	410		mg/kg	100	37	1	08/16/10 17:55	08/17/10 10:57	EPA 3050B	1,6010B	MG
Selenium, Total	0.26	J	mg/kg	0.84	0.12	1	08/16/10 17:55	08/17/10 10:57	EPA 3050B	1,6010B	MG
Silver, Total	0.23	J	mg/kg	0.42	0.03	1	08/16/10 17:55	08/17/10 10:57	EPA 3050B	1,6010B	MG
Sodium, Total	ND		mg/kg	84	23	1	08/16/10 17:55	08/17/10 10:57	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.84	0.25	1	08/16/10 17:55	08/17/10 10:57	EPA 3050B	1,6010B	MG
Vanadium, Total	8.4		mg/kg	0.42	0.10	1	08/16/10 17:55	08/17/10 10:57	EPA 3050B	1,6010B	MG
Zinc, Total	16		mg/kg	2.1	0.07	1	08/16/10 17:55	08/17/10 10:57	EPA 3050B	1,6010B	MG



Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012501

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012501-04

Client ID: SP-10-12-015

Sample Location: DEVENS, MA

Matrix: Soil

Percent Solids: 94%

Date Collected: 08/12/10 08:37

Date Received: 08/12/10

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3400		mg/kg	4.3	1.3	1	08/16/10 17:55	08/17/10 11:00	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.1	0.18	1	08/16/10 17:55	08/17/10 11:00	EPA 3050B	1,6010B	MG
Arsenic, Total	9.6		mg/kg	0.43	0.09	1	08/16/10 17:55	08/17/10 11:00	EPA 3050B	1,6010B	MG
Barium, Total	10		mg/kg	0.43	0.05	1	08/16/10 17:55	08/17/10 11:00	EPA 3050B	1,6010B	MG
Beryllium, Total	0.35		mg/kg	0.21	0.01	1	08/16/10 17:55	08/17/10 11:00	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.43	0.03	1	08/16/10 17:55	08/17/10 11:00	EPA 3050B	1,6010B	MG
Calcium, Total	690		mg/kg	4.3	0.77	1	08/16/10 17:55	08/17/10 11:00	EPA 3050B	1,6010B	MG
Chromium, Total	5.6		mg/kg	0.43	0.05	1	08/16/10 17:55	08/17/10 11:00	EPA 3050B	1,6010B	MG
Cobalt, Total	2.2		mg/kg	0.85	0.15	1	08/16/10 17:55	08/17/10 11:00	EPA 3050B	1,6010B	MG
Copper, Total	6.6		mg/kg	0.43	0.05	1	08/16/10 17:55	08/17/10 11:00	EPA 3050B	1,6010B	MG
Iron, Total	5100		mg/kg	2.1	0.76	1	08/16/10 17:55	08/17/10 11:00	EPA 3050B	1,6010B	MG
Lead, Total	7.9		mg/kg	2.1	0.06	1	08/16/10 17:55	08/17/10 11:00	EPA 3050B	1,6010B	MG
Magnesium, Total	990		mg/kg	4.3	0.50	1	08/16/10 17:55	08/17/10 11:00	EPA 3050B	1,6010B	MG
Manganese, Total	62		mg/kg	0.43	0.02	1	08/16/10 17:55	08/17/10 11:00	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.07	0.01	1	08/16/10 14:36	08/17/10 14:23	EPA 7471A	1,7471A	EZ
Nickel, Total	5.6		mg/kg	1.1	0.07	1	08/16/10 17:55	08/17/10 11:00	EPA 3050B	1,6010B	MG
Potassium, Total	620		mg/kg	110	38	1	08/16/10 17:55	08/17/10 11:00	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	0.85	0.12	1	08/16/10 17:55	08/17/10 11:00	EPA 3050B	1,6010B	MG
Silver, Total	0.59		mg/kg	0.43	0.03	1	08/16/10 17:55	08/17/10 11:00	EPA 3050B	1,6010B	MG
Sodium, Total	32	J	mg/kg	85	24	1	08/16/10 17:55	08/17/10 11:00	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.85	0.26	1	08/16/10 17:55	08/17/10 11:00	EPA 3050B	1,6010B	MG
Vanadium, Total	5.3		mg/kg	0.43	0.11	1	08/16/10 17:55	08/17/10 11:00	EPA 3050B	1,6010B	MG
Zinc, Total	12		mg/kg	2.1	0.07	1	08/16/10 17:55	08/17/10 11:00	EPA 3050B	1,6010B	MG

Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012501-05

Date Collected: 08/12/10 08:40

Client ID: SP-10-12-017

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	2200		mg/kg	4.3	1.3	1	08/16/10 17:55	08/17/10 11:03	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.2	0.19	1	08/16/10 17:55	08/17/10 11:03	EPA 3050B	1,6010B	MG
Arsenic, Total	6.2		mg/kg	0.43	0.09	1	08/16/10 17:55	08/17/10 11:03	EPA 3050B	1,6010B	MG
Barium, Total	9.3		mg/kg	0.43	0.05	1	08/16/10 17:55	08/17/10 11:03	EPA 3050B	1,6010B	MG
Beryllium, Total	0.25		mg/kg	0.22	0.01	1	08/16/10 17:55	08/17/10 11:03	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.43	0.04	1	08/16/10 17:55	08/17/10 11:03	EPA 3050B	1,6010B	MG
Calcium, Total	700		mg/kg	4.3	0.78	1	08/16/10 17:55	08/17/10 11:03	EPA 3050B	1,6010B	MG
Chromium, Total	3.8		mg/kg	0.43	0.05	1	08/16/10 17:55	08/17/10 11:03	EPA 3050B	1,6010B	MG
Cobalt, Total	1.5		mg/kg	0.86	0.16	1	08/16/10 17:55	08/17/10 11:03	EPA 3050B	1,6010B	MG
Copper, Total	7.9		mg/kg	0.43	0.05	1	08/16/10 17:55	08/17/10 11:03	EPA 3050B	1,6010B	MG
Iron, Total	3700		mg/kg	2.2	0.77	1	08/16/10 17:55	08/17/10 11:03	EPA 3050B	1,6010B	MG
Lead, Total	3.5		mg/kg	2.2	0.06	1	08/16/10 17:55	08/17/10 11:03	EPA 3050B	1,6010B	MG
Magnesium, Total	660		mg/kg	4.3	0.50	1	08/16/10 17:55	08/17/10 11:03	EPA 3050B	1,6010B	MG
Manganese, Total	43		mg/kg	0.43	0.02	1	08/16/10 17:55	08/17/10 11:03	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/16/10 14:36	08/17/10 14:24	EPA 7471A	1,7471A	EZ
Nickel, Total	3.2		mg/kg	1.1	0.07	1	08/16/10 17:55	08/17/10 11:03	EPA 3050B	1,6010B	MG
Potassium, Total	490		mg/kg	110	38	1	08/16/10 17:55	08/17/10 11:03	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	0.86	0.12	1	08/16/10 17:55	08/17/10 11:03	EPA 3050B	1,6010B	MG
Silver, Total	0.13	J	mg/kg	0.43	0.03	1	08/16/10 17:55	08/17/10 11:03	EPA 3050B	1,6010B	MG
Sodium, Total	51	J	mg/kg	86	24	1	08/16/10 17:55	08/17/10 11:03	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.86	0.26	1	08/16/10 17:55	08/17/10 11:03	EPA 3050B	1,6010B	MG
Vanadium, Total	3.8		mg/kg	0.43	0.11	1	08/16/10 17:55	08/17/10 11:03	EPA 3050B	1,6010B	MG
Zinc, Total	8.5		mg/kg	2.2	0.07	1	08/16/10 17:55	08/17/10 11:03	EPA 3050B	1,6010B	MG

Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012501-06

Date Collected: 08/12/10 08:42

Client ID: SP-10-12-025

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	2600		mg/kg	4.3	1.3	1	08/16/10 17:55	08/17/10 11:06	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.2	0.19	1	08/16/10 17:55	08/17/10 11:06	EPA 3050B	1,6010B	MG
Arsenic, Total	9.0		mg/kg	0.43	0.09	1	08/16/10 17:55	08/17/10 11:06	EPA 3050B	1,6010B	MG
Barium, Total	9.2		mg/kg	0.43	0.05	1	08/16/10 17:55	08/17/10 11:06	EPA 3050B	1,6010B	MG
Beryllium, Total	0.25		mg/kg	0.22	0.01	1	08/16/10 17:55	08/17/10 11:06	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.43	0.04	1	08/16/10 17:55	08/17/10 11:06	EPA 3050B	1,6010B	MG
Calcium, Total	760		mg/kg	4.3	0.78	1	08/16/10 17:55	08/17/10 11:06	EPA 3050B	1,6010B	MG
Chromium, Total	4.8		mg/kg	0.43	0.05	1	08/16/10 17:55	08/17/10 11:06	EPA 3050B	1,6010B	MG
Cobalt, Total	2.4		mg/kg	0.87	0.16	1	08/16/10 17:55	08/17/10 11:06	EPA 3050B	1,6010B	MG
Copper, Total	4.7		mg/kg	0.43	0.05	1	08/16/10 17:55	08/17/10 11:06	EPA 3050B	1,6010B	MG
Iron, Total	5300		mg/kg	2.2	0.77	1	08/16/10 17:55	08/17/10 11:06	EPA 3050B	1,6010B	MG
Lead, Total	4.6		mg/kg	2.2	0.06	1	08/16/10 17:55	08/17/10 11:06	EPA 3050B	1,6010B	MG
Magnesium, Total	920		mg/kg	4.3	0.50	1	08/16/10 17:55	08/17/10 11:06	EPA 3050B	1,6010B	MG
Manganese, Total	90		mg/kg	0.43	0.02	1	08/16/10 17:55	08/17/10 11:06	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/16/10 14:36	08/17/10 14:32	EPA 7471A	1,7471A	EZ
Nickel, Total	5.8		mg/kg	1.1	0.07	1	08/16/10 17:55	08/17/10 11:06	EPA 3050B	1,6010B	MG
Potassium, Total	490		mg/kg	110	38	1	08/16/10 17:55	08/17/10 11:06	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	0.87	0.12	1	08/16/10 17:55	08/17/10 11:06	EPA 3050B	1,6010B	MG
Silver, Total	0.13	J	mg/kg	0.43	0.03	1	08/16/10 17:55	08/17/10 11:06	EPA 3050B	1,6010B	MG
Sodium, Total	30	J	mg/kg	87	24	1	08/16/10 17:55	08/17/10 11:06	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.87	0.26	1	08/16/10 17:55	08/17/10 11:06	EPA 3050B	1,6010B	MG
Vanadium, Total	4.7		mg/kg	0.43	0.11	1	08/16/10 17:55	08/17/10 11:06	EPA 3050B	1,6010B	MG
Zinc, Total	12		mg/kg	2.2	0.07	1	08/16/10 17:55	08/17/10 11:06	EPA 3050B	1,6010B	MG



Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012501-07

Date Collected: 08/12/10 08:45

Client ID: SP-10-12-035

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3100		mg/kg	5.0	1.5	1	08/16/10 17:55	08/17/10 11:10	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.5	0.22	1	08/16/10 17:55	08/17/10 11:10	EPA 3050B	1,6010B	MG
Arsenic, Total	9.4		mg/kg	0.50	0.10	1	08/16/10 17:55	08/17/10 11:10	EPA 3050B	1,6010B	MG
Barium, Total	8.1		mg/kg	0.50	0.06	1	08/16/10 17:55	08/17/10 11:10	EPA 3050B	1,6010B	MG
Beryllium, Total	0.2	J	mg/kg	0.25	0.02	1	08/16/10 17:55	08/17/10 11:10	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.50	0.04	1	08/16/10 17:55	08/17/10 11:10	EPA 3050B	1,6010B	MG
Calcium, Total	480		mg/kg	5.0	0.91	1	08/16/10 17:55	08/17/10 11:10	EPA 3050B	1,6010B	MG
Chromium, Total	6.3		mg/kg	0.50	0.06	1	08/16/10 17:55	08/17/10 11:10	EPA 3050B	1,6010B	MG
Cobalt, Total	1.7		mg/kg	1.0	0.18	1	08/16/10 17:55	08/17/10 11:10	EPA 3050B	1,6010B	MG
Copper, Total	9.7		mg/kg	0.50	0.06	1	08/16/10 17:55	08/17/10 11:10	EPA 3050B	1,6010B	MG
Iron, Total	5300		mg/kg	2.5	0.90	1	08/16/10 17:55	08/17/10 11:10	EPA 3050B	1,6010B	MG
Lead, Total	16		mg/kg	2.5	0.07	1	08/16/10 17:55	08/17/10 11:10	EPA 3050B	1,6010B	MG
Magnesium, Total	1200		mg/kg	5.0	0.58	1	08/16/10 17:55	08/17/10 11:10	EPA 3050B	1,6010B	MG
Manganese, Total	80		mg/kg	0.50	0.02	1	08/16/10 17:55	08/17/10 11:10	EPA 3050B	1,6010B	MG
Mercury, Total	0.43		mg/kg	0.09	0.02	1	08/16/10 14:36	08/17/10 14:34	EPA 7471A	1,7471A	EZ
Nickel, Total	5.9		mg/kg	1.3	0.08	1	08/16/10 17:55	08/17/10 11:10	EPA 3050B	1,6010B	MG
Potassium, Total	330		mg/kg	130	45	1	08/16/10 17:55	08/17/10 11:10	EPA 3050B	1,6010B	MG
Selenium, Total	0.18	J	mg/kg	1.0	0.14	1	08/16/10 17:55	08/17/10 11:10	EPA 3050B	1,6010B	MG
Silver, Total	0.041	J	mg/kg	0.50	0.03	1	08/16/10 17:55	08/17/10 11:10	EPA 3050B	1,6010B	MG
Sodium, Total	40	J	mg/kg	100	28	1	08/16/10 17:55	08/17/10 11:10	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	1.0	0.30	1	08/16/10 17:55	08/17/10 11:10	EPA 3050B	1,6010B	MG
Vanadium, Total	4.9		mg/kg	0.50	0.13	1	08/16/10 17:55	08/17/10 11:10	EPA 3050B	1,6010B	MG
Zinc, Total	17		mg/kg	2.5	0.08	1	08/16/10 17:55	08/17/10 11:10	EPA 3050B	1,6010B	MG

Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012501-08

Date Collected: 08/12/10 08:48

Client ID: SP-10-12-040

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3000		mg/kg	4.4	1.3	1	08/16/10 17:55	08/17/10 11:13	EPA 3050B	1,6010B	MG
Antimony, Total	0.2	J	mg/kg	2.2	0.19	1	08/16/10 17:55	08/17/10 11:13	EPA 3050B	1,6010B	MG
Arsenic, Total	14		mg/kg	0.44	0.09	1	08/16/10 17:55	08/17/10 11:13	EPA 3050B	1,6010B	MG
Barium, Total	7.7		mg/kg	0.44	0.05	1	08/16/10 17:55	08/17/10 11:13	EPA 3050B	1,6010B	MG
Beryllium, Total	0.21	J	mg/kg	0.22	0.01	1	08/16/10 17:55	08/17/10 11:13	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.44	0.04	1	08/16/10 17:55	08/17/10 11:13	EPA 3050B	1,6010B	MG
Calcium, Total	660		mg/kg	4.4	0.80	1	08/16/10 17:55	08/17/10 11:13	EPA 3050B	1,6010B	MG
Chromium, Total	7.0		mg/kg	0.44	0.05	1	08/16/10 17:55	08/17/10 11:13	EPA 3050B	1,6010B	MG
Cobalt, Total	1.8		mg/kg	0.88	0.16	1	08/16/10 17:55	08/17/10 11:13	EPA 3050B	1,6010B	MG
Copper, Total	12		mg/kg	0.44	0.05	1	08/16/10 17:55	08/17/10 11:13	EPA 3050B	1,6010B	MG
Iron, Total	5200		mg/kg	2.2	0.79	1	08/16/10 17:55	08/17/10 11:13	EPA 3050B	1,6010B	MG
Lead, Total	12		mg/kg	2.2	0.06	1	08/16/10 17:55	08/17/10 11:13	EPA 3050B	1,6010B	MG
Magnesium, Total	1100		mg/kg	4.4	0.51	1	08/16/10 17:55	08/17/10 11:13	EPA 3050B	1,6010B	MG
Manganese, Total	70		mg/kg	0.44	0.02	1	08/16/10 17:55	08/17/10 11:13	EPA 3050B	1,6010B	MG
Mercury, Total	0.22		mg/kg	0.08	0.02	1	08/16/10 14:36	08/17/10 14:36	EPA 7471A	1,7471A	EZ
Nickel, Total	5.8		mg/kg	1.1	0.07	1	08/16/10 17:55	08/17/10 11:13	EPA 3050B	1,6010B	MG
Potassium, Total	360		mg/kg	110	39	1	08/16/10 17:55	08/17/10 11:13	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	0.88	0.12	1	08/16/10 17:55	08/17/10 11:13	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.44	0.03	1	08/16/10 17:55	08/17/10 11:13	EPA 3050B	1,6010B	MG
Sodium, Total	50	J	mg/kg	88	24	1	08/16/10 17:55	08/17/10 11:13	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.88	0.26	1	08/16/10 17:55	08/17/10 11:13	EPA 3050B	1,6010B	MG
Vanadium, Total	4.6		mg/kg	0.44	0.11	1	08/16/10 17:55	08/17/10 11:13	EPA 3050B	1,6010B	MG
Zinc, Total	15		mg/kg	2.2	0.07	1	08/16/10 17:55	08/17/10 11:13	EPA 3050B	1,6010B	MG



Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012501-09

Date Collected: 08/12/10 08:50

Client ID: SP-10-12-042

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3100		mg/kg	4.7	1.4	1	08/16/10 17:55	08/17/10 11:16	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.3	0.20	1	08/16/10 17:55	08/17/10 11:16	EPA 3050B	1,6010B	MG
Arsenic, Total	29		mg/kg	0.47	0.09	1	08/16/10 17:55	08/17/10 11:16	EPA 3050B	1,6010B	MG
Barium, Total	8.6		mg/kg	0.47	0.06	1	08/16/10 17:55	08/17/10 11:16	EPA 3050B	1,6010B	MG
Beryllium, Total	0.31		mg/kg	0.23	0.01	1	08/16/10 17:55	08/17/10 11:16	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.47	0.04	1	08/16/10 17:55	08/17/10 11:16	EPA 3050B	1,6010B	MG
Calcium, Total	560		mg/kg	4.7	0.84	1	08/16/10 17:55	08/17/10 11:16	EPA 3050B	1,6010B	MG
Chromium, Total	5.7		mg/kg	0.47	0.05	1	08/16/10 17:55	08/17/10 11:16	EPA 3050B	1,6010B	MG
Cobalt, Total	1.7		mg/kg	0.93	0.17	1	08/16/10 17:55	08/17/10 11:16	EPA 3050B	1,6010B	MG
Copper, Total	4.0		mg/kg	0.47	0.05	1	08/16/10 17:55	08/17/10 11:16	EPA 3050B	1,6010B	MG
Iron, Total	4900		mg/kg	2.3	0.83	1	08/16/10 17:55	08/17/10 11:16	EPA 3050B	1,6010B	MG
Lead, Total	4.4		mg/kg	2.3	0.06	1	08/16/10 17:55	08/17/10 11:16	EPA 3050B	1,6010B	MG
Magnesium, Total	1100		mg/kg	4.7	0.54	1	08/16/10 17:55	08/17/10 11:16	EPA 3050B	1,6010B	MG
Manganese, Total	84		mg/kg	0.47	0.02	1	08/16/10 17:55	08/17/10 11:16	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/16/10 14:36	08/17/10 14:38	EPA 7471A	1,7471A	EZ
Nickel, Total	5.9		mg/kg	1.2	0.08	1	08/16/10 17:55	08/17/10 11:16	EPA 3050B	1,6010B	MG
Potassium, Total	480		mg/kg	120	41	1	08/16/10 17:55	08/17/10 11:16	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	0.93	0.13	1	08/16/10 17:55	08/17/10 11:16	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.47	0.03	1	08/16/10 17:55	08/17/10 11:16	EPA 3050B	1,6010B	MG
Sodium, Total	ND		mg/kg	93	26	1	08/16/10 17:55	08/17/10 11:16	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.93	0.28	1	08/16/10 17:55	08/17/10 11:16	EPA 3050B	1,6010B	MG
Vanadium, Total	5.0		mg/kg	0.47	0.12	1	08/16/10 17:55	08/17/10 11:16	EPA 3050B	1,6010B	MG
Zinc, Total	12		mg/kg	2.3	0.08	1	08/16/10 17:55	08/17/10 11:16	EPA 3050B	1,6010B	MG

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012501

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012501-10

Client ID: SP-10-12-052

Sample Location: DEVENS, MA

Matrix: Soil

Percent Solids: 89%

Date Collected: 08/12/10 08:52

Date Received: 08/12/10

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	2800		mg/kg	4.3	1.3	1	08/16/10 17:55	08/17/10 11:19	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.2	0.19	1	08/16/10 17:55	08/17/10 11:19	EPA 3050B	1,6010B	MG
Arsenic, Total	26		mg/kg	0.43	0.09	1	08/16/10 17:55	08/17/10 11:19	EPA 3050B	1,6010B	MG
Barium, Total	8.4		mg/kg	0.43	0.05	1	08/16/10 17:55	08/17/10 11:19	EPA 3050B	1,6010B	MG
Beryllium, Total	0.28		mg/kg	0.22	0.01	1	08/16/10 17:55	08/17/10 11:19	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.43	0.04	1	08/16/10 17:55	08/17/10 11:19	EPA 3050B	1,6010B	MG
Calcium, Total	480		mg/kg	4.3	0.78	1	08/16/10 17:55	08/17/10 11:19	EPA 3050B	1,6010B	MG
Chromium, Total	10		mg/kg	0.43	0.05	1	08/16/10 17:55	08/17/10 11:19	EPA 3050B	1,6010B	MG
Cobalt, Total	2.0		mg/kg	0.87	0.16	1	08/16/10 17:55	08/17/10 11:19	EPA 3050B	1,6010B	MG
Copper, Total	5.4		mg/kg	0.43	0.05	1	08/16/10 17:55	08/17/10 11:19	EPA 3050B	1,6010B	MG
Iron, Total	5200		mg/kg	2.2	0.77	1	08/16/10 17:55	08/17/10 11:19	EPA 3050B	1,6010B	MG
Lead, Total	4.8		mg/kg	2.2	0.06	1	08/16/10 17:55	08/17/10 11:19	EPA 3050B	1,6010B	MG
Magnesium, Total	970		mg/kg	4.3	0.50	1	08/16/10 17:55	08/17/10 11:19	EPA 3050B	1,6010B	MG
Manganese, Total	120		mg/kg	0.43	0.02	1	08/16/10 17:55	08/17/10 11:19	EPA 3050B	1,6010B	MG
Mercury, Total	0.017	J	mg/kg	0.08	0.02	1	08/16/10 14:36	08/17/10 14:39	EPA 7471A	1,7471A	EZ
Nickel, Total	5.9		mg/kg	1.1	0.07	1	08/16/10 17:55	08/17/10 11:19	EPA 3050B	1,6010B	MG
Potassium, Total	460		mg/kg	110	38.	1	08/16/10 17:55	08/17/10 11:19	EPA 3050B	1,6010B	MG
Selenium, Total	0.13	J	mg/kg	0.87	0.12	1	08/16/10 17:55	08/17/10 11:19	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.43	0.03	1	08/16/10 17:55	08/17/10 11:19	EPA 3050B	1,6010B	MG
Sodium, Total	66	J	mg/kg	87	24.	1	08/16/10 17:55	08/17/10 11:19	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.87	0.26	1	08/16/10 17:55	08/17/10 11:19	EPA 3050B	1,6010B	MG
Vanadium, Total	4.3		mg/kg	0.43	0.11	1	08/16/10 17:55	08/17/10 11:19	EPA 3050B	1,6010B	MG
Zinc, Total	11		mg/kg	2.2	0.07	1	08/16/10 17:55	08/17/10 11:19	EPA 3050B	1,6010B	MG

Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012501-11

Date Collected: 08/12/10 08:55

Client ID: SP-10-12-055

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	2900		mg/kg	4.8	1.4	1	08/16/10 17:55	08/17/10 11:34	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.4	0.21	1	08/16/10 17:55	08/17/10 11:34	EPA 3050B	1,6010B	MG
Arsenic, Total	34		mg/kg	0.48	0.10	1	08/16/10 17:55	08/17/10 11:34	EPA 3050B	1,6010B	MG
Barium, Total	6.3		mg/kg	0.48	0.06	1	08/16/10 17:55	08/17/10 11:34	EPA 3050B	1,6010B	MG
Beryllium, Total	0.28		mg/kg	0.24	0.01	1	08/16/10 17:55	08/17/10 11:34	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.48	0.04	1	08/16/10 17:55	08/17/10 11:34	EPA 3050B	1,6010B	MG
Calcium, Total	330		mg/kg	4.8	0.87	1	08/16/10 17:55	08/17/10 11:34	EPA 3050B	1,6010B	MG
Chromium, Total	6.7		mg/kg	0.48	0.05	1	08/16/10 17:55	08/17/10 11:34	EPA 3050B	1,6010B	MG
Cobalt, Total	1.6		mg/kg	0.96	0.17	1	08/16/10 17:55	08/17/10 11:34	EPA 3050B	1,6010B	MG
Copper, Total	4.5		mg/kg	0.48	0.05	1	08/16/10 17:55	08/17/10 11:34	EPA 3050B	1,6010B	MG
Iron, Total	4600		mg/kg	2.4	0.86	1	08/16/10 17:55	08/17/10 11:34	EPA 3050B	1,6010B	MG
Lead, Total	4.1		mg/kg	2.4	0.06	1	08/16/10 17:55	08/17/10 11:34	EPA 3050B	1,6010B	MG
Magnesium, Total	1200		mg/kg	4.8	0.56	1	08/16/10 17:55	08/17/10 11:34	EPA 3050B	1,6010B	MG
Manganese, Total	57		mg/kg	0.48	0.02	1	08/16/10 17:55	08/17/10 11:34	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/16/10 14:36	08/17/10 14:41	EPA 7471A	1,7471A	EZ
Nickel, Total	6.1		mg/kg	1.2	0.08	1	08/16/10 17:55	08/17/10 11:34	EPA 3050B	1,6010B	MG
Potassium, Total	330		mg/kg	120	42	1	08/16/10 17:55	08/17/10 11:34	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	0.96	0.13	1	08/16/10 17:55	08/17/10 11:34	EPA 3050B	1,6010B	MG
Silver, Total	0.029	J	mg/kg	0.48	0.03	1	08/16/10 17:55	08/17/10 11:34	EPA 3050B	1,6010B	MG
Sodium, Total	ND		mg/kg	96	27	1	08/16/10 17:55	08/17/10 11:34	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.96	0.29	1	08/16/10 17:55	08/17/10 11:34	EPA 3050B	1,6010B	MG
Vanadium, Total	4.6		mg/kg	0.48	0.12	1	08/16/10 17:55	08/17/10 11:34	EPA 3050B	1,6010B	MG
Zinc, Total	11		mg/kg	2.4	0.08	1	08/16/10 17:55	08/17/10 11:34	EPA 3050B	1,6010B	MG

Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012501-12

Date Collected: 08/12/10 10:07

Client ID: SP-10-13-050

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3200		mg/kg	4.4	1.3	1	08/16/10 17:55	08/17/10 10:25	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.2	0.19	1	08/16/10 17:55	08/17/10 10:25	EPA 3050B	1,6010B	MG
Arsenic, Total	1.3		mg/kg	0.44	0.09	1	08/16/10 17:55	08/17/10 10:25	EPA 3050B	1,6010B	MG
Barium, Total	8.5		mg/kg	0.44	0.05	1	08/16/10 17:55	08/17/10 10:25	EPA 3050B	1,6010B	MG
Beryllium, Total	0.27		mg/kg	0.22	0.01	1	08/16/10 17:55	08/17/10 10:25	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.44	0.04	1	08/16/10 17:55	08/17/10 10:25	EPA 3050B	1,6010B	MG
Calcium, Total	480	J	mg/kg	4.4	0.79	1	08/16/10 17:55	08/17/10 10:25	EPA 3050B	1,6010B	MG
Chromium, Total	6.9		mg/kg	0.44	0.05	1	08/16/10 17:55	08/17/10 10:25	EPA 3050B	1,6010B	MG
Cobalt, Total	2.3		mg/kg	0.88	0.16	1	08/16/10 17:55	08/17/10 10:25	EPA 3050B	1,6010B	MG
Copper, Total	4.5		mg/kg	0.44	0.05	1	08/16/10 17:55	08/17/10 10:25	EPA 3050B	1,6010B	MG
Iron, Total	4000		mg/kg	2.2	0.78	1	08/16/10 17:55	08/17/10 10:25	EPA 3050B	1,6010B	MG
Lead, Total	3.8		mg/kg	2.2	0.06	1	08/16/10 17:55	08/17/10 10:25	EPA 3050B	1,6010B	MG
Magnesium, Total	1400	J	mg/kg	4.4	0.51	1	08/16/10 17:55	08/17/10 10:25	EPA 3050B	1,6010B	MG
Manganese, Total	44	J	mg/kg	0.44	0.02	1	08/16/10 17:55	08/17/10 10:25	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/16/10 14:36	08/17/10 14:43	EPA 7471A	1,7471A	EZ
Nickel, Total	6.7		mg/kg	1.1	0.07	1	08/16/10 17:55	08/17/10 10:25	EPA 3050B	1,6010B	MG
Potassium, Total	400		mg/kg	110	39	1	08/16/10 17:55	08/17/10 10:25	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	0.88	0.12	1	08/16/10 17:55	08/17/10 10:25	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.44	0.03	1	08/16/10 17:55	08/17/10 10:25	EPA 3050B	1,6010B	MG
Sodium, Total	ND		mg/kg	88	24	1	08/16/10 17:55	08/17/10 10:25	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.88	0.26	1	08/16/10 17:55	08/17/10 10:25	EPA 3050B	1,6010B	MG
Vanadium, Total	5.0		mg/kg	0.44	0.11	1	08/16/10 17:55	08/17/10 10:25	EPA 3050B	1,6010B	MG
Zinc, Total	12		mg/kg	2.2	0.07	1	08/16/10 17:55	08/17/10 10:25	EPA 3050B	1,6010B	MG



Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012501-13

Date Collected: 08/12/10 10:18

Client ID: SP-10-13-072

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3600		mg/kg	4.2	1.2	1	08/16/10 17:55	08/17/10 11:37	EPA 3050B	1,6010B	MG
Antimony, Total	0.22	J	mg/kg	2.1	0.18	1	08/16/10 17:55	08/17/10 11:37	EPA 3050B	1,6010B	MG
Arsenic, Total	7.6		mg/kg	0.42	0.08	1	08/16/10 17:55	08/17/10 11:37	EPA 3050B	1,6010B	MG
Barium, Total	8.6		mg/kg	0.42	0.05	1	08/16/10 17:55	08/17/10 11:37	EPA 3050B	1,6010B	MG
Beryllium, Total	0.26		mg/kg	0.21	0.01	1	08/16/10 17:55	08/17/10 11:37	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.42	0.03	1	08/16/10 17:55	08/17/10 11:37	EPA 3050B	1,6010B	MG
Calcium, Total	680		mg/kg	4.2	0.76	1	08/16/10 17:55	08/17/10 11:37	EPA 3050B	1,6010B	MG
Chromium, Total	8.2		mg/kg	0.42	0.05	1	08/16/10 17:55	08/17/10 11:37	EPA 3050B	1,6010B	MG
Cobalt, Total	1.8		mg/kg	0.84	0.15	1	08/16/10 17:55	08/17/10 11:37	EPA 3050B	1,6010B	MG
Copper, Total	5.5		mg/kg	0.42	0.05	1	08/16/10 17:55	08/17/10 11:37	EPA 3050B	1,6010B	MG
Iron, Total	9200		mg/kg	2.1	0.75	1	08/16/10 17:55	08/17/10 11:37	EPA 3050B	1,6010B	MG
Lead, Total	7.3		mg/kg	2.1	0.06	1	08/16/10 17:55	08/17/10 11:37	EPA 3050B	1,6010B	MG
Magnesium, Total	1600		mg/kg	4.2	0.49	1	08/16/10 17:55	08/17/10 11:37	EPA 3050B	1,6010B	MG
Manganese, Total	130		mg/kg	0.42	0.02	1	08/16/10 17:55	08/17/10 11:37	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.09	0.02	1	08/16/10 14:36	08/17/10 14:49	EPA 7471A	1,7471A	EZ
Nickel, Total	7.6		mg/kg	1.0	0.07	1	08/16/10 17:55	08/17/10 11:37	EPA 3050B	1,6010B	MG
Potassium, Total	390		mg/kg	100	37	1	08/16/10 17:55	08/17/10 11:37	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	0.84	0.12	1	08/16/10 17:55	08/17/10 11:37	EPA 3050B	1,6010B	MG
Silver, Total	0.1	J	mg/kg	0.42	0.03	1	08/16/10 17:55	08/17/10 11:37	EPA 3050B	1,6010B	MG
Sodium, Total	47	J	mg/kg	84	23	1	08/16/10 17:55	08/17/10 11:37	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.84	0.25	1	08/16/10 17:55	08/17/10 11:37	EPA 3050B	1,6010B	MG
Vanadium, Total	6.0		mg/kg	0.42	0.10	1	08/16/10 17:55	08/17/10 11:37	EPA 3050B	1,6010B	MG
Zinc, Total	13		mg/kg	2.1	0.07	1	08/16/10 17:55	08/17/10 11:37	EPA 3050B	1,6010B	MG



Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012501-14

Date Collected: 08/12/10 10:20

Client ID: SP-10-13-075

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4000		mg/kg	4.6	1.4	1	08/16/10 17:55	08/17/10 11:40	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.3	0.20	1	08/16/10 17:55	08/17/10 11:40	EPA 3050B	1,6010B	MG
Arsenic, Total	13		mg/kg	0.46	0.09	1	08/16/10 17:55	08/17/10 11:40	EPA 3050B	1,6010B	MG
Barium, Total	10		mg/kg	0.46	0.06	1	08/16/10 17:55	08/17/10 11:40	EPA 3050B	1,6010B	MG
Beryllium, Total	0.34		mg/kg	0.23	0.01	1	08/16/10 17:55	08/17/10 11:40	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.46	0.04	1	08/16/10 17:55	08/17/10 11:40	EPA 3050B	1,6010B	MG
Calcium, Total	560		mg/kg	4.6	0.82	1	08/16/10 17:55	08/17/10 11:40	EPA 3050B	1,6010B	MG
Chromium, Total	9.3		mg/kg	0.46	0.05	1	08/16/10 17:55	08/17/10 11:40	EPA 3050B	1,6010B	MG
Cobalt, Total	2.3		mg/kg	0.91	0.16	1	08/16/10 17:55	08/17/10 11:40	EPA 3050B	1,6010B	MG
Copper, Total	5.9		mg/kg	0.46	0.05	1	08/16/10 17:55	08/17/10 11:40	EPA 3050B	1,6010B	MG
Iron, Total	7300		mg/kg	2.3	0.81	1	08/16/10 17:55	08/17/10 11:40	EPA 3050B	1,6010B	MG
Lead, Total	6.6		mg/kg	2.3	0.06	1	08/16/10 17:55	08/17/10 11:40	EPA 3050B	1,6010B	MG
Magnesium, Total	1700		mg/kg	4.6	0.53	1	08/16/10 17:55	08/17/10 11:40	EPA 3050B	1,6010B	MG
Manganese, Total	170		mg/kg	0.46	0.02	1	08/16/10 17:55	08/17/10 11:40	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.09	0.02	1	08/16/10 14:36	08/17/10 14:54	EPA 7471A	1,7471A	EZ
Nickel, Total	8.0		mg/kg	1.1	0.07	1	08/16/10 17:55	08/17/10 11:40	EPA 3050B	1,6010B	MG
Potassium, Total	600		mg/kg	110	40	1	08/16/10 17:55	08/17/10 11:40	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	0.91	0.13	1	08/16/10 17:55	08/17/10 11:40	EPA 3050B	1,6010B	MG
Silver, Total	0.28	J	mg/kg	0.46	0.03	1	08/16/10 17:55	08/17/10 11:40	EPA 3050B	1,6010B	MG
Sodium, Total	52	J	mg/kg	91	25	1	08/16/10 17:55	08/17/10 11:40	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.91	0.27	1	08/16/10 17:55	08/17/10 11:40	EPA 3050B	1,6010B	MG
Vanadium, Total	7.2		mg/kg	0.46	0.11	1	08/16/10 17:55	08/17/10 11:40	EPA 3050B	1,6010B	MG
Zinc, Total	16		mg/kg	2.3	0.07	1	08/16/10 17:55	08/17/10 11:40	EPA 3050B	1,6010B	MG



Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012501-15

Date Collected: 08/12/10 10:22

Client ID: SP-10-13-077

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	2700		mg/kg	4.5	1.3	1	08/16/10 17:55	08/17/10 11:44	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.2	0.19	1	08/16/10 17:55	08/17/10 11:44	EPA 3050B	1,6010B	MG
Arsenic, Total	14		mg/kg	0.45	0.09	1	08/16/10 17:55	08/17/10 11:44	EPA 3050B	1,6010B	MG
Barium, Total	9.9		mg/kg	0.45	0.05	1	08/16/10 17:55	08/17/10 11:44	EPA 3050B	1,6010B	MG
Beryllium, Total	0.49		mg/kg	0.22	0.01	1	08/16/10 17:55	08/17/10 11:44	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.45	0.04	1	08/16/10 17:55	08/17/10 11:44	EPA 3050B	1,6010B	MG
Calcium, Total	1100		mg/kg	4.5	0.81	1	08/16/10 17:55	08/17/10 11:44	EPA 3050B	1,6010B	MG
Chromium, Total	6.2		mg/kg	0.45	0.05	1	08/16/10 17:55	08/17/10 11:44	EPA 3050B	1,6010B	MG
Cobalt, Total	1.7		mg/kg	0.90	0.16	1	08/16/10 17:55	08/17/10 11:44	EPA 3050B	1,6010B	MG
Copper, Total	3.4		mg/kg	0.45	0.05	1	08/16/10 17:55	08/17/10 11:44	EPA 3050B	1,6010B	MG
Iron, Total	4800		mg/kg	2.2	0.80	1	08/16/10 17:55	08/17/10 11:44	EPA 3050B	1,6010B	MG
Lead, Total	9.4		mg/kg	2.2	0.06	1	08/16/10 17:55	08/17/10 11:44	EPA 3050B	1,6010B	MG
Magnesium, Total	1100		mg/kg	4.5	0.52	1	08/16/10 17:55	08/17/10 11:44	EPA 3050B	1,6010B	MG
Manganese, Total	230		mg/kg	0.45	0.02	1	08/16/10 17:55	08/17/10 11:44	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.07	0.02	1	08/16/10 14:36	08/17/10 14:56	EPA 7471A	1,7471A	EZ
Nickel, Total	5.2		mg/kg	1.1	0.07	1	08/16/10 17:55	08/17/10 11:44	EPA 3050B	1,6010B	MG
Potassium, Total	610		mg/kg	110	40	1	08/16/10 17:55	08/17/10 11:44	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	0.90	0.12	1	08/16/10 17:55	08/17/10 11:44	EPA 3050B	1,6010B	MG
Silver, Total	0.093	J	mg/kg	0.45	0.03	1	08/16/10 17:55	08/17/10 11:44	EPA 3050B	1,6010B	MG
Sodium, Total	52	J	mg/kg	90	25	1	08/16/10 17:55	08/17/10 11:44	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.90	0.27	1	08/16/10 17:55	08/17/10 11:44	EPA 3050B	1,6010B	MG
Vanadium, Total	4.5		mg/kg	0.45	0.11	1	08/16/10 17:55	08/17/10 11:44	EPA 3050B	1,6010B	MG
Zinc, Total	22		mg/kg	2.2	0.07	1	08/16/10 17:55	08/17/10 11:44	EPA 3050B	1,6010B	MG

Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012501
Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012501-16
Client ID: SP-10-13-083
Sample Location: DEVENS, MA
Matrix: Soil
Percent Solids: 91%

Date Collected: 08/12/10 10:25
Date Received: 08/12/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3800		mg/kg	4.4	1.3	1	08/16/10 17:55	08/17/10 11:47	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.2	0.19	1	08/16/10 17:55	08/17/10 11:47	EPA 3050B	1,6010B	MG
Arsenic, Total	23		mg/kg	0.44	0.09	1	08/16/10 17:55	08/17/10 11:47	EPA 3050B	1,6010B	MG
Barium, Total	15		mg/kg	0.44	0.05	1	08/16/10 17:55	08/17/10 11:47	EPA 3050B	1,6010B	MG
Beryllium, Total	0.94		mg/kg	0.22	0.01	1	08/16/10 17:55	08/17/10 11:47	EPA 3050B	1,6010B	MG
Cadmium, Total	0.3	J	mg/kg	0.44	0.04	1	08/16/10 17:55	08/17/10 11:47	EPA 3050B	1,6010B	MG
Calcium, Total	1600		mg/kg	4.4	0.80	1	08/16/10 17:55	08/17/10 11:47	EPA 3050B	1,6010B	MG
Chromium, Total	6.0		mg/kg	0.44	0.05	1	08/16/10 17:55	08/17/10 11:47	EPA 3050B	1,6010B	MG
Cobalt, Total	1.4		mg/kg	0.88	0.16	1	08/16/10 17:55	08/17/10 11:47	EPA 3050B	1,6010B	MG
Copper, Total	23		mg/kg	0.44	0.05	1	08/16/10 17:55	08/17/10 11:47	EPA 3050B	1,6010B	MG
Iron, Total	5700		mg/kg	2.2	0.78	1	08/16/10 17:55	08/17/10 11:47	EPA 3050B	1,6010B	MG
Lead, Total	49		mg/kg	2.2	0.06	1	08/16/10 17:55	08/17/10 11:47	EPA 3050B	1,6010B	MG
Magnesium, Total	510		mg/kg	4.4	0.51	1	08/16/10 17:55	08/17/10 11:47	EPA 3050B	1,6010B	MG
Manganese, Total	600		mg/kg	0.44	0.02	1	08/16/10 17:55	08/17/10 11:47	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/16/10 14:36	08/17/10 14:58	EPA 7471A	1,7471A	EZ
Nickel, Total	2.5		mg/kg	1.1	0.07	1	08/16/10 17:55	08/17/10 11:47	EPA 3050B	1,6010B	MG
Potassium, Total	2000		mg/kg	110	39	1	08/16/10 17:55	08/17/10 11:47	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	0.88	0.12	1	08/16/10 17:55	08/17/10 11:47	EPA 3050B	1,6010B	MG
Silver, Total	2.2		mg/kg	0.44	0.03	1	08/16/10 17:55	08/17/10 11:47	EPA 3050B	1,6010B	MG
Sodium, Total	420		mg/kg	88	24	1	08/16/10 17:55	08/17/10 11:47	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.88	0.26	1	08/16/10 17:55	08/17/10 11:47	EPA 3050B	1,6010B	MG
Vanadium, Total	2.1		mg/kg	0.44	0.11	1	08/16/10 17:55	08/17/10 11:47	EPA 3050B	1,6010B	MG
Zinc, Total	85		mg/kg	2.2	0.07	1	08/16/10 17:55	08/17/10 11:47	EPA 3050B	1,6010B	MG



Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012501-17
 Client ID: SDUP2-081210
 Sample Location: DEVENS, MA
 Matrix: Soil
 Percent Solids: 84%

Date Collected: 08/12/10 08:45
 Date Received: 08/12/10
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3200		mg/kg	4.8	1.4	1	08/16/10 17:55	08/17/10 11:50	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.4	0.21	1	08/16/10 17:55	08/17/10 11:50	EPA 3050B	1,6010B	MG
Arsenic, Total	9.2		mg/kg	0.48	0.10	1	08/16/10 17:55	08/17/10 11:50	EPA 3050B	1,6010B	MG
Barium, Total	9.0		mg/kg	0.48	0.06	1	08/16/10 17:55	08/17/10 11:50	EPA 3050B	1,6010B	MG
Beryllium, Total	0.24		mg/kg	0.24	0.01	1	08/16/10 17:55	08/17/10 11:50	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.48	0.04	1	08/16/10 17:55	08/17/10 11:50	EPA 3050B	1,6010B	MG
Calcium, Total	580		mg/kg	4.8	0.88	1	08/16/10 17:55	08/17/10 11:50	EPA 3050B	1,6010B	MG
Chromium, Total	6.1		mg/kg	0.48	0.05	1	08/16/10 17:55	08/17/10 11:50	EPA 3050B	1,6010B	MG
Cobalt, Total	1.7		mg/kg	0.97	0.17	1	08/16/10 17:55	08/17/10 11:50	EPA 3050B	1,6010B	MG
Copper, Total	9.0		mg/kg	0.48	0.05	1	08/16/10 17:55	08/17/10 11:50	EPA 3050B	1,6010B	MG
Iron, Total	5300		mg/kg	2.4	0.86	1	08/16/10 17:55	08/17/10 11:50	EPA 3050B	1,6010B	MG
Lead, Total	14		mg/kg	2.4	0.06	1	08/16/10 17:55	08/17/10 11:50	EPA 3050B	1,6010B	MG
Magnesium, Total	1200		mg/kg	4.8	0.56	1	08/16/10 17:55	08/17/10 11:50	EPA 3050B	1,6010B	MG
Manganese, Total	84		mg/kg	0.48	0.02	1	08/16/10 17:55	08/17/10 11:50	EPA 3050B	1,6010B	MG
Mercury, Total	0.48		mg/kg	0.08	0.02	1	08/16/10 14:36	08/17/10 14:59	EPA 7471A	1,7471A	EZ
Nickel, Total	5.9		mg/kg	1.2	0.08	1	08/16/10 17:55	08/17/10 11:50	EPA 3050B	1,6010B	MG
Potassium, Total	440		mg/kg	120	43.	1	08/16/10 17:55	08/17/10 11:50	EPA 3050B	1,6010B	MG
Selenium, Total	0.14	J	mg/kg	0.97	0.14	1	08/16/10 17:55	08/17/10 11:50	EPA 3050B	1,6010B	MG
Silver, Total	0.038	J	mg/kg	0.48	0.03	1	08/16/10 17:55	08/17/10 11:50	EPA 3050B	1,6010B	MG
Sodium, Total	48	J	mg/kg	97	27.	1	08/16/10 17:55	08/17/10 11:50	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.97	0.29	1	08/16/10 17:55	08/17/10 11:50	EPA 3050B	1,6010B	MG
Vanadium, Total	4.9		mg/kg	0.48	0.12	1	08/16/10 17:55	08/17/10 11:50	EPA 3050B	1,6010B	MG
Zinc, Total	17		mg/kg	2.4	0.08	1	08/16/10 17:55	08/17/10 11:50	EPA 3050B	1,6010B	MG



Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012501-18

Date Collected: 08/12/10 08:48

Client ID: SDUP3-081210

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	2800		mg/kg	4.4	1.3	1	08/16/10 17:55	08/17/10 11:53	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.2	0.19	1	08/16/10 17:55	08/17/10 11:53	EPA 3050B	1,6010B	MG
Arsenic, Total	15		mg/kg	0.44	0.09	1	08/16/10 17:55	08/17/10 11:53	EPA 3050B	1,6010B	MG
Barium, Total	8.7		mg/kg	0.44	0.05	1	08/16/10 17:55	08/17/10 11:53	EPA 3050B	1,6010B	MG
Beryllium, Total	0.24		mg/kg	0.22	0.01	1	08/16/10 17:55	08/17/10 11:53	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.44	0.04	1	08/16/10 17:55	08/17/10 11:53	EPA 3050B	1,6010B	MG
Calcium, Total	640		mg/kg	4.4	0.80	1	08/16/10 17:55	08/17/10 11:53	EPA 3050B	1,6010B	MG
Chromium, Total	7.4		mg/kg	0.44	0.05	1	08/16/10 17:55	08/17/10 11:53	EPA 3050B	1,6010B	MG
Cobalt, Total	1.8		mg/kg	0.88	0.16	1	08/16/10 17:55	08/17/10 11:53	EPA 3050B	1,6010B	MG
Copper, Total	14		mg/kg	0.44	0.05	1	08/16/10 17:55	08/17/10 11:53	EPA 3050B	1,6010B	MG
Iron, Total	4800		mg/kg	2.2	0.78	1	08/16/10 17:55	08/17/10 11:53	EPA 3050B	1,6010B	MG
Lead, Total	16		mg/kg	2.2	0.06	1	08/16/10 17:55	08/17/10 11:53	EPA 3050B	1,6010B	MG
Magnesium, Total	1000		mg/kg	4.4	0.51	1	08/16/10 17:55	08/17/10 11:53	EPA 3050B	1,6010B	MG
Manganese, Total	70		mg/kg	0.44	0.02	1	08/16/10 17:55	08/17/10 11:53	EPA 3050B	1,6010B	MG
Mercury, Total	0.79		mg/kg	0.09	0.02	1	08/16/10 14:36	08/17/10 15:01	EPA 7471A	1,7471A	EZ
Nickel, Total	5.7		mg/kg	1.1	0.07	1	08/16/10 17:55	08/17/10 11:53	EPA 3050B	1,6010B	MG
Potassium, Total	390		mg/kg	110	39	1	08/16/10 17:55	08/17/10 11:53	EPA 3050B	1,6010B	MG
Selenium, Total	0.13	J	mg/kg	0.88	0.12	1	08/16/10 17:55	08/17/10 11:53	EPA 3050B	1,6010B	MG
Silver, Total	0.032	J	mg/kg	0.44	0.03	1	08/16/10 17:55	08/17/10 11:53	EPA 3050B	1,6010B	MG
Sodium, Total	28	J	mg/kg	88	24	1	08/16/10 17:55	08/17/10 11:53	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.88	0.26	1	08/16/10 17:55	08/17/10 11:53	EPA 3050B	1,6010B	MG
Vanadium, Total	4.6		mg/kg	0.44	0.11	1	08/16/10 17:55	08/17/10 11:53	EPA 3050B	1,6010B	MG
Zinc, Total	16		mg/kg	2.2	0.07	1	08/16/10 17:55	08/17/10 11:53	EPA 3050B	1,6010B	MG



Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-18 Batch: WG427861-1									
Mercury, Total	ND	mg/kg	0.08	0.02	1	08/16/10 14:36	08/17/10 14:14	1,7471A	EZ

Prep Information

Digestion Method: EPA 7471A

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-18 Batch: WG427886-1									
Aluminum, Total	ND	mg/kg	4.0	1.2	1	08/16/10 17:55	08/17/10 08:12	1,6010B	MG
Antimony, Total	ND	mg/kg	2.0	0.17	1	08/16/10 17:55	08/17/10 08:12	1,6010B	MG
Arsenic, Total	ND	mg/kg	0.40	0.08	1	08/16/10 17:55	08/17/10 08:12	1,6010B	MG
Barium, Total	ND	mg/kg	0.40	0.05	1	08/16/10 17:55	08/17/10 08:12	1,6010B	MG
Beryllium, Total	ND	mg/kg	0.20	0.01	1	08/16/10 17:55	08/17/10 08:12	1,6010B	MG
Cadmium, Total	ND	mg/kg	0.40	0.03	1	08/16/10 17:55	08/17/10 08:12	1,6010B	MG
Calcium, Total	ND	mg/kg	4.0	0.72	1	08/16/10 17:55	08/17/10 08:12	1,6010B	MG
Chromium, Total	ND	mg/kg	0.40	0.04	1	08/16/10 17:55	08/17/10 08:12	1,6010B	MG
Cobalt, Total	ND	mg/kg	0.80	0.14	1	08/16/10 17:55	08/17/10 08:12	1,6010B	MG
Copper, Total	ND	mg/kg	0.40	0.04	1	08/16/10 17:55	08/17/10 08:12	1,6010B	MG
Iron, Total	ND	mg/kg	2.0	0.71	1	08/16/10 17:55	08/17/10 08:12	1,6010B	MG
Lead, Total	ND	mg/kg	2.0	0.05	1	08/16/10 17:55	08/17/10 08:12	1,6010B	MG
Magnesium, Total	ND	mg/kg	4.0	0.46	1	08/16/10 17:55	08/17/10 08:12	1,6010B	MG
Manganese, Total	ND	mg/kg	0.40	0.02	1	08/16/10 17:55	08/17/10 08:12	1,6010B	MG
Nickel, Total	ND	mg/kg	1.0	0.06	1	08/16/10 17:55	08/17/10 08:12	1,6010B	MG
Potassium, Total	ND	mg/kg	100	35	1	08/16/10 17:55	08/17/10 08:12	1,6010B	MG
Selenium, Total	ND	mg/kg	0.80	0.11	1	08/16/10 17:55	08/17/10 08:12	1,6010B	MG
Silver, Total	ND	mg/kg	0.40	0.02	1	08/16/10 17:55	08/17/10 08:12	1,6010B	MG
Sodium, Total	ND	mg/kg	80	22	1	08/16/10 17:55	08/17/10 08:12	1,6010B	MG
Thallium, Total	ND	mg/kg	0.80	0.24	1	08/16/10 17:55	08/17/10 08:12	1,6010B	MG
Vanadium, Total	ND	mg/kg	0.40	0.10	1	08/16/10 17:55	08/17/10 08:12	1,6010B	MG
Zinc, Total	ND	mg/kg	2.0	0.06	1	08/16/10 17:55	08/17/10 08:12	1,6010B	MG

Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3050B



Lab Control Sample Analysis
Batch Quality Control

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012501

Report Date: 08/31/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s) 01-18 Batch: WG427861-2								
Mercury, Total	111				80-120	-		20

Lab Control Sample Analysis Batch Quality Control

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012501

Report Date: 08/31/10

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-18 Batch: WG427886-2					
Aluminum, Total	95	-	80-120	-	
Antimony, Total	95	-	80-120	-	
Arsenic, Total	102	-	80-120	-	
Barium, Total	95	-	80-120	-	
Beryllium, Total	100	-	80-120	-	
Cadmium, Total	103	-	80-120	-	
Calcium, Total	90	-	80-120	-	
Chromium, Total	97	-	80-120	-	
Cobalt, Total	95	-	80-120	-	
Copper, Total	98	-	80-120	-	
Iron, Total	103	-	80-120	-	
Lead, Total	98	-	80-120	-	
Magnesium, Total	95	-	80-120	-	
Manganese, Total	95	-	80-120	-	
Nickel, Total	95	-	80-120	-	
Potassium, Total	93	-	80-120	-	
Selenium, Total	98	-	80-120	-	
Silver, Total	100	-	75-120	-	
Sodium, Total	103	-	80-120	-	
Thallium, Total	102	-	80-120	-	
Vanadium, Total	100	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012501

Report Date: 08/31/10

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-18 Batch: WG427886-2					
Zinc, Total	95		80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012501
Report Date: 08/31/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-18 QC Batch ID: WG427861-3 WG427861-4 QC Sample: L1012501-12 Client ID: SP-10-13-050												
Mercury, Total	ND	0.152	0.15	99		0.19	103		80-120	24	Q	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012501

Report Date: 08/31/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-18 QC Batch ID: WG427886-3 WG427886-4 QC Sample: L1012501-12 Client ID: SP-10-13-050									
Aluminum, Total	3200	88.5	3200	0	3000	0	80-120	6	20
Antimony, Total	ND	22.1	14	63	15	67	80-120	7	20
Arsenic, Total	1.3	5.31	6.7	102	6.6	99	80-120	2	20
Barium, Total	8.5	88.5	93	96	91	92	80-120	2	20
Beryllium, Total	0.27	2.21	2.5	101	2.5	100	80-120	0	20
Cadmium, Total	ND	2.26	2.3	102	2.2	97	80-120	4	20
Calcium, Total	480	442	840	81	800	72	80-120	5	20
Chromium, Total	6.9	8.85	14	80	14	80	80-120	0	20
Cobalt, Total	2.3	22.1	24	98	23	93	80-120	4	20
Copper, Total	4.5	11	15	95	15	94	80-120	0	20
Iron, Total	4000	44.2	4100	226	3800	0	80-120	8	20
Lead, Total	3.8	22.6	26	98	27	102	80-120	4	20
Magnesium, Total	1400	442	1700	68	1500	22	80-120	13	20
Manganese, Total	44	22.1	66	99	61	76	80-120	8	20
Nickel, Total	6.7	22.1	27	92	27	91	80-120	0	20
Potassium, Total	400	442	830	97	770	83	80-120	8	20
Selenium, Total	ND	5.31	5.4	102	5.1	95	80-120	6	20
Silver, Total	ND	13.3	14	106	14	104	75-120	0	20
Sodium, Total	ND	442	510	115	520	116	80-120	2	20
Thallium, Total	ND	5.31	5.2	98	5.3	99	80-120	2	20
Vanadium, Total	5.0	22.1	26	95	25	90	80-120	4	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012501
Report Date: 08/31/10

Parameter	Native Sample	MS. Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-18 QC Batch ID: WG427886-3 WG427886-4 QC Sample: L1012501-12 Client ID: SP-10-13-050									
Zinc, Total	12	22.1	32	90	31	85	80-120	3	20

INORGANICS & MISCELLANEOUS

Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012501-01

Date Collected: 08/12/10 08:30

Client ID: SP-10-12-001

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	3.83		%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR
Total Organic Carbon (Rep2)	3.97		%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	97		%	0.10	NA	1	-	08/13/10 16:33	30,2540G	AC



Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012501-02

Date Collected: 08/12/10 08:33

Client ID: SP-10-12-005

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	5.87		%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR
Total Organic Carbon (Rep2)	7.56		%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	89		%	0.10	NA	1	-	08/13/10 16:33	30,2540G	AC



Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012501-03

Date Collected: 08/12/10 08:35

Client ID: SP-10-12-009

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	0.744		%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR
Total Organic Carbon (Rep2)	0.714		%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	98		%	0.10	NA	1	-	08/13/10 16:33	30,2540G	AC

Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012501-04

Date Collected: 08/12/10 08:37

Client ID: SP-10-12-015

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	0.185		%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR
Total Organic Carbon (Rep2)	0.129		%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	94		%	0.10	NA	1	-	08/13/10 16:33	30,2540G	AC



Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012501
Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012501-05
Client ID: SP-10-12-017
Sample Location: DEVENS, MA
Matrix: Soil

Date Collected: 08/12/10 08:40
Date Received: 08/12/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	0.094		%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR
Total Organic Carbon (Rep2)	0.058		%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	91		%	0.10	NA	1	-	08/13/10 16:33	30,2540G	AC

Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012501-06

Date Collected: 08/12/10 08:42

Client ID: SP-10-12-025

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	ND		%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR
Total Organic Carbon (Rep2)	ND		%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	91		%	0.10	NA	1	-	08/13/10 16:33	30,2540G	AC

Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012501
Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012501-07
Client ID: SP-10-12-035
Sample Location: DEVENS, MA
Matrix: Soil

Date Collected: 08/12/10 08:45
Date Received: 08/12/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	0.062		%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR
Total Organic Carbon (Rep2)	0.152		%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	81		%	0.10	NA	1	-	08/13/10 16:33	30,2540G	AC



Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012501

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012501-08

Client ID: SP-10-12-040

Sample Location: DEVENS, MA

Matrix: Soil

Date Collected: 08/12/10 08:48

Date Received: 08/12/10

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	0.117		%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR
Total Organic Carbon (Rep2)	0.089		%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	91		%	0.10	NA	1	-	08/13/10 16:33	30,2540G	AC



Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012501-09

Date Collected: 08/12/10 08:50

Client ID: SP-10-12-042

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	ND		%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR
Total Organic Carbon (Rep2)	ND		%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	86		%	0.10	NA	1	-	08/13/10 16:33	30,2540G	AC

Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012501-10

Date Collected: 08/12/10 08:52

Client ID: SP-10-12-052

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	0.019		%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR
Total Organic Carbon (Rep2)	ND		%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	89		%	0.10	NA	1	-	08/13/10 16:33	30,2540G	AC

Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012501-11

Date Collected: 08/12/10 08:55

Client ID: SP-10-12-055

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	ND		%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR
Total Organic Carbon (Rep2)	ND		%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	81		%	0.10	NA	1	-	08/13/10 16:33	30,2540G	AC



Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012501-12

Date Collected: 08/12/10 10:07

Client ID: SP-10-13-050

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	ND		%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR
Total Organic Carbon (Rep2)	ND		%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	90		%	0.10	NA	1	-	08/13/10 16:33	30,2540G	AC

Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012501
Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012501-13
Client ID: SP-10-13-072
Sample Location: DEVENS, MA
Matrix: Soil

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	ND		%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR
Total Organic Carbon (Rep2)	ND		%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	94		%	0.10	NA	1	-	08/13/10 16:33	30,2540G	AC

Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012501-14

Date Collected: 08/12/10 10:20

Client ID: SP-10-13-075

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	ND		%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR
Total Organic Carbon (Rep2)	ND		%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	90		%	0.10	NA	1	-	08/13/10 16:33	30,2540G	AC



Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012501
Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012501-15
Client ID: SP-10-13-077
Sample Location: DEVENS, MA
Matrix: Soil

Date Collected: 08/12/10 10:22
Date Received: 08/12/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	ND		%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR
Total Organic Carbon (Rep2)	ND		%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	89		%	0.10	NA	1	-	08/13/10 16:33	30,2540G	AC



Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012501-16

Date Collected: 08/12/10 10:25

Client ID: SP-10-13-083

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	ND		%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR
Total Organic Carbon (Rep2)	ND		%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	91		%	0.10	NA	1	-	08/13/10 16:33	30,2540G	AC



Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012501

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012501-17

Client ID: SDUP2-081210

Sample Location: DEVENS, MA

Matrix: Soil

Date Collected: 08/12/10 08:45

Date Received: 08/12/10

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84		%	0.10	NA	1	-	08/13/10 16:33	30,2540G	AC



Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012501-18

Date Collected: 08/12/10 08:48

Client ID: SDUP3-081210

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90		%	0.10	NA	1	-	08/13/10 16:33	30,2540G	AC

Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab for sample(s): 01-16 Batch: WG427741-1										
Total Organic Carbon (Rep1)	ND		%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR
Total Organic Carbon (Rep2)	ND		%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR



Project Name: SHL TASK 0002

Project Number: AC001

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L1012501

Report Date: 08/31/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-18 QC Batch ID: WG427592-1 QC Sample: L1012498-05 Client ID: DUP Sample						
Solids, Total	85	85	%	0		20

Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

S.R.M. Standard Quality Control

Standard Reference Material (SRM): WG427741-2

Parameter	% Recovery	Qual	QC Criteria
Total Organic Carbon (Rep1)	106		75-125
Total Organic Carbon (Rep2)	114		75-125

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012501

Report Date: 08/31/10

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

A Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012501-01A	Amber 250ml unpreserved	A	N/A	2.3	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012501-01X	Amber 100ml unpreserved split	A	N/A	2.3	Y	Present/Intact	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012501

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012501-02A	Amber 250ml unpreserved	A	N/A	2.3	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012501-02X	Glass 100ml unpreserved split	A	N/A	2.3	Y	Present/Intact	A2-TOC-9060-2REPS(28)
L1012501-03A	Amber 250ml unpreserved	A	N/A	2.3	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012501-03X	Amber 100ml unpreserved split	A	N/A	2.3	Y	Present/Intact	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012501-04A	Amber 250ml unpreserved	A	N/A	2.3	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012501-04X	Glass 100ml unpreserved split	A	N/A	2.3	Y	Present/Intact	A2-TOC-9060-2REPS(28)
L1012501-05A	Amber 250ml unpreserved	A	N/A	2.3	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012501-05X	Amber 100ml unpreserved split	A	N/A	2.3	Y	Present/Intact	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012501

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012501-06A	Amber 250ml unpreserved	A	N/A	2.3	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012501-06X	Vial Large unpreserved split	A	N/A	2.3	Y	Present/Intact	A2-TOC-9060-2REPS(28)
L1012501-07A	Glass 250ml unpreserved	A	N/A	2.3	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012501-07X	Vial Large unpreserved split	A	N/A	2.3	Y	Present/Intact	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012501

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012501-08A	Amber 250ml unpreserved	A	N/A	2.3	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012501-08X	Vial Large unpreserved split	A	N/A	2.3	Y	Present/Intact	A2-TOC-9060-2REPS(28)
L1012501-09A	Amber 250ml unpreserved	A	N/A	2.3	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012501-09X	Vial Large unpreserved split	A	N/A	2.3	Y	Present/Intact	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012501-10A	Amber 250ml unpreserved	A	N/A	2.3	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012501-10X	Vial Large unpreserved split	A	N/A	2.3	Y	Present/Intact	A2-TOC-9060-2REPS(28)
L1012501-11A	Amber 250ml unpreserved	A	N/A	2.3	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012501-11X	Vial Large unpreserved split	A	N/A	2.3	Y	Present/Intact	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012501

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012501-12A	Amber 250ml unpreserved	A	N/A	2.3	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012501-12X	Amber 250ml unpreserved	A	N/A	2.3	Y	Present/Intact	A2-TOC-9060-2REPS(28)
L1012501-13A	Amber 250ml unpreserved	A	N/A	2.3	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012501-13X	Vial Large unpreserved split	A	N/A	2.3	Y	Present/Intact	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012501-14A	Amber 250ml unpreserved	A	N/A	2.3	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012501-14X	Vial Large unpreserved split	A	N/A	2.3	Y	Present/Intact	A2-TOC-9060-2REPS(28)
L1012501-15A	Amber 250ml unpreserved	A	N/A	2.3	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012501-15X	Vial Large unpreserved split	A	N/A	2.3	Y	Present/Intact	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012501

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012501-16A	Amber 250ml unpreserved	A	N/A	2.3	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012501-16X	Vial Large unpreserved split	A	N/A	2.3	Y	Present/Intact	A2-TOC-9060-2REPS(28)
L1012501-17A	Glass 250ml unpreserved	A	N/A	2.3	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012501-18A	Amber 250ml unpreserved	A	N/A	2.3	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012501
Report Date: 08/31/10

GLOSSARY

Acronyms

- EPA - Environmental Protection Agency.
- LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
- LCSD - Laboratory Control Sample Duplicate: Refer to LCS.
- MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
- MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
- MSD - Matrix Spike Sample Duplicate: Refer to MS.
- NA - Not Applicable.
- NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
- NI - Not Ignitable.
- RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
- RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.

Report Format: DU Report with "J" Qualifiers

Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

Data Qualifiers

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL). This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample.

Report Format: DU Report with "J" Qualifiers



Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012501
Report Date: 08/31/10

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

The analyses performed on the sample(s) within this report are in accordance with the minimum established guidelines set forth in the Department of Defense Quality Systems Manual, Version 4.1, issued April 22, 2009

LIMITATION OF LIABILITIES

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

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



Certificate/Approval Program Summary

Last revised July 19, 2010 - Westboro Facility

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

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

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

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

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Volatile Organics, Acid Extractables (Phenols), 3,3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024

Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624, ME DRO, ME GRO, MA EPH, MA VPH.)

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

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

Drinking Water

Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)

(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)

353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.

Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)

(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.

Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D

Non-Potable Water

Inorganic Parameters: (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)

(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl,V,Zn,Ca,Mg,Na,K)

245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B, C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)

(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO₃-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. *Organic Parameters:* 504.1, 524.2, SM6251B.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH₃-H, 4500NH₃-E, 4500NO₂-B, 4500P-E, 4500-S₂-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. *Organic Parameters:* SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. *Organic Parameters:* SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO₃-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. *Organic Parameters:* 504.1, SM6251B, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO₃-F, 4500NO₂-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B₅+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH₃-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. *Organic Parameters:* SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. *Organic Parameters:* SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev 7.)

New York Department of Health Certificate/Lab ID: 11148. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO₃-F, 2540C, EPA 120.1, SM 2510B. *Organic Parameters:* EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH₃-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO₃-F, 4500-NO₂-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. *Organic Parameters:* EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)

Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. *Organic Parameters:* EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

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

Pennsylvania Department of Environmental Protection Certificate/Lab ID: 68-03671. NELAP Accredited.

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

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. *Organic Parameters:* 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. NELAP Accredited via NY-DOH.

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 9010B, 9014, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 9045C, 9060. Organic Parameters: SW-846 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 3570, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610B, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: EPA 310.1, SM2320B, EPA 365.2, 160.1, EPA 160.2, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 335.2, 9014, 150.1, 9040B, 120.1, SM2510B, EPA 376.2, 180.1, 9010B. Organic Parameters: EPA 624, 8260B, 8270C, 608, 8081A, 625, 8082, 3510C, 3511, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, SW-846 Ch7 Sec 7.3, EPA 6020, 7196A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 3050B, 3580, 3050B, 3035, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. **NELAP Accredited via LA-DEQ.**

Refer to MA-DEP Certificate for Non-Potable Water.

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. **NELAP Accredited.**

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8260, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

U.S. Army Corps of Engineers

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

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 3051, 6020, 747A, 7474, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580, 3570, 3540C, 5035, 8260B, 8270C, 8270 Alk-PAH, 8082, 8081A, 8015 (SHC), 8015 (DRO).

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **8270C**: Biphenyl.



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

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

CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 8/12/10

ALPHA Job #: L1012501

Project Information

Project Name: SHL TASK 0002

Project Location: Duxens, MA

Project #: ACC001

Project Manager: Phil McBain

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: 8/19/10 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL EDR
☐ ADEX ☐ Add'l Deliverables

Billing Information

☐ Same as Client Info PO #:

Regulatory Requirements/Report Limits

State/Fed Program Criteria See CRAPP

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?

Client Information

Client: Sovereign Consulting Inc

Address: 905B S Main St

Mansfield, MA 02048

Phone: 508-339-3200

Fax: 508-339-3248

Email: pmlmbain@sovcon.com

☐ These samples have been previously analyzed by Alpha

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)

SDG # = 30 - closed

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS										TOTAL # BOTTLES
		Date	Time													
2501-01	SP-10-12-001	8/12/10	0830	S	WJW	✓	✓									1
-02	SP-10-12-005	8/12/10	0833	S	WJW	✓	✓									1
-03	SP-10-12-009	8/12/10	0835	S	WJW	✓	✓									1
-04	SP-10-12-015	8/12/10	0837	S	WJW	✓	✓									1
-05	SP-10-12-017	8/12/10	0840	S	WJW	✓	✓									1
-06	SP-10-12-025	8/12/10	0842	S	WJW	✓	✓									1
-07	SP-10-12-035	8/12/10	0845	S	WJW	✓	✓									1
-08	SP-10-12-040	8/12/10	0848	S	WJW	✓	✓									1
-09	SP-10-12-042	8/12/10	0850	S	WJW	✓	✓									1
-10	SP-10-12-052	8/12/10	0852	S	WJW	✓	✓									1

PLEASE ANSWER QUESTIONS ABOVE!

Container Type A A

Preservative A A

IS YOUR PROJECT
MA MCP or CT RCP?

Relinquished By:

Date/Time

Received By:

Date/Time

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.



WESTBORO, MA
TEL: 508-890-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3268

CHAIN OF CUSTODY

PAGE 2 OF

Date Rec'd in Lab: 8/12/10

ALPHA Job # 21012001

Project Information

Project Name: SHL TASK 0002

Project Location: DEVERNS, MA

Project #: AC001

Project Manager: Phil McBein

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: 8/19/10

Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL EDR
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program Criteria See OAPP

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?

Serial No: 08311012:13

Client Information

Client: Sovereign Consulting Inc

Address: 905B S. Main St

Mansfield, MA 02048

Phone: 508-339-3200

Fax: 508-339-3248

Email: pmebein@sovercon.com

☐ These samples have been previously analyzed by Alpha

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)

SDG FF = 30 - closed

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS <i>TAL Metals</i> <i>TUC</i>										TOTAL # BOTTLES
		Date	Time													
<u>2501-11</u>	<u>SP-10-12-055</u>	<u>8/12/10</u>	<u>0855</u>	<u>S</u>	<u>WJW</u>	<u>✓</u>	<u>✓</u>									<u>1</u>
<u>-12</u>	<u>SP-10-13-050</u>	<u>8/14/10</u>	<u>1007</u>	<u>S</u>	<u>WJW</u>	<u>✓</u>	<u>✓</u>								<u>MS/MSD metals only</u>	<u>2</u>
<u>-13</u>	<u>SP-10-13-072</u>	<u>8/14/10</u>	<u>1018</u>	<u>S</u>	<u>WJW</u>	<u>✓</u>	<u>✓</u>									<u>1</u>
<u>-14</u>	<u>SP-10-13-075</u>	<u>8/12/10</u>	<u>1020</u>	<u>S</u>	<u>WJW</u>	<u>✓</u>	<u>✓</u>									<u>1</u>
<u>-15</u>	<u>SP-10-13-077</u>	<u>8/12/10</u>	<u>1022</u>	<u>S</u>	<u>WJW</u>	<u>✓</u>	<u>✓</u>									<u>1</u>
<u>-16</u>	<u>SP-10-13-083</u>	<u>8/12/10</u>	<u>1025</u>	<u>S</u>	<u>WJW</u>	<u>✓</u>	<u>✓</u>									<u>1</u>
<u>-17</u>	<u>SDUP2-081210</u>	<u>8/12/10</u>	<u>0845</u>	<u>S</u>	<u>WJW</u>	<u>✓</u>										<u>1</u>
<u>-18</u>	<u>SDUP3-081210</u>	<u>8/12/10</u>	<u>0848</u>	<u>S</u>	<u>WJW</u>	<u>✓</u>										<u>1</u>

PLEASE ANSWER QUESTIONS ABOVE!

Container Type A A

Preservative A A

IS YOUR PROJECT
MA MCP or CT RCP?

Relinquished By:

Date/Time

Received By:

Date/Time 8-12-2010

[Signature]
[Signature]

8/12/10 1730
8/22/10 1810
8/12/10 945

[Signature]
[Signature]
[Signature]

8-12-2010
8/12/10 1840
8/22/10 1840

Please print clearly, legibly, and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.



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

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

CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 8/12/10

ALPHA Job #: 1-101250

Client Information

Client: Sovereign Consulting Inc
Address: 905 B S. Main St
Mansfield, MA 02048
Phone: 508-339-3200
Fax: 508-339-3248
Email: pmc@sover.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: SHL TASK 0002
Project Location: Dorans, MA
Project #: AC001
Project Manager: Phil McBain
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: 8/19/10 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL EDR
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program Criteria See OAPP

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)
SDG # = 30 - closed

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS										TOTAL # BOTTLES
		Date	Time													
2501-01	SP-10-12-001	8/12/10	0830	S	WJW	✓	✓									1
02	SP-10-12-005	8/12/10	0833	S	WJW	✓	✓									1
03	SP-10-12-009	8/12/10	0835	S	WJW	✓	✓									1
04	SP-10-12-015	8/12/10	0837	S	WJW	✓	✓									1
05	SP-10-12-017	8/12/10	0840	S	WJW	✓	✓									1
06	SP-10-12-025	8/12/10	0842	S	WJW	✓	✓									1
07	SP-10-12-035	8/12/10	0845	S	WJW	✓	✓									1
08	SP-10-12-040	8/12/10	0848	S	WJW	✓	✓									1
09	SP-10-12-042	8/12/10	0850	S	WJW	✓	✓									1
10	SP-10-12-052	8/12/10	0852	S	WJW	✓	✓									1

SAMPLE HANDLING

Filtration _____
☐ Done
☐ Not needed
☐ Lab to do
☐ Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

PLEASE ANSWER QUESTIONS ABOVE!

Container Type A A
Preservative A A

IS YOUR PROJECT
MA MCP or CT RCP?

Relinquished By:

Date/Time

Received By:

Date/Time

FORM NO. 01/01 (rev. 18-Jan-2010)

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.

P. Sullivan 8/13/10 11:10

Phil McBain 8/12/10 17:30

8/12/2010 08:12:20

Phil McBain 8/12/10 17:30

8/12/10 17:30

Matrix Spike Analysis Batch Quality Control

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012502

Report Date: 08/31/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-20 QC Batch ID: WG427615-3 WG427615-4 QC Sample: L1012502-16 Client ID: SP-10-13-065												
Aluminum, Total	2500	86.8	4100	1840		2600	113		80-120	45	Q	20
Antimony, Total	ND	21.7	15	69	Q	15	68	Q	80-120	0		20
Arsenic, Total	3.8	5.21	8.2	84		8.2	83		80-120	0		20
Barium, Total	9.1	86.8	88	91		89	90		80-120	1		20
Beryllium, Total	ND	2.17	2.4	110		2.3	104		80-120	4		20
Cadmium, Total	ND	2.21	2.1	95		2.2	98		80-120	5		20
Calcium, Total	420	434	790	85		700	63		80-120	12		20
Chromium, Total	4.6	8.68	17	143	Q	13	95		80-120	27	Q	20
Cobalt, Total	1.4	21.7	22	95		22	93		80-120	0		20
Copper, Total	3.9	10.8	16	111		14	92		80-120	13		20
Iron, Total	3900	43.4	6700	6450		3900	0		80-120	53	Q	20
Lead, Total	3.3	22.1	26	102		24	92		80-120	8		20
Magnesium, Total	930	434	2300	316	Q	1400	106		80-120	49	Q	20
Manganese, Total	33	21.7	79	212	Q	53	91		80-120	39	Q	20
Nickel, Total	5.6	21.7	28	103		25	88		80-120	11		20
Potassium, Total	320	434	760	101		710	88		80-120	7		20
Selenium, Total	ND	5.21	5.0	96		5.1	96		80-120	2		20
Silver, Total	ND	13	13	100		14	106		75-120	7		20
Sodium, Total	ND	434	510	117		490	111		80-120	4		20
Thallium, Total	ND	5.21	5.0	96		5.0	94		80-120	0		20
Vanadium, Total	3.8	21.7	27	107		24	92		80-120	12		20

Matrix Spike Analysis Batch Quality Control

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012502

Report Date: 08/31/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-20 QC Batch ID: WG427615-3 WG427615-4 QC Sample: L1012502-16 Client ID: SP-10-13-065									
Zinc, Total	8.1	21.7	33	115	28	90	80-120	16	20
Total Metals - Westborough Lab Associated sample(s): 01-20 QC Batch ID: WG427862-3 WG427862-4 QC Sample: L1012502-16 Client ID: SP-10-13-065									
Mercury, Total	ND	0.148	0.15	101	0.17	100	80-120	13	20

Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012501-14

Date Collected: 08/12/10 10:20

Client ID: SP-10-13-075

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	ND		%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR
Total Organic Carbon (Rep2)	ND		%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	90		%	0.10	NA	1	-	08/13/10 16:33	30,2540G	AC



Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012501
Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012501-15
Client ID: SP-10-13-077
Sample Location: DEVENS, MA
Matrix: Soil

Date Collected: 08/12/10 10:22
Date Received: 08/12/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	ND		%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR
Total Organic Carbon (Rep2)	ND		%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	89		%	0.10	NA	1	-	08/13/10 16:33	30,2540G	AC



Project Name: SHL TASK 0002**Lab Number:** L1012501**Project Number:** AC001**Report Date:** 08/31/10**SAMPLE RESULTS****Lab ID:** L1012501-16**Date Collected:** 08/12/10 10:25**Client ID:** SP-10-13-083**Date Received:** 08/12/10**Sample Location:** DEVENS, MA**Field Prep:** Not Specified**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	ND		%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR
Total Organic Carbon (Rep2)	ND		%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	91		%	0.10	NA	1	-	08/13/10 16:33	30,2540G	AC

Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012501
Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012501-17
Client ID: SDUP2-081210
Sample Location: DEVENS, MA
Matrix: Soil

Date Collected: 08/12/10 08:45
Date Received: 08/12/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84		%	0.10	NA	1	-	08/13/10 16:33	30,2540G	AC



Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012501

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012501-18

Client ID: SDUP3-081210

Sample Location: DEVENS, MA

Matrix: Soil

Date Collected: 08/12/10 08:48

Date Received: 08/12/10

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90		%	0.10	NA	1	-	08/13/10 16:33	30,2540G	AC

Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab for sample(s): 01-16 Batch: WG427741-1									
Total Organic Carbon (Rep1)	ND	%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR
Total Organic Carbon (Rep2)	ND	%	0.010	0.010	1	-	08/18/10 08:00	1,9060	NR

Project Name: SHL TASK 0002

Project Number: AC001

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1012501

Report Date: 08/31/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-18 QC Batch ID: WG427592-1 QC Sample: L1012498-05 Client ID: DUP Sample						
Solids, Total	85	85	%	0		20

Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

S.R.M. Standard Quality Control

Standard Reference Material (SRM): WG427741-2

Parameter	% Recovery	Qual	QC Criteria
Total Organic Carbon (Rep1)	106		75-125
Total Organic Carbon (Rep2)	114		75-125

Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

A Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012501-01A	Amber 250ml unpreserved	A	N/A	2.3	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012501-01X	Amber 100ml unpreserved split	A	N/A	2.3	Y	Present/Intact	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012501

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012501-02A	Amber 250ml unpreserved	A	N/A	2.3	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012501-02X	Glass 100ml unpreserved split	A	N/A	2.3	Y	Present/Intact	A2-TOC-9060-2REPS(28)
L1012501-03A	Amber 250ml unpreserved	A	N/A	2.3	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012501-03X	Amber 100ml unpreserved split	A	N/A	2.3	Y	Present/Intact	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012501

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012501-04A	Amber 250ml unpreserved	A	N/A	2.3	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012501-04X	Glass 100ml unpreserved split	A	N/A	2.3	Y	Present/Intact	A2-TOC-9060-2REPS(28)
L1012501-05A	Amber 250ml unpreserved	A	N/A	2.3	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012501-05X	Amber 100ml unpreserved split	A	N/A	2.3	Y	Present/Intact	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012501-06A	Amber 250ml unpreserved	A	N/A	2.3	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012501-06X	Vial Large unpreserved split	A	N/A	2.3	Y	Present/Intact	A2-TOC-9060-2REPS(28)
L1012501-07A	Glass 250ml unpreserved	A	N/A	2.3	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012501-07X	Vial Large unpreserved split	A	N/A	2.3	Y	Present/Intact	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012501

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012501-08A	Amber 250ml unpreserved	A	N/A	2.3	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012501-08X	Vial Large unpreserved split	A	N/A	2.3	Y	Present/Intact	A2-TOC-9060-2REPS(28)
L1012501-09A	Amber 250ml unpreserved	A	N/A	2.3	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012501-09X	Vial Large unpreserved split	A	N/A	2.3	Y	Present/Intact	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012501

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012501-10A	Amber 250ml unpreserved	A	N/A	2.3	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012501-10X	Vial Large unpreserved split	A	N/A	2.3	Y	Present/Intact	A2-TOC-9060-2REPS(28)
L1012501-11A	Amber 250ml unpreserved	A	N/A	2.3	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012501-11X	Vial Large unpreserved split	A	N/A	2.3	Y	Present/Intact	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012501

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012501-12A	Amber 250ml unpreserved	A	N/A	2.3	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012501-12X	Amber 250ml unpreserved	A	N/A	2.3	Y	Present/Intact	A2-TOC-9060-2REPS(28)
L1012501-13A	Amber 250ml unpreserved	A	N/A	2.3	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012501-13X	Vial Large unpreserved split	A	N/A	2.3	Y	Present/Intact	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012501-14A	Amber 250ml unpreserved	A	N/A	2.3	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012501-14X	Vial Large unpreserved split	A	N/A	2.3	Y	Present/Intact	A2-TOC-9060-2REPS(28)
L1012501-15A	Amber 250ml unpreserved	A	N/A	2.3	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012501-15X	Vial Large unpreserved split	A	N/A	2.3	Y	Present/Intact	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012501

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012501-16A	Amber 250ml unpreserved	A	N/A	2.3	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012501-16X	Vial Large unpreserved split	A	N/A	2.3	Y	Present/Intact	A2-TOC-9060-2REPS(28)
L1012501-17A	Glass 250ml unpreserved	A	N/A	2.3	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012501

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012501-18A	Amber 250ml unpreserved	A	N/A	2.3	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012501
Report Date: 08/31/10

GLOSSARY

Acronyms

- EPA - Environmental Protection Agency.
- LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
- LCSD - Laboratory Control Sample Duplicate: Refer to LCS.
- MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
- MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
- MSD - Matrix Spike Sample Duplicate: Refer to MS.
- NA - Not Applicable.
- NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
- NI - Not Ignitable.
- RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
- RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

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

Data Qualifiers

- A - Spectra identified as "Aldol Condensation Product".
- B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
- D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
- P - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R - Analytical results are from sample re-analysis.

Report Format: DU Report with "J" Qualifiers



Project Name: SHL TASK 0002

Lab Number: L1012501

Project Number: AC001

Report Date: 08/31/10

Data Qualifiers

- RE** - Analytical results are from sample re-extraction.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL). This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample.

Report Format: DU Report with "J" Qualifiers



Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012501
Report Date: 08/31/10

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

The analyses performed on the sample(s) within this report are in accordance with the minimum established guidelines set forth in the Department of Defense Quality Systems Manual, Version 4.1, issued April 22, 2009

LIMITATION OF LIABILITIES

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

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



Certificate/Approval Program Summary

Last revised July 19, 2010 - Westboro Facility

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

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

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

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

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. **Organic Parameters:** PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Volatile Organics, Acid Extractables (Phenols), 3,3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.

Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500CI-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. **Organic Parameters:** 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500CI-D, 4500CI-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. **Organic Parameters:** 608, 624, ME DRO, ME GRO, MA EPH, MA VPH.)

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

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.**Drinking Water**

Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)

(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)

353.2 for: Nitrate-N, Nitrite-N: SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, 2320B, SM2540C, SM4500H-B.

Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)

(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.

Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D

Non-Potable Water

Inorganic Parameters: (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)

(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)

245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B, C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)

(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colliert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. *Organic Parameters:* 504.1, 524.2, SM6251B.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. *Organic Parameters:* SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. *Organic Parameters:* SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. *Organic Parameters:* 504.1, SM6251B, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. *Organic Parameters:* SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. *Organic Parameters:* SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H. NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. *Organic Parameters:* EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. *Organic Parameters:* EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)

Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. *Organic Parameters:* EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

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

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. NELAP Accredited.

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

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. *Organic Parameters:* 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. NELAP Accredited via NY-DOH.

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Texas Commission on Environmental Quality Certificate/Lab ID: T104704476-09-1. NELAP Accredited.

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

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

Department of Defense Certificate/Lab ID: L2217.

Drinking Water (Inorganic Parameters: SM 4500H-B. *Organic Parameters:* EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 120.1, 9050A, 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. *Organic Parameters:* EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3. *Organic Parameters:* EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035, MassDEP EPH, MassDEP VPH.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methyl naphthalenes, Total Dimethyl naphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

Certificate/Approval Program Summary

Last revised July 19, 2010 – Mansfield Facility

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

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. NELAP Accredited.

Non-Potable Water (Inorganic Parameters: SM2320B, EPA 120.1, SM2510B, EPA 245.1, EPA 150.1, EPA 160.2, SM2540D, EPA 335.2, SM2540G, EPA 180.1. Organic Parameters: EPA 625, 608.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045, 9014. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. NELAP Accredited.

Non-Potable Water (Inorganic Parameters: EPA 120.1, 150.1, 160.2, 180.1, 200.8, 245.1, 310.1, 335.2, 608, 625, 1631, 3010, 3015, 3020, 6020, 9010, 9014, 9040, SM2320B, 2510B, 2540D, 2540G, 4500CN-E, 4500H-B. Organic Parameters: EPA 3510, 3580, 3630, 3640, 3660, 3665, 5030, 8015 (mod), 3570, 8081, 8082, 8260, 8270,)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7196, 7470, 7471, 7474, 9010, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015 (mod), EPA 3570, 1311, 3050, 3051, 3060, 3580, 3630, 3640, 3660, 3665, 5035, 8081, 8082, 8260, 8270.)

Biological Tissue (Inorganic Parameters: EPA 6020. Organic Parameters: EPA 3570, 3510, 3610, 3630, 3640, 8270.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA030.

Non-Potable Water (Inorganic Parameters: SM4500H+B. Organic Parameters: EPA 624.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. NELAP Accredited.

Non-Potable Water (Inorganic Parameters: EPA 200.8, 245.1, 1631E, 120.1, 150.1, 180.1, 310.1, 335.2, 160.2, SM2540D, 2540G, 4500CN-E, 4500H+B, 2320B, 2510B. Organic Parameters: EPA 625, 608.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. NELAP Accredited.

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, 3015, 6020, SM2320B, EPA 200.8, SM2540C, 2540D, 2540G, EPA 120.1, SM2510B, EPA 180.1, 245.1, 1631E, SW-846 9040B, 6020, 9010B, 9014 Organic Parameters: EPA 608, 625, SW-846 3510C, 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 9010B, 9014, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 9045C, 9060. Organic Parameters: SW-846 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 3570, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610B, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: EPA 310.1, SM2320B, EPA 365.2, 160.1, EPA 160.2, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 335.2, 9014, 150.1, 9040B, 120.1, SM2510B, EPA 376.2, 180.1, 9010B. Organic Parameters: EPA 624, 8260B, 8270C, 608, 8081A, 625, 8082, 3510C, 3511, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, SW-846 Ch7 Sec 7.3, EPA 6020, 7196A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 3050B, 3580, 3050B, 3035, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. **NELAP Accredited via LA-DEQ.**

Refer to MA-DEP Certificate for Non-Potable Water.

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. **NELAP Accredited.**

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8260, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

U.S. Army Corps of Engineers

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

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 3051, 6020, 747A, 7474, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580, 3570, 3540C, 5035, 8260B, 8270C, 8270 Alk-PAH, 8082, 8081A, 8015 (SHC), 8015 (DRO).

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **8270C**: Biphenyl.



CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 8/12/10

ALPHA Job #: L1012501

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

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

Client Information

Client: Sovereign Consulting Inc
Address: 905B S. Main St
Mansfield, MA 02048
Phone: 508-339-3200
Fax: 508-339-3248
Email: pmlbain@sovereign.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: SHL TASK 0002
Project Location: Dorans, MA
Project #: AC001
Project Manager: Phil McBain
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: 8/19/10 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL EDR
☐ ADEX ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program: Criteria: See QAPP

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)

SDG # = 30 - closed

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS										TOTAL # BOTTLES
		Date	Time													
250L-01	SP-10-12-001	8/12/10	0830	S	WJW	✓	✓									1
-02	SP-10-12-005	8/12/10	0833	S	WJW	✓	✓									1
-03	SP-10-12-009	8/12/10	0835	S	WJW	✓	✓									1
-04	SP-10-12-015	8/12/10	0837	S	WJW	✓	✓									1
-05	SP-10-12-017	8/12/10	0840	S	WJW	✓	✓									1
-06	SP-10-12-025	8/12/10	0842	S	WJW	✓	✓									1
-07	SP-10-12-035	8/12/10	0845	S	WJW	✓	✓									1
-08	SP-10-12-040	8/12/10	0848	S	WJW	✓	✓									1
-09	SP-10-12-042	8/12/10	0850	S	WJW	✓	✓									1
-10	SP-10-12-052	8/12/10	0852	S	WJW	✓	✓									1

PLEASE ANSWER QUESTIONS ABOVE!

Container Type A A
Preservative A A

IS YOUR PROJECT
MA MCP or CT RCP?

Relinquished By:

Date/Time

Received By:

Date/Time

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.



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

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

CHAIN OF CUSTODY

PAGE 2 OF

Date Rec'd in Lab: 8/12/10

ALPHA Job #: L1012001

Client Information

Client: Sovereign Consulting Inc

Address: 905B S. Main St

Mansfield, MA 02048

Phone: 508-339-3200

Fax: 508-339-3248

Email: pmebain@sovercon.com

☐ These samples have been previously analyzed by Alpha

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)

SDG # = 30 - closed

Project Information

Project Name: SHL TASK 0002

Project Location: Devens, MA

Project #: AC001

Project Manager: Phil McBeain

ALPHA Quote #:

Turn-Around Time

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

Date Due: 8/19/10

Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL EDR
☐ ADEX ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State / Fed Program

Criteria See OAPP

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?

ANALYSIS

TAL Metals
TUC

SAMPLE HANDLING

Filtration _____
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials											
		Date	Time													
2501-11	SP-10-12-055	8/12/10	0855	S	WJW	✓	✓									1
-12	SP-10-13-050	8/12/10	1007	S	WJW	✓	✓								MS/MSD Metals only	2
-13	SP-10-13-072	8/12/10	1018	S	WJW	✓	✓									1
-14	SP-10-13-075	8/12/10	1020	S	WJW	✓	✓									1
-15	SP-10-13-077	8/12/10	1022	S	WJW	✓	✓									1
-16	SP-10-13-083	8/12/10	1025	S	WJW	✓	✓									1
-17	SDUP 2-081210	8/12/10	0845	S	WJW	✓										1
-18	SDUP 3-081210	8/12/10	0848	S	WJW	✓										1

PLEASE ANSWER QUESTIONS ABOVE!

Container Type A A

Preservative A A

IS YOUR PROJECT
MA MCP or CT RCP?

Relinquished By:

Date/Time

Received By:

Date/Time

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.



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

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3268

CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 8/12/10

ALPHA Job #: 1-161250

Client Information

Client: Sovereign Consulting Inc
Address: 905 B S. Main St
Mansfield, MA 02048
Phone: 508-339-3200
Fax: 508-339-3248
Email: pmcubain@sovercon.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: SHL TASK 0002
Project Location: Dorans, MA
Project #: AC001
Project Manager: Phil McBain
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: 8/19/10 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL EDR
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State / Fed Program Criteria See QAPP

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)
SDG # = 30 - closed

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS										TOTAL # BOTTLES
		Date	Time													
001	SP-10-12-001	8/12/10	0830	S	WJW	✓	✓									1
002	SP-10-12-005	8/12/10	0833	S	WJW	✓	✓									1
003	SP-10-12-009	8/12/10	0835	S	WJW	✓	✓									1
004	SP-10-12-015	8/12/10	0837	S	WJW	✓	✓									1
005	SP-10-12-017	8/12/10	0840	S	WJW	✓	✓									1
006	SP-10-12-025	8/12/10	0842	S	WJW	✓	✓									1
007	SP-10-12-035	8/12/10	0845	S	WJW	✓	✓									1
008	SP-10-12-040	8/12/10	0848	S	WJW	✓	✓									1
009	SP-10-12-042	8/12/10	0850	S	WJW	✓	✓									1
010	SP-10-12-052	8/12/10	0852	S	WJW	✓	✓									1

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

PLEASE ANSWER QUESTIONS ABOVE!

Container Type A A
Preservative A A

IS YOUR PROJECT
MA MCP or CT RCP?

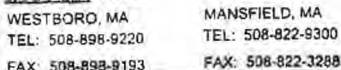
Relinquished By:

Date/Time

Received By:

Date/Time

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.



PAGE 2 OF 2

ALPHA Job # 101256

Billing Information

☐ Same as Client info PO #:Criteria See QAPP

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?

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

Date Due: 10/10/01 Time: 10:10

Email: pmc@pain@soncon.com

☐ These samples have been previously analyzed by Alpha

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)

SDG/F = 30 - closed

[illegible]

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT
MA MCP *or* CT RCP?

Container Type	A	A
----------------	---	---

Preservative	A A
--------------	-----

Received By:

1/22 Date/Time 4:10

~~Relinquished By:~~

Date/Time

File 1730

300-181

Rel. T. Freeman 8/13/10

3/12/10. 1840

8/2/03

8/13/10 10:00

Please print clearly legibly and completely. Samples can not be logged in and turn-around time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's terms and conditions. See reverse slide.

TOTAL # BOTTLES

SAMPLE HANDLING

Filtration _____
☐ Done
☐ Not needed
☐ Lab to do
 Preservation
☐ Lab to do

Sample Specific Comments



ANALYTICAL REPORT

Lab Number: L1012502

Client: Sovereign Consulting
905B South Main Street
Mansfield, MA 02048

ATTN: Phil McBain

Phone: (508) 339-3200

Project Name: SHL TASK 0002

Project Number: AC001

Report Date: 08/31/10

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAQ00065), 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: SHL TASK 0002
Project Number: AC001

Lab Number: L1012502
Report Date: 08/31/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1012502-01	SP-10-13-001	DEVENS, MA	08/12/10 09:30
L1012502-02	SP-10-13-005	DEVENS, MA	08/12/10 09:33
L1012502-03	SP-10-13-008	DEVENS, MA	08/12/10 09:35
L1012502-04	SP-10-13-010	DEVENS, MA	08/12/10 09:37
L1012502-05	SP-10-13-011	DEVENS, MA	08/12/10 09:40
L1012502-06	SP-10-13-015	DEVENS, MA	08/12/10 09:42
L1012502-07	SP-10-13-017	DEVENS, MA	08/12/10 09:45
L1012502-08	SP-10-13-020	DEVENS, MA	08/12/10 09:47
L1012502-09	SP-10-13-023	DEVENS, MA	08/12/10 09:50
L1012502-10	SP-10-13-025	DEVENS, MA	08/12/10 09:52
L1012502-11	SP-10-13-027	DEVENS, MA	08/12/10 09:55
L1012502-12	SP-10-13-030	DEVENS, MA	08/12/10 09:57
L1012502-13	SP-10-13-032	DEVENS, MA	08/12/10 10:00
L1012502-14	SP-10-13-035	DEVENS, MA	08/12/10 10:02
L1012502-15	SP-10-13-040	DEVENS, MA	08/12/10 10:05
L1012502-16	SP-10-13-065	DEVENS, MA	08/12/10 10:07
L1012502-17	SP-10-13-067	DEVENS, MA	08/12/10 10:10
L1012502-18	SP-10-13-070	DEVENS, MA	08/12/10 10:15
L1012502-19	SDUP4-081210	DEVENS, MA	08/12/10 10:00
L1012502-20	SDUP5-081210	DEVENS, MA	08/12/10 10:12

Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012502
Report Date: 08/31/10

Case Narrative

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

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

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

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

Report Submission

This report replaces the report issued on August 23, 2010. The report has been amended to correct the MDL for Mercury and revise the Mercury result reported for sample L1012502-02.

Testing performed for the reported analyses followed the guidelines established under the DoD QSM 4.1, where applicable.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Metals

L1012502-09 and -11 have elevated detection limits for Zinc due to the dilutions required to quantitate the results within the calibration range.

Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012502
Report Date: 08/31/10

Case Narrative (continued)

L1012502-09 has an elevated detection limit for Thallium due to the dilution required by non-target analyte spectral interferences encountered during analysis.

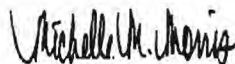
The WG427615-3/-4 MS/MSD recoveries for Aluminum (MS at 1840%), Calcium (MSD at 63%) and Iron (6450%/0%), performed on L1012502-16, are invalid because the sample concentration is greater than four times the spike amount added.

The WG427615-3/-4 MS/MSD recoveries, performed on L1012502-16, are outside the acceptance criteria for Antimony (69%/68%), Chromium (MS at 143%), Magnesium (MS at 316%) and Manganese (MS at 212%). A post digestion spike was performed with acceptable recoveries of Antimony (98%), Chromium (98%), Magnesium (86%) and Manganese (89%). L1012502-16 is qualified as "J" for Chromium, Magnesium and Manganese and should be qualified as "UJ" for Antimony.

The WG427615-3/-4 MS/MSD RPDs, performed on L1012502-16, are above the acceptance criteria for Aluminum (45%), Chromium (27%), Iron (53%), Magnesium (49%) and Manganese (39%). L1012502-16 is qualified as "J" for Aluminum and Iron.

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

Authorized Signature:

 Michelle M. Morris

Title: Technical Director/Representative

Date: 08/31/10

METALS

Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012502-01

Date Collected: 08/12/10 09:30

Client ID: SP-10-13-001

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 100%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3500		mg/kg	3.9	1.1	1	08/13/10 17:05	08/17/10 08:54	EPA 3050B	1,6010B	MG
Antimony, Total	0.2	J	mg/kg	1.9	0.17	1	08/13/10 17:05	08/17/10 08:54	EPA 3050B	1,6010B	MG
Arsenic, Total	8.4		mg/kg	0.39	0.08	1	08/13/10 17:05	08/17/10 08:54	EPA 3050B	1,6010B	MG
Barium, Total	9.4		mg/kg	0.39	0.05	1	08/13/10 17:05	08/17/10 08:54	EPA 3050B	1,6010B	MG
Beryllium, Total	0.28		mg/kg	0.19	0.01	1	08/13/10 17:05	08/17/10 08:54	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.39	0.03	1	08/13/10 17:05	08/17/10 08:54	EPA 3050B	1,6010B	MG
Calcium, Total	500		mg/kg	3.9	0.70	1	08/13/10 17:05	08/17/10 08:54	EPA 3050B	1,6010B	MG
Chromium, Total	5.6		mg/kg	0.39	0.04	1	08/13/10 17:05	08/17/10 08:54	EPA 3050B	1,6010B	MG
Cobalt, Total	2.3		mg/kg	0.78	0.14	1	08/13/10 17:05	08/17/10 08:54	EPA 3050B	1,6010B	MG
Copper, Total	5.0		mg/kg	0.39	0.04	1	08/13/10 17:05	08/17/10 08:54	EPA 3050B	1,6010B	MG
Iron, Total	6000		mg/kg	1.9	0.69	1	08/13/10 17:05	08/17/10 08:54	EPA 3050B	1,6010B	MG
Lead, Total	5.9		mg/kg	1.9	0.05	1	08/13/10 17:05	08/17/10 08:54	EPA 3050B	1,6010B	MG
Magnesium, Total	1200		mg/kg	3.9	0.45	1	08/13/10 17:05	08/17/10 08:54	EPA 3050B	1,6010B	MG
Manganese, Total	97		mg/kg	0.39	0.02	1	08/13/10 17:05	08/17/10 08:54	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/16/10 14:36	08/17/10 15:07	EPA 7471A	1,7471A	EZ
Nickel, Total	6.0		mg/kg	0.97	0.06	1	08/13/10 17:05	08/17/10 08:54	EPA 3050B	1,6010B	MG
Potassium, Total	470		mg/kg	97	34	1	08/13/10 17:05	08/17/10 08:54	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	0.78	0.11	1	08/13/10 17:05	08/17/10 08:54	EPA 3050B	1,6010B	MG
Silver, Total	0.091	J	mg/kg	0.39	0.02	1	08/13/10 17:05	08/17/10 08:54	EPA 3050B	1,6010B	MG
Sodium, Total	ND		mg/kg	78	21	1	08/13/10 17:05	08/17/10 08:54	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.78	0.23	1	08/13/10 17:05	08/17/10 08:54	EPA 3050B	1,6010B	MG
Vanadium, Total	5.7		mg/kg	0.39	0.10	1	08/13/10 17:05	08/17/10 08:54	EPA 3050B	1,6010B	MG
Zinc, Total	11		mg/kg	1.9	0.06	1	08/13/10 17:05	08/17/10 08:54	EPA 3050B	1,6010B	MG



Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012502-02

Date Collected: 08/12/10 09:33

Client ID: SP-10-13-005

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5100		mg/kg	4.3	1.3	1	08/13/10 17:05	08/17/10 08:58	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.2	0.18	1	08/13/10 17:05	08/17/10 08:58	EPA 3050B	1,6010B	MG
Arsenic, Total	8.8		mg/kg	0.43	0.09	1	08/13/10 17:05	08/17/10 08:58	EPA 3050B	1,6010B	MG
Barium, Total	18		mg/kg	0.43	0.05	1	08/13/10 17:05	08/17/10 08:58	EPA 3050B	1,6010B	MG
Beryllium, Total	0.45		mg/kg	0.22	0.01	1	08/13/10 17:05	08/17/10 08:58	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.43	0.03	1	08/13/10 17:05	08/17/10 08:58	EPA 3050B	1,6010B	MG
Calcium, Total	1100		mg/kg	4.3	0.78	1	08/13/10 17:05	08/17/10 08:58	EPA 3050B	1,6010B	MG
Chromium, Total	16		mg/kg	0.43	0.05	1	08/13/10 17:05	08/17/10 08:58	EPA 3050B	1,6010B	MG
Cobalt, Total	3.2		mg/kg	0.86	0.16	1	08/13/10 17:05	08/17/10 08:58	EPA 3050B	1,6010B	MG
Copper, Total	7.4		mg/kg	0.43	0.05	1	08/13/10 17:05	08/17/10 08:58	EPA 3050B	1,6010B	MG
Iron, Total	7400		mg/kg	2.2	0.77	1	08/13/10 17:05	08/17/10 08:58	EPA 3050B	1,6010B	MG
Lead, Total	20		mg/kg	2.2	0.06	1	08/13/10 17:05	08/17/10 08:58	EPA 3050B	1,6010B	MG
Magnesium, Total	2300		mg/kg	4.3	0.50	1	08/13/10 17:05	08/17/10 08:58	EPA 3050B	1,6010B	ML
Manganese, Total	120		mg/kg	0.43	0.02	1	08/13/10 17:05	08/17/10 08:58	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/16/10 14:36	08/17/10 15:08	EPA 7471A	1,7471A	EZ
Nickel, Total	12		mg/kg	1.1	0.07	1	08/13/10 17:05	08/17/10 08:58	EPA 3050B	1,6010B	MG
Potassium, Total	1000		mg/kg	110	38	1	08/13/10 17:05	08/17/10 08:58	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	0.86	0.12	1	08/13/10 17:05	08/17/10 08:58	EPA 3050B	1,6010B	MG
Silver, Total	0.16	J	mg/kg	0.43	0.03	1	08/13/10 17:05	08/17/10 08:58	EPA 3050B	1,6010B	MG
Sodium, Total	130		mg/kg	86	24	1	08/13/10 17:05	08/17/10 08:58	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.86	0.26	1	08/13/10 17:05	08/17/10 08:58	EPA 3050B	1,6010B	MG
Vanadium, Total	10		mg/kg	0.43	0.11	1	08/13/10 17:05	08/17/10 08:58	EPA 3050B	1,6010B	MG
Zinc, Total	22		mg/kg	2.2	0.07	1	08/13/10 17:05	08/17/10 08:58	EPA 3050B	1,6010B	MG

Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012502-03

Date Collected: 08/12/10 09:35

Client ID: SP-10-13-008

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6200		mg/kg	4.4	1.3	1	08/13/10 17:05	08/17/10 09:01	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.2	0.19	1	08/13/10 17:05	08/17/10 09:01	EPA 3050B	1,6010B	MG
Arsenic, Total	9.1		mg/kg	0.44	0.09	1	08/13/10 17:05	08/17/10 09:01	EPA 3050B	1,6010B	MG
Barium, Total	18		mg/kg	0.44	0.05	1	08/13/10 17:05	08/17/10 09:01	EPA 3050B	1,6010B	MG
Beryllium, Total	0.66		mg/kg	0.22	0.01	1	08/13/10 17:05	08/17/10 09:01	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.44	0.04	1	08/13/10 17:05	08/17/10 09:01	EPA 3050B	1,6010B	MG
Calcium, Total	490		mg/kg	4.4	0.79	1	08/13/10 17:05	08/17/10 09:01	EPA 3050B	1,6010B	MG
Chromium, Total	18		mg/kg	0.44	0.05	1	08/13/10 17:05	08/17/10 09:01	EPA 3050B	1,6010B	MG
Cobalt, Total	2.9		mg/kg	0.87	0.16	1	08/13/10 17:05	08/17/10 09:01	EPA 3050B	1,6010B	MG
Copper, Total	7.7		mg/kg	0.44	0.05	1	08/13/10 17:05	08/17/10 09:01	EPA 3050B	1,6010B	MG
Iron, Total	9000		mg/kg	2.2	0.77	1	08/13/10 17:05	08/17/10 09:01	EPA 3050B	1,6010B	MG
Lead, Total	9.4		mg/kg	2.2	0.06	1	08/13/10 17:05	08/17/10 09:01	EPA 3050B	1,6010B	MG
Magnesium, Total	2700		mg/kg	4.4	0.50	1	08/13/10 17:05	08/17/10 09:01	EPA 3050B	1,6010B	MG
Manganese, Total	130		mg/kg	0.44	0.02	1	08/13/10 17:05	08/17/10 09:01	EPA 3050B	1,6010B	MG
Mercury, Total	1.6		mg/kg	0.09	0.02	1	08/16/10 14:36	08/17/10 15:10	EPA 7471A	1,7471A	EZ
Nickel, Total	9.6		mg/kg	1.1	0.07	1	08/13/10 17:05	08/17/10 09:01	EPA 3050B	1,6010B	MG
Potassium, Total	1500		mg/kg	110	38	1	08/13/10 17:05	08/17/10 09:01	EPA 3050B	1,6010B	MG
Selenium, Total	0.14	J	mg/kg	0.87	0.12	1	08/13/10 17:05	08/17/10 09:01	EPA 3050B	1,6010B	MG
Silver, Total	0.12	J	mg/kg	0.44	0.03	1	08/13/10 17:05	08/17/10 09:01	EPA 3050B	1,6010B	MG
Sodium, Total	ND		mg/kg	87	24	1	08/13/10 17:05	08/17/10 09:01	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.87	0.26	1	08/13/10 17:05	08/17/10 09:01	EPA 3050B	1,6010B	MG
Vanadium, Total	13		mg/kg	0.44	0.11	1	08/13/10 17:05	08/17/10 09:01	EPA 3050B	1,6010B	MG
Zinc, Total	29		mg/kg	2.2	0.07	1	08/13/10 17:05	08/17/10 09:01	EPA 3050B	1,6010B	MG



Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012502-04

Date Collected: 08/12/10 09:37

Client ID: SP-10-13-010

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3400		mg/kg	4.2	1.2	1	08/13/10 17:05	08/17/10 09:04	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.1	0.18	1	08/13/10 17:05	08/17/10 09:04	EPA 3050B	1,6010B	MG
Arsenic, Total	5.3		mg/kg	0.42	0.09	1	08/13/10 17:05	08/17/10 09:04	EPA 3050B	1,6010B	MG
Barium, Total	7.2		mg/kg	0.42	0.05	1	08/13/10 17:05	08/17/10 09:04	EPA 3050B	1,6010B	MG
Beryllium, Total	0.28		mg/kg	0.21	0.01	1	08/13/10 17:05	08/17/10 09:04	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.42	0.03	1	08/13/10 17:05	08/17/10 09:04	EPA 3050B	1,6010B	MG
Calcium, Total	570		mg/kg	4.2	0.77	1	08/13/10 17:05	08/17/10 09:04	EPA 3050B	1,6010B	MG
Chromium, Total	6.4		mg/kg	0.42	0.05	1	08/13/10 17:05	08/17/10 09:04	EPA 3050B	1,6010B	MG
Cobalt, Total	1.9		mg/kg	0.85	0.15	1	08/13/10 17:05	08/17/10 09:04	EPA 3050B	1,6010B	MG
Copper, Total	4.9		mg/kg	0.42	0.05	1	08/13/10 17:05	08/17/10 09:04	EPA 3050B	1,6010B	MG
Iron, Total	5000		mg/kg	2.1	0.76	1	08/13/10 17:05	08/17/10 09:04	EPA 3050B	1,6010B	MG
Lead, Total	5.8		mg/kg	2.1	0.06	1	08/13/10 17:05	08/17/10 09:04	EPA 3050B	1,6010B	MG
Magnesium, Total	1200		mg/kg	4.2	0.49	1	08/13/10 17:05	08/17/10 09:04	EPA 3050B	1,6010B	MG
Manganese, Total	62		mg/kg	0.42	0.02	1	08/13/10 17:05	08/17/10 09:04	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/16/10 14:36	08/17/10 15:16	EPA 7471A	1,7471A	EZ
Nickel, Total	6.7		mg/kg	1.1	0.07	1	08/13/10 17:05	08/17/10 09:04	EPA 3050B	1,6010B	MG
Potassium, Total	360		mg/kg	110	38	1	08/13/10 17:05	08/17/10 09:04	EPA 3050B	1,6010B	MG
Selenium, Total	0.21	J	mg/kg	0.85	0.12	1	08/13/10 17:05	08/17/10 09:04	EPA 3050B	1,6010B	MG
Silver, Total	0.15	J	mg/kg	0.42	0.03	1	08/13/10 17:05	08/17/10 09:04	EPA 3050B	1,6010B	MG
Sodium, Total	42	J	mg/kg	85	23	1	08/13/10 17:05	08/17/10 09:04	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.85	0.25	1	08/13/10 17:05	08/17/10 09:04	EPA 3050B	1,6010B	MG
Vanadium, Total	4.8		mg/kg	0.42	0.11	1	08/13/10 17:05	08/17/10 09:04	EPA 3050B	1,6010B	MG
Zinc, Total	13		mg/kg	2.1	0.07	1	08/13/10 17:05	08/17/10 09:04	EPA 3050B	1,6010B	MG

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012502

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012502-05

Client ID: SP-10-13-011

Sample Location: DEVENS, MA

Matrix: Soil

Percent Solids: 99%

Date Collected: 08/12/10 09:40

Date Received: 08/12/10

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	2700		mg/kg	4.1	1.2	1	08/13/10 17:05	08/17/10 09:07	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.1	0.18	1	08/13/10 17:05	08/17/10 09:07	EPA 3050B	1,6010B	MG
Arsenic, Total	7.4		mg/kg	0.41	0.08	1	08/13/10 17:05	08/17/10 09:07	EPA 3050B	1,6010B	MG
Barium, Total	8.5		mg/kg	0.41	0.05	1	08/13/10 17:05	08/17/10 09:07	EPA 3050B	1,6010B	MG
Beryllium, Total	0.27		mg/kg	0.21	0.01	1	08/13/10 17:05	08/17/10 09:07	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.41	0.03	1	08/13/10 17:05	08/17/10 09:07	EPA 3050B	1,6010B	MG
Calcium, Total	560		mg/kg	4.1	0.75	1	08/13/10 17:05	08/17/10 09:07	EPA 3050B	1,6010B	MG
Chromium, Total	4.4		mg/kg	0.41	0.05	1	08/13/10 17:05	08/17/10 09:07	EPA 3050B	1,6010B	MG
Cobalt, Total	2.0		mg/kg	0.83	0.15	1	08/13/10 17:05	08/17/10 09:07	EPA 3050B	1,6010B	MG
Copper, Total	4.0		mg/kg	0.41	0.05	1	08/13/10 17:05	08/17/10 09:07	EPA 3050B	1,6010B	MG
Iron, Total	4700		mg/kg	2.1	0.74	1	08/13/10 17:05	08/17/10 09:07	EPA 3050B	1,6010B	MG
Lead, Total	4.3		mg/kg	2.1	0.05	1	08/13/10 17:05	08/17/10 09:07	EPA 3050B	1,6010B	MG
Magnesium, Total	870		mg/kg	4.1	0.48	1	08/13/10 17:05	08/17/10 09:07	EPA 3050B	1,6010B	MG
Manganese, Total	89		mg/kg	0.41	0.02	1	08/13/10 17:05	08/17/10 09:07	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/16/10 14:36	08/17/10 15:18	EPA 7471A	1,7471A	EZ
Nickel, Total	5.2		mg/kg	1.0	0.07	1	08/13/10 17:05	08/17/10 09:07	EPA 3050B	1,6010B	MG
Potassium, Total	430		mg/kg	100	37	1	08/13/10 17:05	08/17/10 09:07	EPA 3050B	1,6010B	MG
Selenium, Total	0.12	J	mg/kg	0.83	0.12	1	08/13/10 17:05	08/17/10 09:07	EPA 3050B	1,6010B	MG
Silver, Total	0.026	J	mg/kg	0.41	0.03	1	08/13/10 17:05	08/17/10 09:07	EPA 3050B	1,6010B	MG
Sodium, Total	ND		mg/kg	83	23	1	08/13/10 17:05	08/17/10 09:07	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.83	0.25	1	08/13/10 17:05	08/17/10 09:07	EPA 3050B	1,6010B	MG
Vanadium, Total	4.4		mg/kg	0.41	0.10	1	08/13/10 17:05	08/17/10 09:07	EPA 3050B	1,6010B	MG
Zinc, Total	9.7		mg/kg	2.1	0.07	1	08/13/10 17:05	08/17/10 09:07	EPA 3050B	1,6010B	MG

Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012502-06

Date Collected: 08/12/10 09:42

Client ID: SP-10-13-015

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	2800		mg/kg	4.3	1.3	1	08/13/10 17:05	08/17/10 09:23	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.1	0.18	1	08/13/10 17:05	08/17/10 09:23	EPA 3050B	1,6010B	MG
Arsenic, Total	6.2		mg/kg	0.43	0.09	1	08/13/10 17:05	08/17/10 09:23	EPA 3050B	1,6010B	MG
Barium, Total	11		mg/kg	0.43	0.05	1	08/13/10 17:05	08/17/10 09:23	EPA 3050B	1,6010B	MG
Beryllium, Total	0.29		mg/kg	0.21	0.01	1	08/13/10 17:05	08/17/10 09:23	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.43	0.03	1	08/13/10 17:05	08/17/10 09:23	EPA 3050B	1,6010B	MG
Calcium, Total	560		mg/kg	4.3	0.77	1	08/13/10 17:05	08/17/10 09:23	EPA 3050B	1,6010B	MG
Chromium, Total	5.2		mg/kg	0.43	0.05	1	08/13/10 17:05	08/17/10 09:23	EPA 3050B	1,6010B	MG
Cobalt, Total	1.8		mg/kg	0.85	0.15	1	08/13/10 17:05	08/17/10 09:23	EPA 3050B	1,6010B	MG
Copper, Total	3.6		mg/kg	0.43	0.05	1	08/13/10 17:05	08/17/10 09:23	EPA 3050B	1,6010B	MG
Iron, Total	4200		mg/kg	2.1	0.76	1	08/13/10 17:05	08/17/10 09:23	EPA 3050B	1,6010B	MG
Lead, Total	3.7		mg/kg	2.1	0.06	1	08/13/10 17:05	08/17/10 09:23	EPA 3050B	1,6010B	MG
Magnesium, Total	880		mg/kg	4.3	0.50	1	08/13/10 17:05	08/17/10 09:23	EPA 3050B	1,6010B	ML
Manganese, Total	71		mg/kg	0.43	0.02	1	08/13/10 17:05	08/17/10 09:23	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.09	0.02	1	08/16/10 14:36	08/17/10 15:19	EPA 7471A	1,7471A	EZ
Nickel, Total	4.4		mg/kg	1.1	0.07	1	08/13/10 17:05	08/17/10 09:23	EPA 3050B	1,6010B	MG
Potassium, Total	560		mg/kg	110	38	1	08/13/10 17:05	08/17/10 09:23	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	0.85	0.12	1	08/13/10 17:05	08/17/10 09:23	EPA 3050B	1,6010B	MG
Silver, Total	0.22	J	mg/kg	0.43	0.03	1	08/13/10 17:05	08/17/10 09:23	EPA 3050B	1,6010B	MG
Sodium, Total	44	J	mg/kg	85	24	1	08/13/10 17:05	08/17/10 09:23	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.85	0.26	1	08/13/10 17:05	08/17/10 09:23	EPA 3050B	1,6010B	MG
Vanadium, Total	4.6		mg/kg	0.43	0.11	1	08/13/10 17:05	08/17/10 09:23	EPA 3050B	1,6010B	MG
Zinc, Total	9.0		mg/kg	2.1	0.07	1	08/13/10 17:05	08/17/10 09:23	EPA 3050B	1,6010B	MG



Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012502-07

Date Collected: 08/12/10 09:45

Client ID: SP-10-13-017

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 99%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3000		mg/kg	3.9	1.2	1	08/13/10 17:05	08/17/10 09:26	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	1.9	0.17	1	08/13/10 17:05	08/17/10 09:26	EPA 3050B	1,6010B	MG
Arsenic, Total	6.7		mg/kg	0.39	0.08	1	08/13/10 17:05	08/17/10 09:26	EPA 3050B	1,6010B	MG
Barium, Total	10		mg/kg	0.39	0.05	1	08/13/10 17:05	08/17/10 09:26	EPA 3050B	1,6010B	MG
Beryllium, Total	0.28		mg/kg	0.19	0.01	1	08/13/10 17:05	08/17/10 09:26	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.39	0.03	1	08/13/10 17:05	08/17/10 09:26	EPA 3050B	1,6010B	MG
Calcium, Total	520		mg/kg	3.9	0.70	1	08/13/10 17:05	08/17/10 09:26	EPA 3050B	1,6010B	MG
Chromium, Total	4.8		mg/kg	0.39	0.04	1	08/13/10 17:05	08/17/10 09:26	EPA 3050B	1,6010B	MG
Cobalt, Total	1.9		mg/kg	0.78	0.14	1	08/13/10 17:05	08/17/10 09:26	EPA 3050B	1,6010B	MG
Copper, Total	4.4		mg/kg	0.39	0.04	1	08/13/10 17:05	08/17/10 09:26	EPA 3050B	1,6010B	MG
Iron, Total	5100		mg/kg	1.9	0.69	1	08/13/10 17:05	08/17/10 09:26	EPA 3050B	1,6010B	MG
Lead, Total	4.5		mg/kg	1.9	0.05	1	08/13/10 17:05	08/17/10 09:26	EPA 3050B	1,6010B	MG
Magnesium, Total	1000		mg/kg	3.9	0.45	1	08/13/10 17:05	08/17/10 09:26	EPA 3050B	1,6010B	MG
Manganese, Total	96		mg/kg	0.39	0.02	1	08/13/10 17:05	08/17/10 09:26	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/16/10 14:36	08/17/10 15:21	EPA 7471A	1,7471A	EZ
Nickel, Total	5.4		mg/kg	0.97	0.06	1	08/13/10 17:05	08/17/10 09:26	EPA 3050B	1,6010B	MG
Potassium, Total	520		mg/kg	97	34	1	08/13/10 17:05	08/17/10 09:26	EPA 3050B	1,6010B	MG
Selenium, Total	0.15	J	mg/kg	0.78	0.11	1	08/13/10 17:05	08/17/10 09:26	EPA 3050B	1,6010B	MG
Silver, Total	0.027	J	mg/kg	0.39	0.02	1	08/13/10 17:05	08/17/10 09:26	EPA 3050B	1,6010B	MG
Sodium, Total	27	J	mg/kg	78	22	1	08/13/10 17:05	08/17/10 09:26	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.78	0.23	1	08/13/10 17:05	08/17/10 09:26	EPA 3050B	1,6010B	MG
Vanadium, Total	4.8		mg/kg	0.39	0.10	1	08/13/10 17:05	08/17/10 09:26	EPA 3050B	1,6010B	MG
Zinc, Total	11		mg/kg	1.9	0.06	1	08/13/10 17:05	08/17/10 09:26	EPA 3050B	1,6010B	MG

Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012502-08

Date Collected: 08/12/10 09:47

Client ID: SP-10-13-020

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3300		mg/kg	4.2	1.2	1	08/13/10 17:05	08/17/10 09:29	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.1	0.18	1	08/13/10 17:05	08/17/10 09:29	EPA 3050B	1,6010B	MG
Arsenic, Total	5.6		mg/kg	0.42	0.08	1	08/13/10 17:05	08/17/10 09:29	EPA 3050B	1,6010B	MG
Barium, Total	12		mg/kg	0.42	0.05	1	08/13/10 17:05	08/17/10 09:29	EPA 3050B	1,6010B	MG
Beryllium, Total	0.26		mg/kg	0.21	0.01	1	08/13/10 17:05	08/17/10 09:29	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.42	0.03	1	08/13/10 17:05	08/17/10 09:29	EPA 3050B	1,6010B	MG
Calcium, Total	490		mg/kg	4.2	0.75	1	08/13/10 17:05	08/17/10 09:29	EPA 3050B	1,6010B	MG
Chromium, Total	7.6		mg/kg	0.42	0.05	1	08/13/10 17:05	08/17/10 09:29	EPA 3050B	1,6010B	MG
Cobalt, Total	3.3		mg/kg	0.83	0.15	1	08/13/10 17:05	08/17/10 09:29	EPA 3050B	1,6010B	MG
Copper, Total	5.2		mg/kg	0.42	0.05	1	08/13/10 17:05	08/17/10 09:29	EPA 3050B	1,6010B	MG
Iron, Total	6000		mg/kg	2.1	0.74	1	08/13/10 17:05	08/17/10 09:29	EPA 3050B	1,6010B	MG
Lead, Total	5.7		mg/kg	2.1	0.05	1	08/13/10 17:05	08/17/10 09:29	EPA 3050B	1,6010B	MG
Magnesium, Total	1400		mg/kg	4.2	0.48	1	08/13/10 17:05	08/17/10 09:29	EPA 3050B	1,6010B	MG
Manganese, Total	100		mg/kg	0.42	0.02	1	08/13/10 17:05	08/17/10 09:29	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.09	0.02	1	08/16/10 14:36	08/17/10 15:23	EPA 7471A	1,7471A	EZ
Nickel, Total	8.7		mg/kg	1.0	0.07	1	08/13/10 17:05	08/17/10 09:29	EPA 3050B	1,6010B	MG
Potassium, Total	440		mg/kg	100	37	1	08/13/10 17:05	08/17/10 09:29	EPA 3050B	1,6010B	MG
Selenium, Total	0.12	J	mg/kg	0.83	0.12	1	08/13/10 17:05	08/17/10 09:29	EPA 3050B	1,6010B	MG
Silver, Total	0.1	J	mg/kg	0.42	0.03	1	08/13/10 17:05	08/17/10 09:29	EPA 3050B	1,6010B	MG
Sodium, Total	38	J	mg/kg	83	23	1	08/13/10 17:05	08/17/10 09:29	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.83	0.25	1	08/13/10 17:05	08/17/10 09:29	EPA 3050B	1,6010B	MG
Vanadium, Total	5.6		mg/kg	0.42	0.10	1	08/13/10 17:05	08/17/10 09:29	EPA 3050B	1,6010B	MG
Zinc, Total	13		mg/kg	2.1	0.07	1	08/13/10 17:05	08/17/10 09:29	EPA 3050B	1,6010B	MG



Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012502-09

Date Collected: 08/12/10 09:50

Client ID: SP-10-13-023

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5600		mg/kg	4.4	1.3	1	08/13/10 17:05	08/17/10 09:33	EPA 3050B	1,6010B	MG
Antimony, Total	4.4		mg/kg	2.2	0.19	1	08/13/10 17:05	08/17/10 09:33	EPA 3050B	1,6010B	MG
Arsenic, Total	31		mg/kg	0.44	0.09	1	08/13/10 17:05	08/17/10 09:33	EPA 3050B	1,6010B	MG
Barium, Total	43		mg/kg	0.44	0.05	1	08/13/10 17:05	08/17/10 09:33	EPA 3050B	1,6010B	MG
Beryllium, Total	0.49		mg/kg	0.22	0.01	1	08/13/10 17:05	08/17/10 09:33	EPA 3050B	1,6010B	MG
Cadmium, Total	3.5		mg/kg	0.44	0.04	1	08/13/10 17:05	08/17/10 09:33	EPA 3050B	1,6010B	MG
Calcium, Total	2100		mg/kg	4.4	0.79	1	08/13/10 17:05	08/17/10 09:33	EPA 3050B	1,6010B	MG
Chromium, Total	52		mg/kg	0.44	0.05	1	08/13/10 17:05	08/17/10 09:33	EPA 3050B	1,6010B	MG
Cobalt, Total	4.5		mg/kg	0.87	0.16	1	08/13/10 17:05	08/17/10 09:33	EPA 3050B	1,6010B	MG
Copper, Total	33		mg/kg	0.44	0.05	1	08/13/10 17:05	08/17/10 09:33	EPA 3050B	1,6010B	MG
Iron, Total	17000		mg/kg	2.2	0.78	1	08/13/10 17:05	08/17/10 09:33	EPA 3050B	1,6010B	MG
Lead, Total	49		mg/kg	2.2	0.06	1	08/13/10 17:05	08/17/10 09:33	EPA 3050B	1,6010B	MG
Magnesium, Total	2100		mg/kg	4.4	0.50	1	08/13/10 17:05	08/17/10 09:33	EPA 3050B	1,6010B	MG
Manganese, Total	3000		mg/kg	0.44	0.02	1	08/13/10 17:05	08/17/10 09:33	EPA 3050B	1,6010B	MG
Mercury, Total	0.18		mg/kg	0.07	0.02	1	08/16/10 14:36	08/17/10 15:25	EPA 7471A	1,7471A	EZ
Nickel, Total	15		mg/kg	1.1	0.07	1	08/13/10 17:05	08/17/10 09:33	EPA 3050B	1,6010B	MG
Potassium, Total	1200		mg/kg	110	39.	1	08/13/10 17:05	08/17/10 09:33	EPA 3050B	1,6010B	MG
Selenium, Total	1.5		mg/kg	0.87	0.12	1	08/13/10 17:05	08/17/10 09:33	EPA 3050B	1,6010B	MG
Silver, Total	0.68		mg/kg	0.44	0.03	1	08/13/10 17:05	08/17/10 09:33	EPA 3050B	1,6010B	MG
Sodium, Total	3200		mg/kg	87	24.	1	08/13/10 17:05	08/17/10 09:33	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	1.7	0.52	2	08/13/10 17:05	08/17/10 11:58	EPA 3050B	1,6010B	MG
Vanadium, Total	14		mg/kg	0.44	0.11	1	08/13/10 17:05	08/17/10 09:33	EPA 3050B	1,6010B	MG
Zinc, Total	13000		mg/kg	220	7.0	100	08/13/10 17:05	08/17/10 12:04	EPA 3050B	1,6010B	MG

Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012502-10

Date Collected: 08/12/10 09:52

Client ID: SP-10-13-025

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4200		mg/kg	4.5	1.3	1	08/13/10 17:05	08/17/10 09:36	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.2	0.19	1	08/13/10 17:05	08/17/10 09:36	EPA 3050B	1,6010B	MG
Arsenic, Total	7.5		mg/kg	0.45	0.09	1	08/13/10 17:05	08/17/10 09:36	EPA 3050B	1,6010B	MG
Barium, Total	12		mg/kg	0.45	0.05	1	08/13/10 17:05	08/17/10 09:36	EPA 3050B	1,6010B	MG
Beryllium, Total	0.31		mg/kg	0.22	0.01	1	08/13/10 17:05	08/17/10 09:36	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.45	0.04	1	08/13/10 17:05	08/17/10 09:36	EPA 3050B	1,6010B	MG
Calcium, Total	460		mg/kg	4.5	0.81	1	08/13/10 17:05	08/17/10 09:36	EPA 3050B	1,6010B	MG
Chromium, Total	8.6		mg/kg	0.45	0.05	1	08/13/10 17:05	08/17/10 09:36	EPA 3050B	1,6010B	MG
Cobalt, Total	2.5		mg/kg	0.90	0.16	1	08/13/10 17:05	08/17/10 09:36	EPA 3050B	1,6010B	MG
Copper, Total	5.3		mg/kg	0.45	0.05	1	08/13/10 17:05	08/17/10 09:36	EPA 3050B	1,6010B	MG
Iron, Total	6100		mg/kg	2.2	0.80	1	08/13/10 17:05	08/17/10 09:36	EPA 3050B	1,6010B	MG
Lead, Total	5.3		mg/kg	2.2	0.06	1	08/13/10 17:05	08/17/10 09:36	EPA 3050B	1,6010B	MG
Magnesium, Total	1600		mg/kg	4.5	0.52	1	08/13/10 17:05	08/17/10 09:36	EPA 3050B	1,6010B	MG
Manganese, Total	64		mg/kg	0.45	0.02	1	08/13/10 17:05	08/17/10 09:36	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/16/10 14:36	08/17/10 15:27	EPA 7471A	1,7471A	EZ
Nickel, Total	8.2		mg/kg	1.1	0.07	1	08/13/10 17:05	08/17/10 09:36	EPA 3050B	1,6010B	MG
Potassium, Total	480		mg/kg	110	40	1	08/13/10 17:05	08/17/10 09:36	EPA 3050B	1,6010B	MG
Selenium, Total	0.14	J	mg/kg	0.90	0.13	1	08/13/10 17:05	08/17/10 09:36	EPA 3050B	1,6010B	MG
Silver, Total	0.051	J	mg/kg	0.45	0.03	1	08/13/10 17:05	08/17/10 09:36	EPA 3050B	1,6010B	MG
Sodium, Total	ND		mg/kg	90	25	1	08/13/10 17:05	08/17/10 09:36	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.90	0.27	1	08/13/10 17:05	08/17/10 09:36	EPA 3050B	1,6010B	MG
Vanadium, Total	7.2		mg/kg	0.45	0.11	1	08/13/10 17:05	08/17/10 09:36	EPA 3050B	1,6010B	MG
Zinc, Total	20		mg/kg	2.2	0.07	1	08/13/10 17:05	08/17/10 09:36	EPA 3050B	1,6010B	MG



Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012502-11

Date Collected: 08/12/10 09:55

Client ID: SP-10-13-027

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 55%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	1900		mg/kg	7.3	2.2	1	08/13/10 17:05	08/17/10 09:39	EPA 3050B	1,6010B	MG
Antimony, Total	0.9	J	mg/kg	3.7	0.32	1	08/13/10 17:05	08/17/10 09:39	EPA 3050B	1,6010B	MG
Arsenic, Total	7.0		mg/kg	0.73	0.15	1	08/13/10 17:05	08/17/10 09:39	EPA 3050B	1,6010B	MG
Barium, Total	81		mg/kg	0.73	0.09	1	08/13/10 17:05	08/17/10 09:39	EPA 3050B	1,6010B	MG
Beryllium, Total	0.26	J	mg/kg	0.37	0.02	1	08/13/10 17:05	08/17/10 09:39	EPA 3050B	1,6010B	MG
Cadmium, Total	0.65	J	mg/kg	0.73	0.06	1	08/13/10 17:05	08/17/10 09:39	EPA 3050B	1,6010B	MG
Calcium, Total	14000		mg/kg	7.3	1.3	1	08/13/10 17:05	08/17/10 09:39	EPA 3050B	1,6010B	MG
Chromium, Total	3.9		mg/kg	0.73	0.08	1	08/13/10 17:05	08/17/10 09:39	EPA 3050B	1,6010B	MG
Cobalt, Total	1.6		mg/kg	1.5	0.26	1	08/13/10 17:05	08/17/10 09:39	EPA 3050B	1,6010B	MG
Copper, Total	15		mg/kg	0.73	0.08	1	08/13/10 17:05	08/17/10 09:39	EPA 3050B	1,6010B	MG
Iron, Total	9700		mg/kg	3.7	1.3	1	08/13/10 17:05	08/17/10 09:39	EPA 3050B	1,6010B	MG
Lead, Total	53		mg/kg	3.7	0.10	1	08/13/10 17:05	08/17/10 09:39	EPA 3050B	1,6010B	MG
Magnesium, Total	990		mg/kg	7.3	0.85	1	08/13/10 17:05	08/17/10 09:39	EPA 3050B	1,6010B	MG
Manganese, Total	660		mg/kg	0.73	0.03	1	08/13/10 17:05	08/17/10 09:39	EPA 3050B	1,6010B	MG
Mercury, Total	0.17		mg/kg	0.14	0.03	1	08/16/10 14:36	08/17/10 15:28	EPA 7471A	1,7471A	EZ
Nickel, Total	5.5		mg/kg	1.8	0.12	1	08/13/10 17:05	08/17/10 09:39	EPA 3050B	1,6010B	MG
Potassium, Total	280		mg/kg	180	65	1	08/13/10 17:05	08/17/10 09:39	EPA 3050B	1,6010B	MG
Selenium, Total	3.0		mg/kg	1.5	0.20	1	08/13/10 17:05	08/17/10 09:39	EPA 3050B	1,6010B	MG
Silver, Total	0.35	J	mg/kg	0.73	0.04	1	08/13/10 17:05	08/17/10 09:39	EPA 3050B	1,6010B	MG
Sodium, Total	700		mg/kg	150	40	1	08/13/10 17:05	08/17/10 09:39	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	1.5	0.44	1	08/13/10 17:05	08/17/10 09:39	EPA 3050B	1,6010B	MG
Vanadium, Total	4.3		mg/kg	0.73	0.18	1	08/13/10 17:05	08/17/10 09:39	EPA 3050B	1,6010B	MG
Zinc, Total	2000		mg/kg	73	2.3	20	08/13/10 17:05	08/17/10 12:01	EPA 3050B	1,6010B	MG



Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012502-12

Date Collected: 08/12/10 09:57

Client ID: SP-10-13-030

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	2600		mg/kg	4.4	1.3	1	08/13/10 17:05	08/17/10 09:42	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.2	0.19	1	08/13/10 17:05	08/17/10 09:42	EPA 3050B	1,6010B	MG
Arsenic, Total	0.80		mg/kg	0.44	0.09	1	08/13/10 17:05	08/17/10 09:42	EPA 3050B	1,6010B	MG
Barium, Total	5.3		mg/kg	0.44	0.05	1	08/13/10 17:05	08/17/10 09:42	EPA 3050B	1,6010B	MG
Beryllium, Total	0.13	J	mg/kg	0.22	0.01	1	08/13/10 17:05	08/17/10 09:42	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.44	0.04	1	08/13/10 17:05	08/17/10 09:42	EPA 3050B	1,6010B	MG
Calcium, Total	390		mg/kg	4.4	0.79	1	08/13/10 17:05	08/17/10 09:42	EPA 3050B	1,6010B	MG
Chromium, Total	4.7		mg/kg	0.44	0.05	1	08/13/10 17:05	08/17/10 09:42	EPA 3050B	1,6010B	MG
Cobalt, Total	1.4		mg/kg	0.88	0.16	1	08/13/10 17:05	08/17/10 09:42	EPA 3050B	1,6010B	MG
Copper, Total	0.83		mg/kg	0.44	0.05	1	08/13/10 17:05	08/17/10 09:42	EPA 3050B	1,6010B	MG
Iron, Total	3100		mg/kg	2.2	0.78	1	08/13/10 17:05	08/17/10 09:42	EPA 3050B	1,6010B	MG
Lead, Total	2.5		mg/kg	2.2	0.06	1	08/13/10 17:05	08/17/10 09:42	EPA 3050B	1,6010B	MG
Magnesium, Total	940		mg/kg	4.4	0.51	1	08/13/10 17:05	08/17/10 09:42	EPA 3050B	1,6010B	MG
Manganese, Total	35		mg/kg	0.44	0.02	1	08/13/10 17:05	08/17/10 09:42	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.09	0.02	1	08/16/10 14:36	08/17/10 15:30	EPA 7471A	1,7471A	EZ
Nickel, Total	3.9		mg/kg	1.1	0.07	1	08/13/10 17:05	08/17/10 09:42	EPA 3050B	1,6010B	MG
Potassium, Total	160		mg/kg	110	39	1	08/13/10 17:05	08/17/10 09:42	EPA 3050B	1,6010B	MG
Selenium, Total	0.14	J	mg/kg	0.88	0.12	1	08/13/10 17:05	08/17/10 09:42	EPA 3050B	1,6010B	MG
Silver, Total	0.042	J	mg/kg	0.44	0.03	1	08/13/10 17:05	08/17/10 09:42	EPA 3050B	1,6010B	MG
Sodium, Total	ND		mg/kg	88	24	1	08/13/10 17:05	08/17/10 09:42	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.88	0.26	1	08/13/10 17:05	08/17/10 09:42	EPA 3050B	1,6010B	MG
Vanadium, Total	3.4		mg/kg	0.44	0.11	1	08/13/10 17:05	08/17/10 09:42	EPA 3050B	1,6010B	MG
Zinc, Total	10		mg/kg	2.2	0.07	1	08/13/10 17:05	08/17/10 09:42	EPA 3050B	1,6010B	MG

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012502

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012502-13

Client ID: SP-10-13-032

Sample Location: DEVENS, MA

Matrix: Soil

Percent Solids: 96%

Date Collected: 08/12/10 10:00

Date Received: 08/12/10

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	2600		mg/kg	4.2	1.2	1	08/13/10 17:05	08/17/10 09:45	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.1	0.18	1	08/13/10 17:05	08/17/10 09:45	EPA 3050B	1,6010B	MG
Arsenic, Total	1.5		mg/kg	0.42	0.08	1	08/13/10 17:05	08/17/10 09:45	EPA 3050B	1,6010B	MG
Barium, Total	5.4		mg/kg	0.42	0.05	1	08/13/10 17:05	08/17/10 09:45	EPA 3050B	1,6010B	MG
Beryllium, Total	0.19	J	mg/kg	0.21	0.01	1	08/13/10 17:05	08/17/10 09:45	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.42	0.03	1	08/13/10 17:05	08/17/10 09:45	EPA 3050B	1,6010B	MG
Calcium, Total	550		mg/kg	4.2	0.75	1	08/13/10 17:05	08/17/10 09:45	EPA 3050B	1,6010B	MG
Chromium, Total	4.6		mg/kg	0.42	0.05	1	08/13/10 17:05	08/17/10 09:45	EPA 3050B	1,6010B	MG
Cobalt, Total	1.4		mg/kg	0.83	0.15	1	08/13/10 17:05	08/17/10 09:45	EPA 3050B	1,6010B	MG
Copper, Total	3.1		mg/kg	0.42	0.05	1	08/13/10 17:05	08/17/10 09:45	EPA 3050B	1,6010B	MG
Iron, Total	3200		mg/kg	2.1	0.74	1	08/13/10 17:05	08/17/10 09:45	EPA 3050B	1,6010B	MG
Lead, Total	3.6		mg/kg	2.1	0.05	1	08/13/10 17:05	08/17/10 09:45	EPA 3050B	1,6010B	MG
Magnesium, Total	930		mg/kg	4.2	0.48	1	08/13/10 17:05	08/17/10 09:45	EPA 3050B	1,6010B	MG
Manganese, Total	34		mg/kg	0.42	0.02	1	08/13/10 17:05	08/17/10 09:45	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/16/10 14:36	08/17/10 15:32	EPA 7471A	1,7471A	EZ
Nickel, Total	5.6		mg/kg	1.0	0.07	1	08/13/10 17:05	08/17/10 09:45	EPA 3050B	1,6010B	MG
Potassium, Total	320		mg/kg	100	37	1	08/13/10 17:05	08/17/10 09:45	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	0.83	0.12	1	08/13/10 17:05	08/17/10 09:45	EPA 3050B	1,6010B	MG
Silver, Total	0.074	J	mg/kg	0.42	0.03	1	08/13/10 17:05	08/17/10 09:45	EPA 3050B	1,6010B	MG
Sodium, Total	ND		mg/kg	83	23	1	08/13/10 17:05	08/17/10 09:45	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.83	0.25	1	08/13/10 17:05	08/17/10 09:45	EPA 3050B	1,6010B	MG
Vanadium, Total	3.6		mg/kg	0.42	0.10	1	08/13/10 17:05	08/17/10 09:45	EPA 3050B	1,6010B	MG
Zinc, Total	9.8		mg/kg	2.1	0.07	1	08/13/10 17:05	08/17/10 09:45	EPA 3050B	1,6010B	MG



Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012502-14

Date Collected: 08/12/10 10:02

Client ID: SP-10-13-035

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	2800		mg/kg	4.9	1.4	1	08/13/10 17:05	08/17/10 09:48	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.4	0.21	1	08/13/10 17:05	08/17/10 09:48	EPA 3050B	1,6010B	MG
Arsenic, Total	1.7		mg/kg	0.49	0.10	1	08/13/10 17:05	08/17/10 09:48	EPA 3050B	1,6010B	MG
Barium, Total	5.9		mg/kg	0.49	0.06	1	08/13/10 17:05	08/17/10 09:48	EPA 3050B	1,6010B	MG
Beryllium, Total	0.19	J	mg/kg	0.24	0.02	1	08/13/10 17:05	08/17/10 09:48	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.49	0.04	1	08/13/10 17:05	08/17/10 09:48	EPA 3050B	1,6010B	MG
Calcium, Total	380		mg/kg	4.9	0.88	1	08/13/10 17:05	08/17/10 09:48	EPA 3050B	1,6010B	MG
Chromium, Total	5.4		mg/kg	0.49	0.05	1	08/13/10 17:05	08/17/10 09:48	EPA 3050B	1,6010B	MG
Cobalt, Total	1.4		mg/kg	0.97	0.18	1	08/13/10 17:05	08/17/10 09:48	EPA 3050B	1,6010B	MG
Copper, Total	4.5		mg/kg	0.49	0.05	1	08/13/10 17:05	08/17/10 09:48	EPA 3050B	1,6010B	MG
Iron, Total	3400		mg/kg	2.4	0.87	1	08/13/10 17:05	08/17/10 09:48	EPA 3050B	1,6010B	MG
Lead, Total	3.5		mg/kg	2.4	0.06	1	08/13/10 17:05	08/17/10 09:48	EPA 3050B	1,6010B	MG
Magnesium, Total	1000		mg/kg	4.9	0.56	1	08/13/10 17:05	08/17/10 09:48	EPA 3050B	1,6010B	ML
Manganese, Total	32		mg/kg	0.49	0.02	1	08/13/10 17:05	08/17/10 09:48	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.10	0.02	1	08/16/10 14:36	08/17/10 15:37	EPA 7471A	1,7471A	EZ
Nickel, Total	5.8		mg/kg	1.2	0.08	1	08/13/10 17:05	08/17/10 09:48	EPA 3050B	1,6010B	MG
Potassium, Total	330		mg/kg	120	43	1	08/13/10 17:05	08/17/10 09:48	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	0.97	0.14	1	08/13/10 17:05	08/17/10 09:48	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.49	0.03	1	08/13/10 17:05	08/17/10 09:48	EPA 3050B	1,6010B	MG
Sodium, Total	43	J	mg/kg	97	27	1	08/13/10 17:05	08/17/10 09:48	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.97	0.29	1	08/13/10 17:05	08/17/10 09:48	EPA 3050B	1,6010B	MG
Vanadium, Total	3.7		mg/kg	0.49	0.12	1	08/13/10 17:05	08/17/10 09:48	EPA 3050B	1,6010B	MG
Zinc, Total	9.5		mg/kg	2.4	0.08	1	08/13/10 17:05	08/17/10 09:48	EPA 3050B	1,6010B	MG



Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012502-15

Date Collected: 08/12/10 10:05

Client ID: SP-10-13-040

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 73%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	9300		mg/kg	5.6	1.6	1	08/13/10 17:05	08/17/10 10:03	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.8	0.24	1	08/13/10 17:05	08/17/10 10:03	EPA 3050B	1,6010B	MG
Arsenic, Total	5.9		mg/kg	0.56	0.11	1	08/13/10 17:05	08/17/10 10:03	EPA 3050B	1,6010B	MG
Barium, Total	27		mg/kg	0.56	0.07	1	08/13/10 17:05	08/17/10 10:03	EPA 3050B	1,6010B	MG
Beryllium, Total	0.84		mg/kg	0.28	0.02	1	08/13/10 17:05	08/17/10 10:03	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.56	0.05	1	08/13/10 17:05	08/17/10 10:03	EPA 3050B	1,6010B	MG
Calcium, Total	2500		mg/kg	5.6	1.0	1	08/13/10 17:05	08/17/10 10:03	EPA 3050B	1,6010B	MG
Chromium, Total	48		mg/kg	0.56	0.06	1	08/13/10 17:05	08/17/10 10:03	EPA 3050B	1,6010B	MG
Cobalt, Total	5.9		mg/kg	1.1	0.20	1	08/13/10 17:05	08/17/10 10:03	EPA 3050B	1,6010B	MG
Copper, Total	71		mg/kg	0.56	0.06	1	08/13/10 17:05	08/17/10 10:03	EPA 3050B	1,6010B	MG
Iron, Total	16000		mg/kg	2.8	0.99	1	08/13/10 17:05	08/17/10 10:03	EPA 3050B	1,6010B	MG
Lead, Total	13		mg/kg	2.8	0.07	1	08/13/10 17:05	08/17/10 10:03	EPA 3050B	1,6010B	MG
Magnesium, Total	3400		mg/kg	5.6	0.65	1	08/13/10 17:05	08/17/10 10:03	EPA 3050B	1,6010B	MG
Manganese, Total	150		mg/kg	0.56	0.02	1	08/13/10 17:05	08/17/10 10:03	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.10	0.02	1	08/16/10 14:36	08/17/10 15:39	EPA 7471A	1,7471A	EZ
Nickel, Total	23		mg/kg	1.4	0.09	1	08/13/10 17:05	08/17/10 10:03	EPA 3050B	1,6010B	MG
Potassium, Total	1400		mg/kg	140	49	1	08/13/10 17:05	08/17/10 10:03	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	1.1	0.16	1	08/13/10 17:05	08/17/10 10:03	EPA 3050B	1,6010B	MG
Silver, Total	0.08	J	mg/kg	0.56	0.03	1	08/13/10 17:05	08/17/10 10:03	EPA 3050B	1,6010B	MG
Sodium, Total	150		mg/kg	110	31	1	08/13/10 17:05	08/17/10 10:03	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	1.1	0.33	1	08/13/10 17:05	08/17/10 10:03	EPA 3050B	1,6010B	MG
Vanadium, Total	14		mg/kg	0.56	0.14	1	08/13/10 17:05	08/17/10 10:03	EPA 3050B	1,6010B	MG
Zinc, Total	34		mg/kg	2.8	0.09	1	08/13/10 17:05	08/17/10 10:03	EPA 3050B	1,6010B	MG

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012502

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012502-16

Client ID: SP-10-13-065

Sample Location: DEVENS, MA

Matrix: Soil

Percent Solids: 92%

Date Collected: 08/12/10 10:07

Date Received: 08/12/10

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	2500	J	mg/kg	4.3	1.3	1	08/13/10 17:05	08/17/10 08:42	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.1	0.18	1	08/13/10 17:05	08/17/10 08:42	EPA 3050B	1,6010B	MG
Arsenic, Total	3.8		mg/kg	0.43	0.09	1	08/13/10 17:05	08/17/10 08:42	EPA 3050B	1,6010B	MG
Barium, Total	9.1		mg/kg	0.43	0.05	1	08/13/10 17:05	08/17/10 08:42	EPA 3050B	1,6010B	MG
Beryllium, Total	0.19	J	mg/kg	0.21	0.01	1	08/13/10 17:05	08/17/10 08:42	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.43	0.03	1	08/13/10 17:05	08/17/10 08:42	EPA 3050B	1,6010B	MG
Calcium, Total	420		mg/kg	4.3	0.77	1	08/13/10 17:05	08/17/10 08:42	EPA 3050B	1,6010B	MG
Chromium, Total	4.6	J	mg/kg	0.43	0.05	1	08/13/10 17:05	08/17/10 08:42	EPA 3050B	1,6010B	MG
Cobalt, Total	1.4		mg/kg	0.86	0.15	1	08/13/10 17:05	08/17/10 08:42	EPA 3050B	1,6010B	MG
Copper, Total	3.9		mg/kg	0.43	0.05	1	08/13/10 17:05	08/17/10 08:42	EPA 3050B	1,6010B	MG
Iron, Total	3900	J	mg/kg	2.1	0.76	1	08/13/10 17:05	08/17/10 08:42	EPA 3050B	1,6010B	MG
Lead, Total	3.3		mg/kg	2.1	0.06	1	08/13/10 17:05	08/17/10 08:42	EPA 3050B	1,6010B	MG
Magnesium, Total	930	J	mg/kg	4.3	0.50	1	08/13/10 17:05	08/17/10 08:42	EPA 3050B	1,6010B	MG
Manganese, Total	33	J	mg/kg	0.43	0.02	1	08/13/10 17:05	08/17/10 08:42	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/16/10 14:36	08/17/10 15:41	EPA 7471A	1,7471A	EZ
Nickel, Total	5.6		mg/kg	1.1	0.07	1	08/13/10 17:05	08/17/10 08:42	EPA 3050B	1,6010B	MG
Potassium, Total	320		mg/kg	110	38	1	08/13/10 17:05	08/17/10 08:42	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	0.86	0.12	1	08/13/10 17:05	08/17/10 08:42	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.43	0.03	1	08/13/10 17:05	08/17/10 08:42	EPA 3050B	1,6010B	MG
Sodium, Total	ND		mg/kg	86	24	1	08/13/10 17:05	08/17/10 08:42	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.86	0.26	1	08/13/10 17:05	08/17/10 08:42	EPA 3050B	1,6010B	MG
Vanadium, Total	3.8		mg/kg	0.43	0.11	1	08/13/10 17:05	08/17/10 08:42	EPA 3050B	1,6010B	MG
Zinc, Total	8.1		mg/kg	2.1	0.07	1	08/13/10 17:05	08/17/10 08:42	EPA 3050B	1,6010B	MG



Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012502-17

Date Collected: 08/12/10 10:10

Client ID: SP-10-13-067

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3200		mg/kg	4.5	1.3	1	08/13/10 17:05	08/17/10 10:06	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.3	0.20	1	08/13/10 17:05	08/17/10 10:06	EPA 3050B	1,6010B	MG
Arsenic, Total	5.6		mg/kg	0.45	0.09	1	08/13/10 17:05	08/17/10 10:06	EPA 3050B	1,6010B	MG
Barium, Total	12		mg/kg	0.45	0.05	1	08/13/10 17:05	08/17/10 10:06	EPA 3050B	1,6010B	MG
Beryllium, Total	0.23		mg/kg	0.23	0.01	1	08/13/10 17:05	08/17/10 10:06	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.45	0.04	1	08/13/10 17:05	08/17/10 10:06	EPA 3050B	1,6010B	MG
Calcium, Total	450		mg/kg	4.5	0.82	1	08/13/10 17:05	08/17/10 10:06	EPA 3050B	1,6010B	MG
Chromium, Total	5.9		mg/kg	0.45	0.05	1	08/13/10 17:05	08/17/10 10:06	EPA 3050B	1,6010B	MG
Cobalt, Total	1.7		mg/kg	0.91	0.16	1	08/13/10 17:05	08/17/10 10:06	EPA 3050B	1,6010B	MG
Copper, Total	4.7		mg/kg	0.45	0.05	1	08/13/10 17:05	08/17/10 10:06	EPA 3050B	1,6010B	MG
Iron, Total	5400		mg/kg	2.3	0.81	1	08/13/10 17:05	08/17/10 10:06	EPA 3050B	1,6010B	MG
Lead, Total	4.5		mg/kg	2.3	0.06	1	08/13/10 17:05	08/17/10 10:06	EPA 3050B	1,6010B	MG
Magnesium, Total	1200		mg/kg	4.5	0.53	1	08/13/10 17:05	08/17/10 10:06	EPA 3050B	1,6010B	MG
Manganese, Total	42		mg/kg	0.45	0.02	1	08/13/10 17:05	08/17/10 10:06	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/16/10 14:36	08/17/10 15:46	EPA 7471A	1,7471A	EZ
Nickel, Total	7.2		mg/kg	1.1	0.07	1	08/13/10 17:05	08/17/10 10:06	EPA 3050B	1,6010B	MG
Potassium, Total	380		mg/kg	110	40	1	08/13/10 17:05	08/17/10 10:06	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	0.91	0.13	1	08/13/10 17:05	08/17/10 10:06	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.45	0.03	1	08/13/10 17:05	08/17/10 10:06	EPA 3050B	1,6010B	MG
Sodium, Total	25	J	mg/kg	91	25	1	08/13/10 17:05	08/17/10 10:06	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.91	0.27	1	08/13/10 17:05	08/17/10 10:06	EPA 3050B	1,6010B	MG
Vanadium, Total	4.8		mg/kg	0.45	0.11	1	08/13/10 17:05	08/17/10 10:06	EPA 3050B	1,6010B	MG
Zinc, Total	10		mg/kg	2.3	0.07	1	08/13/10 17:05	08/17/10 10:06	EPA 3050B	1,6010B	MG

Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012502-18

Date Collected: 08/12/10 10:15

Client ID: SP-10-13-070

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4900		mg/kg	4.0	1.2	1	08/13/10 17:05	08/17/10 10:12	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.0	0.17	1	08/13/10 17:05	08/17/10 10:12	EPA 3050B	1,6010B	MG
Arsenic, Total	9.4		mg/kg	0.40	0.08	1	08/13/10 17:05	08/17/10 10:12	EPA 3050B	1,6010B	MG
Barium, Total	12		mg/kg	0.40	0.05	1	08/13/10 17:05	08/17/10 10:12	EPA 3050B	1,6010B	MG
Beryllium, Total	0.33		mg/kg	0.20	0.01	1	08/13/10 17:05	08/17/10 10:12	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	08/13/10 17:05	08/17/10 10:12	EPA 3050B	1,6010B	MG
Calcium, Total	360		mg/kg	4.0	0.72	1	08/13/10 17:05	08/17/10 10:12	EPA 3050B	1,6010B	MG
Chromium, Total	13		mg/kg	0.40	0.04	1	08/13/10 17:05	08/17/10 10:12	EPA 3050B	1,6010B	MG
Cobalt, Total	4.3		mg/kg	0.80	0.14	1	08/13/10 17:05	08/17/10 10:12	EPA 3050B	1,6010B	MG
Copper, Total	6.2		mg/kg	0.40	0.04	1	08/13/10 17:05	08/17/10 10:12	EPA 3050B	1,6010B	MG
Iron, Total	8500		mg/kg	2.0	0.71	1	08/13/10 17:05	08/17/10 10:12	EPA 3050B	1,6010B	MG
Lead, Total	7.1		mg/kg	2.0	0.05	1	08/13/10 17:05	08/17/10 10:12	EPA 3050B	1,6010B	MG
Magnesium, Total	2200		mg/kg	4.0	0.46	1	08/13/10 17:05	08/17/10 10:12	EPA 3050B	1,6010B	ML
Manganese, Total	82		mg/kg	0.40	0.02	1	08/13/10 17:05	08/17/10 10:12	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/16/10 14:36	08/17/10 15:48	EPA 7471A	1,7471A	EZ
Nickel, Total	9.2		mg/kg	1.0	0.06	1	08/13/10 17:05	08/17/10 10:12	EPA 3050B	1,6010B	MG
Potassium, Total	450		mg/kg	100	35	1	08/13/10 17:05	08/17/10 10:12	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	0.80	0.11	1	08/13/10 17:05	08/17/10 10:12	EPA 3050B	1,6010B	MG
Silver, Total	0.13	J	mg/kg	0.40	0.02	1	08/13/10 17:05	08/17/10 10:12	EPA 3050B	1,6010B	MG
Sodium, Total	ND		mg/kg	80	22	1	08/13/10 17:05	08/17/10 10:12	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.80	0.24	1	08/13/10 17:05	08/17/10 10:12	EPA 3050B	1,6010B	MG
Vanadium, Total	8.1		mg/kg	0.40	0.10	1	08/13/10 17:05	08/17/10 10:12	EPA 3050B	1,6010B	MG
Zinc, Total	15		mg/kg	2.0	0.06	1	08/13/10 17:05	08/17/10 10:12	EPA 3050B	1,6010B	MG



Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012502-19
 Client ID: SDUP4-081210
 Sample Location: DEVENS, MA
 Matrix: Soil
 Percent Solids: 94%

Date Collected: 08/12/10 10:00
 Date Received: 08/12/10
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	2500		mg/kg	4.2	1.2	1	08/13/10 17:05	08/17/10 10:15	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.1	0.18	1	08/13/10 17:05	08/17/10 10:15	EPA 3050B	1,6010B	MG
Arsenic, Total	1.6		mg/kg	0.42	0.08	1	08/13/10 17:05	08/17/10 10:15	EPA 3050B	1,6010B	MG
Barium, Total	5.2		mg/kg	0.42	0.05	1	08/13/10 17:05	08/17/10 10:15	EPA 3050B	1,6010B	MG
Beryllium, Total	0.19	J	mg/kg	0.21	0.01	1	08/13/10 17:05	08/17/10 10:15	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.42	0.03	1	08/13/10 17:05	08/17/10 10:15	EPA 3050B	1,6010B	MG
Calcium, Total	600		mg/kg	4.2	0.76	1	08/13/10 17:05	08/17/10 10:15	EPA 3050B	1,6010B	MG
Chromium, Total	4.4		mg/kg	0.42	0.05	1	08/13/10 17:05	08/17/10 10:15	EPA 3050B	1,6010B	MG
Cobalt, Total	1.3		mg/kg	0.84	0.15	1	08/13/10 17:05	08/17/10 10:15	EPA 3050B	1,6010B	MG
Copper, Total	2.7		mg/kg	0.42	0.05	1	08/13/10 17:05	08/17/10 10:15	EPA 3050B	1,6010B	MG
Iron, Total	3100		mg/kg	2.1	0.74	1	08/13/10 17:05	08/17/10 10:15	EPA 3050B	1,6010B	MG
Lead, Total	3.5		mg/kg	2.1	0.05	1	08/13/10 17:05	08/17/10 10:15	EPA 3050B	1,6010B	MG
Magnesium, Total	900		mg/kg	4.2	0.48	1	08/13/10 17:05	08/17/10 10:15	EPA 3050B	1,6010B	MG
Manganese, Total	34		mg/kg	0.42	0.02	1	08/13/10 17:05	08/17/10 10:15	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.09	0.02	1	08/16/10 14:36	08/17/10 15:50	EPA 7471A	1,7471A	EZ
Nickel, Total	5.3		mg/kg	1.0	0.07	1	08/13/10 17:05	08/17/10 10:15	EPA 3050B	1,6010B	MG
Potassium, Total	310		mg/kg	100	37	1	08/13/10 17:05	08/17/10 10:15	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	0.84	0.12	1	08/13/10 17:05	08/17/10 10:15	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.42	0.03	1	08/13/10 17:05	08/17/10 10:15	EPA 3050B	1,6010B	MG
Sodium, Total	ND		mg/kg	84	23	1	08/13/10 17:05	08/17/10 10:15	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.84	0.25	1	08/13/10 17:05	08/17/10 10:15	EPA 3050B	1,6010B	MG
Vanadium, Total	3.4		mg/kg	0.42	0.10	1	08/13/10 17:05	08/17/10 10:15	EPA 3050B	1,6010B	MG
Zinc, Total	9.1		mg/kg	2.1	0.07	1	08/13/10 17:05	08/17/10 10:15	EPA 3050B	1,6010B	MG



Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012502-20
 Client ID: SDUP5-081210
 Sample Location: DEVENS, MA
 Matrix: Soil
 Percent Solids: 85%

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3000		mg/kg	4.7	1.4	1	08/13/10 17:05	08/17/10 10:18	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.4	0.20	1	08/13/10 17:05	08/17/10 10:18	EPA 3050B	1,6010B	MG
Arsenic, Total	5.4		mg/kg	0.47	0.09	1	08/13/10 17:05	08/17/10 10:18	EPA 3050B	1,6010B	MG
Barium, Total	13		mg/kg	0.47	0.06	1	08/13/10 17:05	08/17/10 10:18	EPA 3050B	1,6010B	MG
Beryllium, Total	0.24		mg/kg	0.24	0.01	1	08/13/10 17:05	08/17/10 10:18	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.47	0.04	1	08/13/10 17:05	08/17/10 10:18	EPA 3050B	1,6010B	MG
Calcium, Total	500		mg/kg	4.7	0.86	1	08/13/10 17:05	08/17/10 10:18	EPA 3050B	1,6010B	MG
Chromium, Total	5.3		mg/kg	0.47	0.05	1	08/13/10 17:05	08/17/10 10:18	EPA 3050B	1,6010B	MG
Cobalt, Total	1.8		mg/kg	0.94	0.17	1	08/13/10 17:05	08/17/10 10:18	EPA 3050B	1,6010B	MG
Copper, Total	4.5		mg/kg	0.47	0.05	1	08/13/10 17:05	08/17/10 10:18	EPA 3050B	1,6010B	MG
Iron, Total	4900		mg/kg	2.4	0.84	1	08/13/10 17:05	08/17/10 10:18	EPA 3050B	1,6010B	MG
Lead, Total	4.0		mg/kg	2.4	0.06	1	08/13/10 17:05	08/17/10 10:18	EPA 3050B	1,6010B	MG
Magnesium, Total	1100		mg/kg	4.7	0.55	1	08/13/10 17:05	08/17/10 10:18	EPA 3050B	1,6010B	ML
Manganese, Total	39		mg/kg	0.47	0.02	1	08/13/10 17:05	08/17/10 10:18	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/16/10 14:36	08/17/10 15:52	EPA 7471A	1,7471A	EZ
Nickel, Total	6.7		mg/kg	1.2	0.08	1	08/13/10 17:05	08/17/10 10:18	EPA 3050B	1,6010B	MG
Potassium, Total	430		mg/kg	120	42	1	08/13/10 17:05	08/17/10 10:18	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	0.94	0.13	1	08/13/10 17:05	08/17/10 10:18	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.47	0.03	1	08/13/10 17:05	08/17/10 10:18	EPA 3050B	1,6010B	MG
Sodium, Total	ND		mg/kg	94	26	1	08/13/10 17:05	08/17/10 10:18	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.94	0.28	1	08/13/10 17:05	08/17/10 10:18	EPA 3050B	1,6010B	MG
Vanadium, Total	4.5		mg/kg	0.47	0.12	1	08/13/10 17:05	08/17/10 10:18	EPA 3050B	1,6010B	MG
Zinc, Total	9.8		mg/kg	2.4	0.08	1	08/13/10 17:05	08/17/10 10:18	EPA 3050B	1,6010B	MG



Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-20 Batch: WG427615-1										
Aluminum, Total	ND		mg/kg	4.0	1.2	1	08/13/10 17:05	08/17/10 08:09	1,6010B	MG
Antimony, Total	ND		mg/kg	2.0	0.17	1	08/13/10 17:05	08/17/10 08:09	1,6010B	MG
Arsenic, Total	ND		mg/kg	0.40	0.08	1	08/13/10 17:05	08/17/10 08:09	1,6010B	MG
Barium, Total	ND		mg/kg	0.40	0.05	1	08/13/10 17:05	08/17/10 08:09	1,6010B	MG
Beryllium, Total	ND		mg/kg	0.20	0.01	1	08/13/10 17:05	08/17/10 08:09	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	08/13/10 17:05	08/17/10 08:09	1,6010B	MG
Calcium, Total	ND		mg/kg	4.0	0.72	1	08/13/10 17:05	08/17/10 08:09	1,6010B	MG
Chromium, Total	ND		mg/kg	0.40	0.04	1	08/13/10 17:05	08/17/10 08:09	1,6010B	MG
Cobalt, Total	ND		mg/kg	0.80	0.14	1	08/13/10 17:05	08/17/10 08:09	1,6010B	MG
Copper, Total	ND		mg/kg	0.40	0.04	1	08/13/10 17:05	08/17/10 08:09	1,6010B	MG
Iron, Total	ND		mg/kg	2.0	0.71	1	08/13/10 17:05	08/17/10 08:09	1,6010B	MG
Lead, Total	ND		mg/kg	2.0	0.05	1	08/13/10 17:05	08/17/10 08:09	1,6010B	MG
Magnesium, Total	ND		mg/kg	4.0	0.46	1	08/13/10 17:05	08/17/10 08:09	1,6010B	MG
Manganese, Total	ND		mg/kg	0.40	0.02	1	08/13/10 17:05	08/17/10 08:09	1,6010B	MG
Nickel, Total	ND		mg/kg	1.0	0.06	1	08/13/10 17:05	08/17/10 08:09	1,6010B	MG
Potassium, Total	ND		mg/kg	100	35	1	08/13/10 17:05	08/17/10 08:09	1,6010B	MG
Selenium, Total	ND		mg/kg	0.80	0.11	1	08/13/10 17:05	08/17/10 08:09	1,6010B	MG
Silver, Total	ND		mg/kg	0.40	0.02	1	08/13/10 17:05	08/17/10 08:09	1,6010B	MG
Sodium, Total	ND		mg/kg	80	22	1	08/13/10 17:05	08/17/10 08:09	1,6010B	MG
Thallium, Total	ND		mg/kg	0.80	0.24	1	08/13/10 17:05	08/17/10 08:09	1,6010B	MG
Vanadium, Total	ND		mg/kg	0.40	0.10	1	08/13/10 17:05	08/17/10 08:09	1,6010B	MG
Zinc, Total	ND		mg/kg	2.0	0.06	1	08/13/10 17:05	08/17/10 08:09	1,6010B	MG

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-20 Batch: WG427862-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/16/10 14:36	08/17/10 15:03	1,7471A	EZ



Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471A



Lab Control Sample Analysis Batch Quality Control

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012502

Report Date: 08/31/10

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-20 Batch: WG427615-2								
Aluminum, Total	97		-		80-120	-		
Antimony, Total	97		-		80-120	-		
Arsenic, Total	102		-		80-120	-		
Barium, Total	95		-		80-120	-		
Beryllium, Total	102		-		80-120	-		
Cadmium, Total	105		-		80-120	-		
Calcium, Total	89		-		80-120	-		
Chromium, Total	97		-		80-120	-		
Cobalt, Total	97		-		80-120	-		
Copper, Total	99		-		80-120	-		
Iron, Total	104		-		80-120	-		
Lead, Total	100		-		80-120	-		
Magnesium, Total	94		-		80-120	-		
Manganese, Total	97		-		80-120	-		
Nickel, Total	97		-		80-120	-		
Potassium, Total	89		-		80-120	-		
Selenium, Total	98		-		80-120	-		
Silver, Total	102		-		75-120	-		
Sodium, Total	102		-		80-120	-		
Thallium, Total	100		-		80-120	-		
Vanadium, Total	97		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012502

Report Date: 08/31/10

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-20 Batch: WG427615-2					
Zinc, Total	92		80-120	-	
Total Metals - Westborough Lab Associated sample(s): 01-20 Batch: WG427862-2					
Mercury, Total	111		80-120	-	20

Matrix Spike Analysis Batch Quality Control

Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012502
Report Date: 08/31/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-20 QC Batch ID: WG427615-3 WG427615-4 QC Sample: L1012502-16 Client ID: SP-10-13-065												
Aluminum, Total	2500	86.8	4100	1840		2600	113		80-120	45	Q	20
Antimony, Total	ND	21.7	15	69	Q	15	68	Q	80-120	0		20
Arsenic, Total	3.8	5.21	8.2	84		8.2	83		80-120	0		20
Barium, Total	9.1	86.8	88	91		89	90		80-120	1		20
Beryllium, Total	ND	2.17	2.4	110		2.3	104		80-120	4		20
Cadmium, Total	ND	2.21	2.1	95		2.2	98		80-120	5		20
Calcium, Total	420	434	790	85		700	63		80-120	12		20
Chromium, Total	4.6	8.68	17	143	Q	13	95		80-120	27	Q	20
Cobalt, Total	1.4	21.7	22	95		22	93		80-120	0		20
Copper, Total	3.9	10.8	16	111		14	92		80-120	13		20
Iron, Total	3900	43.4	6700	6450		3900	0		80-120	53	Q	20
Lead, Total	3.3	22.1	26	102		24	92		80-120	8		20
Magnesium, Total	930	434	2300	316	Q	1400	106		80-120	49	Q	20
Manganese, Total	33	21.7	79	212	Q	53	91		80-120	39	Q	20
Nickel, Total	5.6	21.7	28	103		25	88		80-120	11		20
Potassium, Total	320	434	760	101		710	88		80-120	7		20
Selenium, Total	ND	5.21	5.0	96		5.1	96		80-120	2		20
Silver, Total	ND	13	13	100		14	106		75-120	7		20
Sodium, Total	ND	434	510	117		490	111		80-120	4		20
Thallium, Total	ND	5.21	5.0	96		5.0	94		80-120	0		20
Vanadium, Total	3.8	21.7	27	107		24	92		80-120	12		20

Matrix Spike Analysis

Batch Quality Control

Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012502
Report Date: 08/31/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-20 QC Batch ID: WG427615-3 WG427615-4 QC Sample: L1012502-16 Client ID: SP-10-13-065									
Zinc, Total	8.1	21.7	33	115	28	90	80-120	16	20
Total Metals - Westborough Lab Associated sample(s): 01-20 QC Batch ID: WG427862-3 WG427862-4 QC Sample: L1012502-16 Client ID: SP-10-13-065									
Mercury, Total	ND	0.148	0.15	101	0.17	100	80-120	13	20

INORGANICS & MISCELLANEOUS

Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012502
Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012502-01
Client ID: SP-10-13-001
Sample Location: DEVENS, MA
Matrix: Soil

Date Collected: 08/12/10 09:30
Date Received: 08/12/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	0.057		%	0.010	0.010	1	-	08/20/10 11:44	1,9060	NR
Total Organic Carbon (Rep2)	0.061		%	0.010	0.010	1	-	08/20/10 11:44	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	100		%	0.10	NA	1	-	08/13/10 17:25	30,2540G	AC



Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012502-02

Date Collected: 08/12/10 09:33

Client ID: SP-10-13-005

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	0.332		%	0.010	0.010	1	-	08/20/10 11:44	1,9060	NR
Total Organic Carbon (Rep2)	0.320		%	0.010	0.010	1	-	08/20/10 11:44	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	93		%	0.10	NA	1	-	08/13/10 17:25	30,2540G	AC



Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012502-03

Date Collected: 08/12/10 09:35

Client ID: SP-10-13-008

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	0.570		%	0.010	0.010	1	-	08/21/10 07:00	1,9060	NR
Total Organic Carbon (Rep2)	0.396		%	0.010	0.010	1	-	08/21/10 07:00	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	94		%	0.10	NA	1	-	08/13/10 17:25	30,2540G	AC

Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012502-04

Date Collected: 08/12/10 09:37

Client ID: SP-10-13-010

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	0.075		%	0.010	0.010	1	-	08/19/10 11:09	1,9060	NR
Total Organic Carbon (Rep2)	0.090		%	0.010	0.010	1	-	08/19/10 11:09	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	93		%	0.10	NA	1	-	08/13/10 17:25	30,2540G	AC

Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012502
Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012502-05
Client ID: SP-10-13-011
Sample Location: DEVENS, MA
Matrix: Soil

Date Collected: 08/12/10 09:40
Date Received: 08/12/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	ND		%	0.010	0.010	1	-	08/21/10 07:00	1,9060	NR
Total Organic Carbon (Rep2)	0.014		%	0.010	0.010	1	-	08/21/10 07:00	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	99		%	0.10	NA	1	-	08/13/10 17:25	30,2540G	AC

Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012502-06

Date Collected: 08/12/10 09:42

Client ID: SP-10-13-015

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	0.020		%	0.010	0.010	1	-	08/20/10 11:44	1,9060	NR
Total Organic Carbon (Rep2)	0.023		%	0.010	0.010	1	-	08/20/10 11:44	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	93		%	0.10	NA	1	-	08/13/10 17:25	30,2540G	AC



Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012502-07

Date Collected: 08/12/10 09:45

Client ID: SP-10-13-017

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	0.036		%	0.010	0.010	1	-	08/19/10 11:09	1,9060	NR
Total Organic Carbon (Rep2)	0.039		%	0.010	0.010	1	-	08/19/10 11:09	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	99		%	0.10	NA	1	-	08/13/10 17:25	30,2540G	AC



Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012502-08

Date Collected: 08/12/10 09:47

Client ID: SP-10-13-020

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	0.061		%	0.010	0.010	1	-	08/19/10 11:09	1,9060	NR
Total Organic Carbon (Rep2)	0.073		%	0.010	0.010	1	-	08/19/10 11:09	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	95		%	0.10	NA	1	-	08/13/10 17:25	30,2540G	AC



Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012502
Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012502-09
Client ID: SP-10-13-023
Sample Location: DEVENS, MA
Matrix: Soil

Date Collected: 08/12/10 09:50
Date Received: 08/12/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	5.37		%	0.010	0.010	1	-	08/20/10 11:44	1,9060	NR
Total Organic Carbon (Rep2)	5.50		%	0.010	0.010	1	-	08/20/10 11:44	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	90		%	0.10	NA	1	-	08/13/10 17:25	30,2540G	AC

Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012502-10

Date Collected: 08/12/10 09:52

Client ID: SP-10-13-025

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	0.343		%	0.010	0.010	1	-	08/19/10 11:09	1,9060	NR
Total Organic Carbon (Rep2)	0.324		%	0.010	0.010	1	-	08/19/10 11:09	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	89		%	0.10	NA	1	-	08/13/10 17:25	30,2540G	AC

Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012502
Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012502-11
Client ID: SP-10-13-027
Sample Location: DEVENS, MA
Matrix: Soil

Date Collected: 08/12/10 09:55
Date Received: 08/12/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	12.5		%	0.010	0.010	1	-	08/20/10 11:44	1,9060	NR
Total Organic Carbon (Rep2)	12.2		%	0.010	0.010	1	-	08/20/10 11:44	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	55		%	0.10	NA	1	-	08/13/10 17:25	30,2540G	AC



Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012502-12

Date Collected: 08/12/10 09:57

Client ID: SP-10-13-030

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	9.48		%	0.010	0.010	1	-	08/20/10 11:44	1,9060	NR
Total Organic Carbon (Rep2)	7.37		%	0.010	0.010	1	-	08/20/10 11:44	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	93		%	0.10	NA	1	-	08/13/10 17:25	30,2540G	AC

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012502

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012502-13

Client ID: SP-10-13-032

Sample Location: DEVENS, MA

Matrix: Soil

Date Collected: 08/12/10 10:00

Date Received: 08/12/10

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	0.102		%	0.010	0.010	1	-	08/20/10 11:44	1,9060	NR
Total Organic Carbon (Rep2)	0.082		%	0.010	0.010	1	-	08/20/10 11:44	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	96		%	0.10	NA	1	-	08/13/10 17:25	30,2540G	AC

Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012502-14

Date Collected: 08/12/10 10:02

Client ID: SP-10-13-035

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	0.225		%	0.010	0.010	1	-	08/20/10 11:44	1,9060	NR
Total Organic Carbon (Rep2)	0.166		%	0.010	0.010	1	-	08/20/10 11:44	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	79		%	0.10	NA	1	-	08/13/10 17:25	30,2540G	AC



Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012502-15

Date Collected: 08/12/10 10:05

Client ID: SP-10-13-040

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	0.412		%	0.010	0.010	1	-	08/20/10 11:44	1,9060	NR
Total Organic Carbon (Rep2)	0.410		%	0.010	0.010	1	-	08/20/10 11:44	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	73		%	0.10	NA	1	-	08/13/10 17:25	30,2540G	AC

Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012502-16

Date Collected: 08/12/10 10:07

Client ID: SP-10-13-065

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	ND		%	0.010	0.010	1	-	08/20/10 11:44	1,9060	NR
Total Organic Carbon (Rep2)	ND		%	0.010	0.010	1	-	08/20/10 11:44	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	92		%	0.10	NA	1	-	08/13/10 17:25	30,2540G	AC

Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012502-17

Date Collected: 08/12/10 10:10

Client ID: SP-10-13-067

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	ND		%	0.010	0.010	1	-	08/20/10 11:44	1,9060	NR
Total Organic Carbon (Rep2)	ND		%	0.010	0.010	1	-	08/20/10 11:44	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	84		%	0.10	NA	1	-	08/13/10 17:25	30,2540G	AC

Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012502-18

Date Collected: 08/12/10 10:15

Client ID: SP-10-13-070

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	ND		%	0.010	0.010	1	-	08/20/10 11:44	1,9060	NR
Total Organic Carbon (Rep2)	0.017		%	0.010	0.010	1	-	08/20/10 11:44	1,9060	NR
General Chemistry - Westborough Lab										
Solids, Total	96		%	0.10	NA	1	-	08/13/10 17:25	30,2540G	AC

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012502

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012502-19

Client ID: SDUP4-081210

Sample Location: DEVENS, MA

Matrix: Soil

Date Collected: 08/12/10 10:00

Date Received: 08/12/10

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94		%	0.10	NA	1	-	08/13/10 17:25	30,2540G	AC



Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012502-20

Date Collected: 08/12/10 10:12

Client ID: SDUP5-081210

Date Received: 08/12/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85		%	0.10	NA	1	-	08/13/10 17:25	30,2540G	AC

Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab for sample(s): 01-02,06,09,11-18 Batch: WG427742-1										
Total Organic Carbon (Rep1)	ND		%	0.010	0.010	1	-	08/20/10 11:44	1,9060	NR
Total Organic Carbon (Rep2)	ND		%	0.010	0.010	1	-	08/20/10 11:44	1,9060	NR
Total Organic Carbon - Mansfield Lab for sample(s): 04,07-08,10 Batch: WG428738-1										
Total Organic Carbon (Rep1)	ND		%	0.010	0.010	1	-	08/19/10 11:09	1,9060	NR
Total Organic Carbon (Rep2)	ND		%	0.010	0.010	1	-	08/19/10 11:09	1,9060	NR
Total Organic Carbon - Mansfield Lab for sample(s): 03,05 Batch: WG428757-1										
Total Organic Carbon (Rep1)	ND		%	0.010	0.010	1	-	08/21/10 07:00	1,9060	NR
Total Organic Carbon (Rep2)	ND		%	0.010	0.010	1	-	08/21/10 07:00	1,9060	NR

Project Name: SHL TASK 0002
Project Number: AC001

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1012502
Report Date: 08/31/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-20 QC Batch ID: WG427600-1 QC Sample: L1012502-01 Client ID: SP-10-13-001						
Solids, Total	100	100	%	0		20

Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

S.R.M. Standard Quality Control

Standard Reference Material (SRM): WG427742-2

Parameter	% Recovery	Qual	QC Criteria
Total Organic Carbon (Rep1)	91		75-125
Total Organic Carbon (Rep2)	98		75-125

Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

S.R.M. Standard Quality Control

Standard Reference Material (SRM): WG428738-2

Parameter	% Recovery	Qual	QC Criteria
Total Organic Carbon (Rep1)	100		75-125
Total Organic Carbon (Rep2)	109		75-125

Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

S.R.M. Standard Quality Control

Standard Reference Material (SRM): WG428757-2

Parameter	% Recovery	Qual	QC Criteria
Total Organic Carbon (Rep1)	119		75-125
Total Organic Carbon (Rep2)	111		75-125

Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

A Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012502-01A	Amber 250ml unpreserved	A	N/A	2.7	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012502-01X	Glass 100ml unpreserved split	A	N/A	2.7	Y	Present/Intact	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012502-02A	Amber 250ml unpreserved	A	N/A	2.7	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012502-02X	Glass 100ml unpreserved split	A	N/A	2.7	Y	Present/Intact	A2-TOC-9060-2REPS(28)
L1012502-03A	Amber 250ml unpreserved	A	N/A	2.7	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012502-03X	Glass 100ml unpreserved split	A	N/A	2.7	Y	Present/Intact	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012502-04A	Amber 250ml unpreserved	A	N/A	2.7	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012502-04X	Glass 100ml unpreserved split	A	N/A	2.7	Y	Present/Intact	A2-TOC-9060-2REPS(28)
L1012502-05A	Amber 250ml unpreserved	A	N/A	2.7	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012502-05X	Glass 100ml unpreserved split	A	N/A	2.7	Y	Present/Intact	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012502-06A	Amber 250ml unpreserved	A	N/A	2.7	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012502-06X	Glass 100ml unpreserved split	A	N/A	2.7	Y	Present/Intact	A2-TOC-9060-2REPS(28)
L1012502-07A	Amber 250ml unpreserved	A	N/A	2.7	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012502-07X	Glass 100ml unpreserved split	A	N/A	2.7	Y	Present/Intact	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012502-08A	Amber 250ml unpreserved	A	N/A	2.7	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012502-08X	Glass 100ml unpreserved split	A	N/A	2.7	Y	Present/Intact	A2-TOC-9060-2REPS(28)
L1012502-09A	Amber 250ml unpreserved	A	N/A	2.7	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012502-09X	Glass 100ml unpreserved split	A	N/A	2.7	Y	Present/Intact	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012502-10A	Amber 250ml unpreserved	A	N/A	2.7	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012502-10X	Glass 100ml unpreserved split	A	N/A	2.7	Y	Present/Intact	A2-TOC-9060-2REPS(28)
L1012502-11A	Amber 250ml unpreserved	A	N/A	2.7	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012502-11X	Glass 100ml unpreserved split	A	N/A	2.7	Y	Present/Intact	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012502

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012502-12A	Amber 250ml unpreserved	A	N/A	2.7	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012502-12X	Glass 100ml unpreserved split	A	N/A	2.7	Y	Present/Intact	A2-TOC-9060-2REPS(28)
L1012502-13A	Amber 250ml unpreserved	A	N/A	2.7	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012502-13X	Glass 100ml unpreserved split	A	N/A	2.7	Y	Present/Intact	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012502-14A	Amber 250ml unpreserved	A	N/A	2.7	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012502-14X	Glass 100ml unpreserved split	A	N/A	2.7	Y	Present/Intact	A2-TOC-9060-2REPS(28)
L1012502-15A	Amber 250ml unpreserved	A	N/A	2.7	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012502-15X	Glass 100ml unpreserved split	A	N/A	2.7	Y	Present/Intact	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012502-16A	Amber 250ml unpreserved	A	N/A	2.7	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012502-16X	Amber 250ml unpreserved	A	N/A	2.7	Y	Present/Intact	A2-TOC-9060-2REPS(28)
L1012502-17A	Amber 250ml unpreserved	A	N/A	2.7	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012502-17X	Glass 100ml unpreserved split	A	N/A	2.7	Y	Present/Intact	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012502

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012502-18A	Amber 250ml unpreserved	A	N/A	2.7	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012502-18X	Glass 100ml unpreserved split	A	N/A	2.7	Y	Present/Intact	A2-TOC-9060-2REPS(28)
L1012502-19A	Amber 250ml unpreserved	A	N/A	2.7	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012502

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012502-20A	Amber 250ml unpreserved	A	N/A	2.7	Y	Present/Intact	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

GLOSSARY

Acronyms

- EPA - Environmental Protection Agency.
- LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
- LCS D - 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.
- MS D - Matrix Spike Sample Duplicate: Refer to MS.
- NA - Not Applicable.
- NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
- NI - Not Ignitable.
- RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
- RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1.8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

- A - Spectra identified as "Aldol Condensation Product".
- B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
- D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
- P - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R - Analytical results are from sample re-analysis.

Report Format: DU Report with "J" Qualifiers



Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

Data Qualifiers

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL). This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample.

Report Format: DU Report with "J" Qualifiers



Project Name: SHL TASK 0002

Lab Number: L1012502

Project Number: AC001

Report Date: 08/31/10

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

The analyses performed on the sample(s) within this report are in accordance with the minimum established guidelines set forth in the Department of Defense Quality Systems Manual, Version 4.1, issued April 22, 2009

LIMITATION OF LIABILITIES

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

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



Certificate/Approval Program Summary

Last revised July 19, 2010 - Westboro Facility

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

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

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

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

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Volatile Organics, Acid Extractables (Phenols), 3,3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.

Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500CI-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500CI-D, 4500CI-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624, ME DRO, ME GRO, MA EPH, MA VPH.)

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

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

Drinking Water

Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)

(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)

353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, 2320B, SM2540C, SM4500H-B.

Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)

(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.

Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D

Non-Potable Water

Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)

(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)

245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)

(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. *Organic Parameters:* 504.1, 524.2, SM6251B.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. *Organic Parameters:* SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. *Organic Parameters:* SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. *Organic Parameters:* 504.1, SM6251B, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500CI-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. *Organic Parameters:* SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. *Organic Parameters:* SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. *Organic Parameters:* EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500CI-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. *Organic Parameters:* EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)

Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. *Organic Parameters:* EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

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

Pennsylvania Department of Environmental Protection Certificate/Lab ID: 68-03671. NELAP Accredited.

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

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. *Organic Parameters:* 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. NELAP Accredited via NY-DOH.

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Texas Commission on Environmental Quality Certificate/Lab ID: T104704476-09-1. NELAP Accredited.

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S₂⁻D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

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

Department of Defense Certificate/Lab ID: L2217.

Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 120.1, 9050A, 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S₂-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035, MassDEP EPH, MassDEP VPH.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **EPA 8260B**: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A**: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C**: Methyl naphthalene, Dimethyl naphthalene, Total Methyl naphthalenes, Total Dimethyl naphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625**: 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

Certificate/Approval Program Summary

Last revised July 19, 2010 – Mansfield Facility

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

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. NELAP Accredited.

Non-Potable Water (Inorganic Parameters: SM2320B, EPA 120.1, SM2510B, EPA 245.1, EPA 150.1, EPA 160.2, SM2540D, EPA 335.2, SM2540G, EPA 180.1. Organic Parameters: EPA 625, 608.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045, 9014. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. NELAP Accredited.

Non-Potable Water (Inorganic Parameters: EPA 120.1, 150.1, 160.2, 180.1, 200.8, 245.1, 310.1, 335.2, 608, 625, 1631, 3010, 3015, 3020, 6020, 9010, 9014, 9040, SM2320B, 2510B, 2540D, 2540G, 4500CN-E, 4500H-B, Organic Parameters: EPA 3510, 3580, 3630, 3640, 3660, 3665, 5030, 8015 (mod), 3570, 8081, 8082, 8260, 8270,)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7196, 7470, 7471, 7474, 9010, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015 (mod), EPA 3570, 1311, 3050, 3051, 3060, 3580, 3630, 3640, 3660, 3665, 5035, 8081, 8082, 8260, 8270.)

Biological Tissue (Inorganic Parameters: EPA 6020. Organic Parameters: EPA 3570, 3510, 3610, 3630, 3640, 8270.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA030.

Non-Potable Water (Inorganic Parameters: SM4500H+B. Organic Parameters: EPA 624.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. NELAP Accredited.

Non-Potable Water (Inorganic Parameters: EPA 200.8, 245.1, 1631E, 120.1, 150.1, 180.1, 310.1, 335.2, 160.2, SM2540D, 2540G, 4500CN-E, 4500H+B, 2320B, 2510B. Organic Parameters: EPA 625, 608.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. NELAP Accredited.

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, 3015, 6020, SM2320B, EPA 200.8, SM2540C, 2540D, 2540G, EPA 120.1, SM2510B, EPA 180.1, 245.1, 1631E, SW-846 9040B, 6020, 9010B, 9014 Organic Parameters: EPA 608, 625, SW-846 3510C, 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 9010B, 9014, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 9045C, 9060. Organic Parameters: SW-846 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 3570, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610B, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: EPA 310.1, SM2320B, EPA 365.2, 160.1, EPA 160.2, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 335.2, 9014, 150.1, 9040B, 120.1, SM2510B, EPA 376.2, 180.1, 9010B. Organic Parameters: EPA 624, 8260B, 8270C, 608, 8081A, 625, 8082, 3510C, 3511, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, SW-846 Ch7 Sec 7.3, EPA 6020, 7196A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 3050B, 3580, 3050B, 3035, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. **NELAP Accredited via LA-DEQ.**

Refer to MA-DEP Certificate for Non-Potable Water.

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. **NELAP Accredited.**

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8260, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

U.S. Army Corps of Engineers

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

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 3051, 6020, 747A, 7474, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580, 3570, 3540C, 5035, 8260B, 8270C, 8270 Alk-PAH, 8082, 8081A, 8015 (SHC), 8015 (DRO).

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **8270C**: Biphenyl.



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

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

CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 8/12/10

ALPHA Job #: L1012502

Client Information

Client: Sovereign Consulting Inc
Address: 905B S. Main St
Mansfield, MA 02048
Phone: 508-339-3200
Fax: 508-339-3248
Email: pmbain@sovercon.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

SDCR = 31 Closed

Project Information

Project Name: SHL Task 0002
Project Location: Deven's, MA
Project #: 10001
Project Manager: Phil McBain
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due:

Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL EDR
☐ ADEX ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program

Criteria See QAPP

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

☒ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

ANALYSIS	SAMPLE HANDLING										TOTAL # BOTTLES
	Filtration _____ <input type="checkbox"/> Done <input type="checkbox"/> Not needed <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please specify below)										
TAL											
MEALS											
TOC											

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	Sample Specific Comments										
		Date	Time													
2002-01	SP-10-13-001	8/12/10	0930	S	WJW	✓	✓									1
02	SP-10-13-005	8/12/10	0933	S	WJW	✓	✓									1
03	SP-10-13-008	8/12/10	0935	S	WJW	✓	✓									1
04	SP-10-13-010	8/12/10	0937	S	WJW	✓	✓									1
05	SP-10-13-011	8/12/10	0940	S	WJW	✓	✓									1
06	SP-10-13-015	8/12/10	0942	S	WJW	✓	✓									1
07	SP-10-13-017	8/12/10	0945	S	WJW	✓	✓									1
08	SP-10-13-020	8/12/10	0948	S	WJW	✓	✓									1
09	SP-10-13-023	8/12/10	0950	S	WJW	✓	✓									1
10	SP-10-13-025	8/12/10	0952	S	WJW	✓	✓									1

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT
MA MCP or CT RCP?

Container Type A A
Preservative A A

Relinquished By:

Date/Time

Received By:

Date/Time

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.



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

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

CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd in Lab: 8/12/10

ALPHA Job #: W012502

Project Information

Project Name: SHL TASK 0002

Project Location: Devens, MA

Project #: AC001

Project Manager: Phil McBurn

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due:

Time:

Report Information - Data Deliverables

☐ FAX

☒ EMAIL EDP

☐ ADEx

☐ Add'l Deliverables

Billing Information

☐ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State / Fed Program

Criteria See QAPP

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?

Client Information

Client: Sovereign Consulting Inc

Address: 905B 3 main st

Mansfield, MA 02048

Phone: 508-339-3200

Fax: 508-339-3248

Email: p.mcburn

☐ These samples have been previously analyzed by Alpha

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)

SDG # = 31 C65d

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS <i>TAL Metals</i> <i>TUC</i>										SAMPLE HANDLING Filtration _____ <input type="checkbox"/> Done <input type="checkbox"/> Not needed <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please specify below)		Sample Specific Comments	TOTAL # BOTTLES
		Date	Time																
<u>2503-11</u>	<u>SP-10-13-027</u>	<u>8/12/10</u>	<u>0955</u>	<u>S</u>	<u>WSW</u>	<u>✓</u>	<u>✓</u>												<u>1</u>
<u>-12</u>	<u>SP-10-13-030</u>	<u>8/12/10</u>	<u>0957</u>	<u>S</u>	<u>WSW</u>	<u>✓</u>	<u>✓</u>												<u>1</u>
<u>-13</u>	<u>SP-10-13-032</u>	<u>8/12/10</u>	<u>1000</u>	<u>S</u>	<u>WSW</u>	<u>✓</u>	<u>✓</u>												<u>1</u>
<u>-14</u>	<u>SP-10-13-035</u>	<u>8/12/10</u>	<u>1002</u>	<u>S</u>	<u>WSW</u>	<u>✓</u>	<u>✓</u>												<u>1</u>
<u>-15</u>	<u>SP-10-13-040</u>	<u>8/12/10</u>	<u>1005</u>	<u>S</u>	<u>WSW</u>	<u>✓</u>	<u>✓</u>												<u>1</u>
<u>-16</u>	<u>SP-10-13-065</u>	<u>8/12/10</u>	<u>1007</u>	<u>S</u>	<u>WSW</u>	<u>✓</u>	<u>✓</u>											<u>MS/MSD Metals only</u>	<u>2</u>
<u>-17</u>	<u>SP-10-13-067</u>	<u>8/12/10</u>	<u>1010</u>	<u>S</u>	<u>WSW</u>	<u>✓</u>	<u>✓</u>												<u>1</u>
<u>-18</u>	<u>SP-10-13-070</u>	<u>8/12/10</u>	<u>1015</u>	<u>S</u>	<u>WSW</u>	<u>✓</u>	<u>✓</u>												<u>1</u>
<u>-19</u>	<u>SDUP4-081210</u>	<u>8/12/10</u>	<u>1000</u>	<u>S</u>	<u>WSW</u>	<u>✓</u>													<u>1</u>
<u>-20</u>	<u>SDUP5-081210</u>	<u>8/12/10</u>	<u>1012</u>	<u>S</u>	<u>WSW</u>	<u>✓</u>													<u>1</u>

PLEASE ANSWER QUESTIONS ABOVE!

Container Type A A

Preservative A A

IS YOUR PROJECT
MA MCP or CT RCP?

Relinquished By: [Signature]

Date/Time: 8/12/10 1730

Received By: [Signature]

Date/Time: 8/12/10 1730

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.



CHAIN OF CUSTODY

PAGE 1 OF 2

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

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

Client Information

Client: Sovereign Consulting IncAddress: 905 B S Main St
Mansfield, MA 02048Phone: 508-339-3200Fax: 508-339-3248Email: pmc@sovereign.com☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

SDCA = 31 Closed

Project Information

Project Name: SHL Task 0002Project Location: Dorchester, MAProject #: AC001Project Manager: Phil McBain

ALPHA Quote #:

Turn-Around Time

☒ Standard☐ RUSH (only confirmed if pre-approved)

Date Due:

Time:

Date Rec'd in Lab: 8/12/10ALPHA Job #: 1013503

Report Information - Data Deliverables

☐ FAX☒ EMAIL EDR☐ ADEx☐ Add'l Deliverables

Billing Information

☐ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State / Fed Program

Criteria See QAPP

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

☒ Yes ☐ No

Are MCP Analytical Methods Required?

☐ Yes ☒ No

Are CT RCP (Reasonable Confidence Protocols) Required?

ANALYSIS
TALS
TUC

SAMPLE HANDLING

Filtration

☐ Done☐ Not needed☐ Lab to do

Preservation

☐ Lab to do

(Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials											
		Date	Time													
2002-01	SP-10-13-001	8/12/10	0930	S	WJW	✓	✓									1
02	SP-10-13-005	8/12/10	0933	S	WJW	✓	✓									1
03	SP-10-13-008	8/12/10	0935	S	WJW	✓	✓									1
04	SP-10-13-010	8/12/10	0937	S	WJW	✓	✓									1
05	SP-10-13-011	8/12/10	0940	S	WJW	✓	✓									1
06	SP-10-13-015	8/12/10	0942	S	WJW	✓	✓									1
07	SP-10-13-017	8/12/10	0945	S	WJW	✓	✓									1
08	SP-10-13-020	8/12/10	0948	S	WJW	✓	✓									1
09	SP-10-13-023	8/12/10	0950	S	WJW	✓	✓									1
10	SP-10-13-025	8/12/10	0952	S	WJW	✓	✓									1

PLEASE ANSWER QUESTIONS ABOVE!

Container Type A APreservative A AIS YOUR PROJECT
MA MCP or CT RCP?

Relinquished By:

Date/Time

Received By:

Date/Time

FORM NO: 01-01 (REV. 14-OCT-07)

8/12/10 11:10
[Signature]8/12/10 1730
[Signature]
8/12/10 1840
[Signature]
8/12/10 945
[Signature]8/12/10 1730
[Signature]
8/12/10 4250
[Signature]
8/12/10 945
[Signature]

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until the sample bottles are received. All samples submitted are subject to Alpha's signature and validation. See reverse side.



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

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

CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd in Lab: 8/12/10

ALPHA Job #: LAC12502

Client Information

Client: Sovereign Consulting Inc
Address: 905B S. Main St
Mansfield, MA 02048
Phone: 508-339-3200
Fax: 508-339-3248
Email: pmbain

Project Information

Project Name: SHL TASK 0002
Project Location: Duxens, MA
Project #: ACOOL
Project Manager: Phil McBain
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: Time:

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/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)

SDG# = 31 C6ind

Report Information - Data Deliverables

☐ FAX ☒ EMAIL EDI
☐ ADEX ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program Criteria See QAPP

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?

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	(Please specify below)															Sample Specific Comments																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
		Date	Time																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
2502-11	SP-10-13-027	8/12/10	1055	S	WJW	✓	✓																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

SAMPLE HANDLING

Filtration _____
☐ Done
☐ Not needed
☐ Lab to do
☐ Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

MS/MSD Metals only

PLEASE ANSWER QUESTIONS ABOVE!

Container Type A A

Preservative A A

IS YOUR PROJECT
MA MCP or CT RCP?

Relinquished By: <i>[Signature]</i>	Date/Time: 8/12/10 1730	Received By: <i>[Signature]</i>	Date/Time: 8/12/10 1730
<i>[Signature]</i>	8/12/10 1800	<i>[Signature]</i>	8/12/10 1800
<i>[Signature]</i>	8/12/10 1810	<i>[Signature]</i>	8/12/10 1810
<i>[Signature]</i>	8/12/10 1810	<i>[Signature]</i>	8/12/10 1810

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.



ANALYTICAL REPORT

Lab Number: L1012639

Client: Sovereign Consulting
905B South Main Street
Mansfield, MA 02048

ATTN: Neil Schofield

Phone: (508) 339-3200

Project Name: SHL TASK 0002

Project Number: AC001

Report Date: 08/31/10

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

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



Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012639
Report Date: 08/31/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1012639-01	SP-10-11-003	DEVENS, MA	08/12/10 08:00
L1012639-02	SP-10-11-005	DEVENS, MA	08/12/10 08:02
L1012639-03	SP-10-11-007	DEVENS, MA	08/12/10 08:05
L1012639-04	SP-10-11-012	DEVENS, MA	08/12/10 08:07
L1012639-05	SP-10-11-015	DEVENS, MA	08/12/10 08:10
L1012639-06	SP-10-11-020	DEVENS, MA	08/12/10 08:15
L1012639-07	SP-10-11-023	DEVENS, MA	08/12/10 08:18
L1012639-08	SP-10-11-025	DEVENS, MA	08/12/10 08:20
L1012639-09	SP-10-11-033	DEVENS, MA	08/12/10 08:22
L1012639-10	SP-10-11-040	DEVENS, MA	08/12/10 08:25
L1012639-11	SP-10-11-055	DEVENS, MA	08/12/10 08:27
L1012639-12	SP-10-11-062	DEVENS, MA	08/12/10 08:30
L1012639-13	SDUP-081210	DEVENS, MA	08/12/10 08:15
L1012639-14	SDUP8-081210	DEVENS, MA	08/12/10 08:20

Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012639
Report Date: 08/31/10

Case Narrative

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

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

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

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

Report Submission

This report replaces the report issued on August 26, 2010. The report has been amended to correct the MDL for Mercury and revise the Mercury results reported for samples L1012639-03 and -04.

Testing performed for the reported analyses followed the guidelines established under the DoD QSM 4.1, where applicable.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L1012639-01 through -05 and -07 through -12 were received without a separate container for the Total Organic Carbon analysis. An aliquot was taken from an unpreserved container and sent to the Mansfield

Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012639
Report Date: 08/31/10

Case Narrative (continued)

laboratory for analysis.

Metals

L1012639-12 has an elevated detection limit for Selenium due to the dilution required by non-target analyte spectral interferences encountered during analysis.

The WG428048-1 Method Blank, associated with L1012639-01 through -14, has a concentration greater than one half the reporting limit for Iron. The results in the associated samples are greater than 10x the Method Blank concentration; therefore, no qualification of results was performed.

The WG428048-3/-4 MS/MSD recoveries for Aluminum (0%/0%), Iron (0%/0%), Magnesium (0%/0%) and Manganese (198%/0%), performed on L1012639-06, are invalid because the sample concentrations are greater than four times the spike amount added.

The WG428048-3/-4 MS/MSD recoveries, performed on L1012639-06, are outside the acceptance criteria for Antimony (54%/54%), Barium (67%/66%), Cadmium (MS at 209%), Calcium (79%/62%), Chromium (MSD at 74%), Copper (MSD at 69%), Potassium (MSD at 79%), Sodium (129%/121%) and Zinc (MSD at 74%). A post digestion spike was performed with acceptable recoveries of Antimony (91%), Barium (78%), Cadmium (89%), Calcium (76%), Chromium (76%), Copper (91%), Potassium (81%), Sodium (116%) and Zinc (81%).

L1012639-06 is qualified as "J" for Barium, Cadmium, Calcium, Chromium, Copper, Potassium and Zinc.

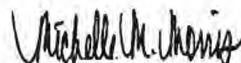
The WG428048-3/-4 MS/MSD RPDs, performed on L1012639-06, are above the acceptance criteria for Cadmium (44%) and Manganese (31%). The parent sample (L1012639-06) is qualified as "J" for Manganese.

Total Organic Carbon

The WG428038-4 MS recovery, performed on L1012639-06, is outside the acceptance criteria for Total Organic Carbon (REP 1) (183%); however, the associated SRM recoveries are within criteria. No further action was required.

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

Authorized Signature:

 Michelle M. Morris

Title: Technical Director/Representative

Date: 08/31/10

METALS

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012639

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012639-01

Client ID: SP-10-11-003

Sample Location: DEVENS, MA

Matrix: Soil

Percent Solids: 92%

Date Collected: 08/12/10 08:00

Date Received: 08/16/10

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3300		mg/kg	4.3	1.3	1	08/17/10 13:10	08/23/10 10:54	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.2	0.19	1	08/17/10 13:10	08/23/10 10:54	EPA 3050B	1,6010B	MG
Arsenic, Total	6.6		mg/kg	0.43	0.09	1	08/17/10 13:10	08/23/10 10:54	EPA 3050B	1,6010B	MG
Barium, Total	8.9		mg/kg	0.43	0.05	1	08/17/10 13:10	08/23/10 10:54	EPA 3050B	1,6010B	MG
Beryllium, Total	0.32		mg/kg	0.22	0.01	1	08/17/10 13:10	08/23/10 10:54	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.43	0.04	1	08/17/10 13:10	08/23/10 10:54	EPA 3050B	1,6010B	MG
Calcium, Total	320		mg/kg	4.3	0.78	1	08/17/10 13:10	08/23/10 10:54	EPA 3050B	1,6010B	MG
Chromium, Total	6.4		mg/kg	0.43	0.05	1	08/17/10 13:10	08/23/10 10:54	EPA 3050B	1,6010B	MG
Cobalt, Total	2.1		mg/kg	0.87	0.16	1	08/17/10 13:10	08/23/10 10:54	EPA 3050B	1,6010B	MG
Copper, Total	6.8		mg/kg	0.43	0.05	1	08/17/10 13:10	08/23/10 10:54	EPA 3050B	1,6010B	MG
Iron, Total	5300		mg/kg	2.2	0.77	1	08/17/10 13:10	08/23/10 10:54	EPA 3050B	1,6010B	MG
Lead, Total	5.9		mg/kg	2.2	0.06	1	08/17/10 13:10	08/23/10 10:54	EPA 3050B	1,6010B	MG
Magnesium, Total	1200		mg/kg	4.3	0.50	1	08/17/10 13:10	08/23/10 10:54	EPA 3050B	1,6010B	MG
Manganese, Total	89		mg/kg	0.43	0.02	1	08/17/10 13:10	08/23/10 10:54	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.07	0.02	1	08/20/10 17:10	08/23/10 12:42	EPA 7471A	1,7471A	EZ
Nickel, Total	6.1		mg/kg	1.1	0.07	1	08/17/10 13:10	08/23/10 10:54	EPA 3050B	1,6010B	MG
Potassium, Total	500		mg/kg	110	38	1	08/17/10 13:10	08/23/10 10:54	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	0.87	0.12	1	08/17/10 13:10	08/23/10 10:54	EPA 3050B	1,6010B	MG
Silver, Total	3.5		mg/kg	0.43	0.03	1	08/17/10 13:10	08/23/10 10:54	EPA 3050B	1,6010B	MG
Sodium, Total	ND		mg/kg	87	24	1	08/17/10 13:10	08/23/10 10:54	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.87	0.26	1	08/17/10 13:10	08/23/10 10:54	EPA 3050B	1,6010B	MG
Vanadium, Total	5.3		mg/kg	0.43	0.11	1	08/17/10 13:10	08/23/10 10:54	EPA 3050B	1,6010B	MG
Zinc, Total	13		mg/kg	2.2	0.07	1	08/17/10 13:10	08/23/10 10:54	EPA 3050B	1,6010B	MG



Project Name: SHL TASK 0002

Lab Number: L1012639

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012639-02

Date Collected: 08/12/10 08:02

Client ID: SP-10-11-005

Date Received: 08/16/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5600		mg/kg	4.2	1.2	1	08/17/10 13:10	08/23/10 10:58	EPA 3050B	1,6010B	MG
Antimony, Total	0.3	J	mg/kg	2.1	0.18	1	08/17/10 13:10	08/23/10 10:58	EPA 3050B	1,6010B	MG
Arsenic, Total	11		mg/kg	0.42	0.09	1	08/17/10 13:10	08/23/10 10:58	EPA 3050B	1,6010B	MG
Barium, Total	86		mg/kg	0.42	0.05	1	08/17/10 13:10	08/23/10 10:58	EPA 3050B	1,6010B	MG
Beryllium, Total	0.52		mg/kg	0.21	0.01	1	08/17/10 13:10	08/23/10 10:58	EPA 3050B	1,6010B	MG
Cadmium, Total	0.21	J	mg/kg	0.42	0.03	1	08/17/10 13:10	08/23/10 10:58	EPA 3050B	1,6010B	MG
Calcium, Total	1000		mg/kg	4.2	0.77	1	08/17/10 13:10	08/23/10 10:58	EPA 3050B	1,6010B	MG
Chromium, Total	14		mg/kg	0.42	0.05	1	08/17/10 13:10	08/23/10 10:58	EPA 3050B	1,6010B	MG
Cobalt, Total	3.5		mg/kg	0.85	0.15	1	08/17/10 13:10	08/23/10 10:58	EPA 3050B	1,6010B	MG
Copper, Total	8.1		mg/kg	0.42	0.05	1	08/17/10 13:10	08/23/10 10:58	EPA 3050B	1,6010B	MG
Iron, Total	9700		mg/kg	2.1	0.76	1	08/17/10 13:10	08/23/10 10:58	EPA 3050B	1,6010B	MG
Lead, Total	110		mg/kg	2.1	0.06	1	08/17/10 13:10	08/23/10 10:58	EPA 3050B	1,6010B	MG
Magnesium, Total	2500		mg/kg	4.2	0.49	1	08/17/10 13:10	08/23/10 10:58	EPA 3050B	1,6010B	MC
Manganese, Total	190		mg/kg	0.42	0.02	1	08/17/10 13:10	08/23/10 10:58	EPA 3050B	1,6010B	MG
Mercury, Total	0.15		mg/kg	0.08	0.02	1	08/20/10 17:10	08/23/10 12:44	EPA 7471A	1,7471A	EZ
Nickel, Total	11		mg/kg	1.1	0.07	1	08/17/10 13:10	08/23/10 10:58	EPA 3050B	1,6010B	MG
Potassium, Total	880		mg/kg	110	38.	1	08/17/10 13:10	08/23/10 10:58	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	0.85	0.12	1	08/17/10 13:10	08/23/10 10:58	EPA 3050B	1,6010B	MG
Silver, Total	1.0		mg/kg	0.42	0.03	1	08/17/10 13:10	08/23/10 10:58	EPA 3050B	1,6010B	MG
Sodium, Total	120		mg/kg	85	23.	1	08/17/10 13:10	08/23/10 10:58	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.85	0.25	1	08/17/10 13:10	08/23/10 10:58	EPA 3050B	1,6010B	MG
Vanadium, Total	10		mg/kg	0.42	0.11	1	08/17/10 13:10	08/23/10 10:58	EPA 3050B	1,6010B	MG
Zinc, Total	66		mg/kg	2.1	0.07	1	08/17/10 13:10	08/23/10 10:58	EPA 3050B	1,6010B	MG



Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012639

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012639-03

Client ID: SP-10-11-007

Sample Location: DEVENS, MA

Matrix: Soil

Percent Solids: 88%

Date Collected: 08/12/10 08:05

Date Received: 08/16/10

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4800		mg/kg	4.5	1.3	1	08/17/10 13:10	08/23/10 11:01	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.2	0.19	1	08/17/10 13:10	08/23/10 11:01	EPA 3050B	1,6010B	MG
Arsenic, Total	10		mg/kg	0.45	0.09	1	08/17/10 13:10	08/23/10 11:01	EPA 3050B	1,6010B	MG
Barium, Total	14		mg/kg	0.45	0.05	1	08/17/10 13:10	08/23/10 11:01	EPA 3050B	1,6010B	MG
Beryllium, Total	0.39		mg/kg	0.22	0.01	1	08/17/10 13:10	08/23/10 11:01	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.45	0.04	1	08/17/10 13:10	08/23/10 11:01	EPA 3050B	1,6010B	MG
Calcium, Total	760		mg/kg	4.5	0.81	1	08/17/10 13:10	08/23/10 11:01	EPA 3050B	1,6010B	MG
Chromium, Total	12		mg/kg	0.45	0.05	1	08/17/10 13:10	08/23/10 11:01	EPA 3050B	1,6010B	MG
Cobalt, Total	2.8		mg/kg	0.90	0.16	1	08/17/10 13:10	08/23/10 11:01	EPA 3050B	1,6010B	MG
Copper, Total	9.3		mg/kg	0.45	0.05	1	08/17/10 13:10	08/23/10 11:01	EPA 3050B	1,6010B	MG
Iron, Total	7700		mg/kg	2.2	0.80	1	08/17/10 13:10	08/23/10 11:01	EPA 3050B	1,6010B	MG
Lead, Total	22		mg/kg	2.2	0.06	1	08/17/10 13:10	08/23/10 11:01	EPA 3050B	1,6010B	MG
Magnesium, Total	1900		mg/kg	4.5	0.52	1	08/17/10 13:10	08/23/10 11:01	EPA 3050B	1,6010B	MG
Manganese, Total	180		mg/kg	0.45	0.02	1	08/17/10 13:10	08/23/10 11:01	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.09	0.02	1	08/20/10 17:10	08/23/10 12:46	EPA 7471A	1,7471A	EZ
Nickel, Total	9.7		mg/kg	1.1	0.07	1	08/17/10 13:10	08/23/10 11:01	EPA 3050B	1,6010B	MG
Potassium, Total	710		mg/kg	110	40	1	08/17/10 13:10	08/23/10 11:01	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	0.90	0.12	1	08/17/10 13:10	08/23/10 11:01	EPA 3050B	1,6010B	MG
Silver, Total	2.2		mg/kg	0.45	0.03	1	08/17/10 13:10	08/23/10 11:01	EPA 3050B	1,6010B	MG
Sodium, Total	61	J	mg/kg	90	25	1	08/17/10 13:10	08/23/10 11:01	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.90	0.27	1	08/17/10 13:10	08/23/10 11:01	EPA 3050B	1,6010B	MG
Vanadium, Total	7.9		mg/kg	0.45	0.11	1	08/17/10 13:10	08/23/10 11:01	EPA 3050B	1,6010B	MG
Zinc, Total	33		mg/kg	2.2	0.07	1	08/17/10 13:10	08/23/10 11:01	EPA 3050B	1,6010B	MG

Project Name: SHL TASK 0002

Lab Number: L1012639

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012639-04

Date Collected: 08/12/10 08:07

Client ID: SP-10-11-012

Date Received: 08/16/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4400		mg/kg	4.2	1.2	1	08/17/10 13:10	08/23/10 11:04	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.1	0.18	1	08/17/10 13:10	08/23/10 11:04	EPA 3050B	1,6010B	MG
Arsenic, Total	12		mg/kg	0.42	0.08	1	08/17/10 13:10	08/23/10 11:04	EPA 3050B	1,6010B	MG
Barium, Total	14		mg/kg	0.42	0.05	1	08/17/10 13:10	08/23/10 11:04	EPA 3050B	1,6010B	MG
Beryllium, Total	0.38		mg/kg	0.21	0.01	1	08/17/10 13:10	08/23/10 11:04	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.42	0.03	1	08/17/10 13:10	08/23/10 11:04	EPA 3050B	1,6010B	MG
Calcium, Total	610		mg/kg	4.2	0.75	1	08/17/10 13:10	08/23/10 11:04	EPA 3050B	1,6010B	MG
Chromium, Total	8.4		mg/kg	0.42	0.05	1	08/17/10 13:10	08/23/10 11:04	EPA 3050B	1,6010B	MG
Cobalt, Total	2.5		mg/kg	0.83	0.15	1	08/17/10 13:10	08/23/10 11:04	EPA 3050B	1,6010B	MG
Copper, Total	7.3		mg/kg	0.42	0.05	1	08/17/10 13:10	08/23/10 11:04	EPA 3050B	1,6010B	MG
Iron, Total	6600		mg/kg	2.1	0.74	1	08/17/10 13:10	08/23/10 11:04	EPA 3050B	1,6010B	MG
Lead, Total	21		mg/kg	2.1	0.05	1	08/17/10 13:10	08/23/10 11:04	EPA 3050B	1,6010B	MG
Magnesium, Total	1400		mg/kg	4.2	0.48	1	08/17/10 13:10	08/23/10 11:04	EPA 3050B	1,6010B	MG
Manganese, Total	150		mg/kg	0.42	0.02	1	08/17/10 13:10	08/23/10 11:04	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/20/10 17:10	08/23/10 12:48	EPA 7471A	1,7471A	EZ
Nickel, Total	8.4		mg/kg	1.0	0.07	1	08/17/10 13:10	08/23/10 11:04	EPA 3050B	1,6010B	MG
Potassium, Total	570		mg/kg	100	37	1	08/17/10 13:10	08/23/10 11:04	EPA 3050B	1,6010B	MG
Selenium, Total	0.14	J	mg/kg	0.83	0.12	1	08/17/10 13:10	08/23/10 11:04	EPA 3050B	1,6010B	MG
Silver, Total	0.24	J	mg/kg	0.42	0.03	1	08/17/10 13:10	08/23/10 11:04	EPA 3050B	1,6010B	MG
Sodium, Total	92		mg/kg	83	23	1	08/17/10 13:10	08/23/10 11:04	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.83	0.25	1	08/17/10 13:10	08/23/10 11:04	EPA 3050B	1,6010B	MG
Vanadium, Total	6.9		mg/kg	0.42	0.10	1	08/17/10 13:10	08/23/10 11:04	EPA 3050B	1,6010B	MG
Zinc, Total	27		mg/kg	2.1	0.07	1	08/17/10 13:10	08/23/10 11:04	EPA 3050B	1,6010B	MG

Project Name: SHL TASK 0002

Lab Number: L1012639

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012639-05

Date Collected: 08/12/10 08:10

Client ID: SP-10-11-015

Date Received: 08/16/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4500		mg/kg	4.2	1.2	1	08/17/10 13:10	08/23/10 11:07	EPA 3050B	1,6010B	MG
Antimony, Total	0.43	J	mg/kg	2.1	0.18	1	08/17/10 13:10	08/23/10 11:07	EPA 3050B	1,6010B	MG
Arsenic, Total	12		mg/kg	0.42	0.08	1	08/17/10 13:10	08/23/10 11:07	EPA 3050B	1,6010B	MG
Barium, Total	15		mg/kg	0.42	0.05	1	08/17/10 13:10	08/23/10 11:07	EPA 3050B	1,6010B	MG
Beryllium, Total	0.44		mg/kg	0.21	0.01	1	08/17/10 13:10	08/23/10 11:07	EPA 3050B	1,6010B	MG
Cadmium, Total	220		mg/kg	0.42	0.03	1	08/17/10 13:10	08/23/10 11:07	EPA 3050B	1,6010B	MG
Calcium, Total	860		mg/kg	4.2	0.76	1	08/17/10 13:10	08/23/10 11:07	EPA 3050B	1,6010B	MG
Chromium, Total	42		mg/kg	0.42	0.05	1	08/17/10 13:10	08/23/10 11:07	EPA 3050B	1,6010B	MG
Cobalt, Total	3.0		mg/kg	0.84	0.15	1	08/17/10 13:10	08/23/10 11:07	EPA 3050B	1,6010B	MG
Copper, Total	33		mg/kg	0.42	0.05	1	08/17/10 13:10	08/23/10 11:07	EPA 3050B	1,6010B	MG
Iron, Total	12000		mg/kg	2.1	0.75	1	08/17/10 13:10	08/23/10 11:07	EPA 3050B	1,6010B	MG
Lead, Total	24		mg/kg	2.1	0.06	1	08/17/10 13:10	08/23/10 11:07	EPA 3050B	1,6010B	MG
Magnesium, Total	1600		mg/kg	4.2	0.49	1	08/17/10 13:10	08/23/10 11:07	EPA 3050B	1,6010B	MG
Manganese, Total	130		mg/kg	0.42	0.02	1	08/17/10 13:10	08/23/10 11:07	EPA 3050B	1,6010B	MG
Mercury, Total	0.03	J	mg/kg	0.07	0.02	1	08/20/10 17:10	08/23/10 12:49	EPA 7471A	1,7471A	EZ
Nickel, Total	16		mg/kg	1.0	0.07	1	08/17/10 13:10	08/23/10 11:07	EPA 3050B	1,6010B	MG
Potassium, Total	570		mg/kg	100	37	1	08/17/10 13:10	08/23/10 11:07	EPA 3050B	1,6010B	MG
Selenium, Total	0.12	J	mg/kg	0.84	0.12	1	08/17/10 13:10	08/23/10 11:07	EPA 3050B	1,6010B	MG
Silver, Total	14		mg/kg	0.42	0.03	1	08/17/10 13:10	08/23/10 11:07	EPA 3050B	1,6010B	MG
Sodium, Total	85		mg/kg	84	23	1	08/17/10 13:10	08/23/10 11:07	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.84	0.25	1	08/17/10 13:10	08/23/10 11:07	EPA 3050B	1,6010B	MG
Vanadium, Total	7.8		mg/kg	0.42	0.10	1	08/17/10 13:10	08/23/10 11:07	EPA 3050B	1,6010B	MG
Zinc, Total	48		mg/kg	2.1	0.07	1	08/17/10 13:10	08/23/10 11:07	EPA 3050B	1,6010B	MG

Project Name: SHL TASK 0002

Lab Number: L1012639

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012639-06

Date Collected: 08/12/10 08:15

Client ID: SP-10-11-020

Date Received: 08/16/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 99%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5400		mg/kg	4.0	1.2	1	08/17/10 13:10	08/23/10 10:42	EPA 3050B	1,6010B	MG
Antimony, Total	0.25	J	mg/kg	2.0	0.17	1	08/17/10 13:10	08/23/10 10:42	EPA 3050B	1,6010B	MG
Arsenic, Total	11		mg/kg	0.40	0.08	1	08/17/10 13:10	08/23/10 10:42	EPA 3050B	1,6010B	MG
Barium, Total	38	J	mg/kg	0.40	0.05	1	08/17/10 13:10	08/23/10 10:42	EPA 3050B	1,6010B	MG
Beryllium, Total	0.44		mg/kg	0.20	0.01	1	08/17/10 13:10	08/23/10 10:42	EPA 3050B	1,6010B	MG
Cadmium, Total	2.1	J	mg/kg	0.40	0.03	1	08/17/10 13:10	08/23/10 10:42	EPA 3050B	1,6010B	MG
Calcium, Total	680	J	mg/kg	4.0	0.72	1	08/17/10 13:10	08/23/10 10:42	EPA 3050B	1,6010B	MG
Chromium, Total	12	J	mg/kg	0.40	0.04	1	08/17/10 13:10	08/23/10 10:42	EPA 3050B	1,6010B	MG
Cobalt, Total	2.7		mg/kg	0.79	0.14	1	08/17/10 13:10	08/23/10 10:42	EPA 3050B	1,6010B	MG
Copper, Total	13	J	mg/kg	0.40	0.04	1	08/17/10 13:10	08/23/10 10:42	EPA 3050B	1,6010B	MG
Iron, Total	9200		mg/kg	2.0	0.70	1	08/17/10 13:10	08/23/10 10:42	EPA 3050B	1,6010B	MG
Lead, Total	16		mg/kg	2.0	0.05	1	08/17/10 13:10	08/23/10 10:42	EPA 3050B	1,6010B	MG
Magnesium, Total	2600		mg/kg	4.0	0.46	1	08/17/10 13:10	08/23/10 10:42	EPA 3050B	1,6010B	MG
Manganese, Total	110	J	mg/kg	0.40	0.02	1	08/17/10 13:10	08/23/10 10:42	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/20/10 17:10	08/23/10 12:51	EPA 7471A	1,7471A	EZ
Nickel, Total	12		mg/kg	0.99	0.06	1	08/17/10 13:10	08/23/10 10:42	EPA 3050B	1,6010B	MG
Potassium, Total	680	J	mg/kg	99	35	1	08/17/10 13:10	08/23/10 10:42	EPA 3050B	1,6010B	MG
Selenium, Total	0.24	J	mg/kg	0.79	0.11	1	08/17/10 13:10	08/23/10 10:42	EPA 3050B	1,6010B	MG
Silver, Total	0.84		mg/kg	0.40	0.02	1	08/17/10 13:10	08/23/10 10:42	EPA 3050B	1,6010B	MG
Sodium, Total	73	J	mg/kg	79	22	1	08/17/10 13:10	08/23/10 10:42	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.79	0.24	1	08/17/10 13:10	08/23/10 10:42	EPA 3050B	1,6010B	MG
Vanadium, Total	9.4		mg/kg	0.40	0.10	1	08/17/10 13:10	08/23/10 10:42	EPA 3050B	1,6010B	MG
Zinc, Total	25	J	mg/kg	2.0	0.06	1	08/17/10 13:10	08/23/10 10:42	EPA 3050B	1,6010B	MG



Project Name: SHL TASK 0002

Lab Number: L1012639

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012639-07

Date Collected: 08/12/10 08:18

Client ID: SP-10-11-023

Date Received: 08/16/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4500		mg/kg	4.1	1.2	1	08/17/10 13:10	08/23/10 11:10	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.0	0.18	1	08/17/10 13:10	08/23/10 11:10	EPA 3050B	1,6010B	MG
Arsenic, Total	12		mg/kg	0.41	0.08	1	08/17/10 13:10	08/23/10 11:10	EPA 3050B	1,6010B	MG
Barium, Total	12		mg/kg	0.41	0.05	1	08/17/10 13:10	08/23/10 11:10	EPA 3050B	1,6010B	MG
Beryllium, Total	0.36		mg/kg	0.20	0.01	1	08/17/10 13:10	08/23/10 11:10	EPA 3050B	1,6010B	MG
Cadmium, Total	0.05	J	mg/kg	0.41	0.03	1	08/17/10 13:10	08/23/10 11:10	EPA 3050B	1,6010B	MG
Calcium, Total	430		mg/kg	4.1	0.74	1	08/17/10 13:10	08/23/10 11:10	EPA 3050B	1,6010B	MG
Chromium, Total	9.1		mg/kg	0.41	0.05	1	08/17/10 13:10	08/23/10 11:10	EPA 3050B	1,6010B	MG
Cobalt, Total	4.9		mg/kg	0.82	0.15	1	08/17/10 13:10	08/23/10 11:10	EPA 3050B	1,6010B	MG
Copper, Total	7.5		mg/kg	0.41	0.05	1	08/17/10 13:10	08/23/10 11:10	EPA 3050B	1,6010B	MG
Iron, Total	7900		mg/kg	2.0	0.73	1	08/17/10 13:10	08/23/10 11:10	EPA 3050B	1,6010B	MG
Lead, Total	10		mg/kg	2.0	0.05	1	08/17/10 13:10	08/23/10 11:10	EPA 3050B	1,6010B	MG
Magnesium, Total	2000		mg/kg	4.1	0.48	1	08/17/10 13:10	08/23/10 11:10	EPA 3050B	1,6010B	MG
Manganese, Total	150		mg/kg	0.41	0.02	1	08/17/10 13:10	08/23/10 11:10	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/20/10 17:10	08/23/10 12:57	EPA 7471A	1,7471A	EZ
Nickel, Total	12		mg/kg	1.0	0.07	1	08/17/10 13:10	08/23/10 11:10	EPA 3050B	1,6010B	MG
Potassium, Total	660		mg/kg	100	36	1	08/17/10 13:10	08/23/10 11:10	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	0.82	0.12	1	08/17/10 13:10	08/23/10 11:10	EPA 3050B	1,6010B	MG
Silver, Total	0.24	J	mg/kg	0.41	0.03	1	08/17/10 13:10	08/23/10 11:10	EPA 3050B	1,6010B	MG
Sodium, Total	66	J	mg/kg	82	23	1	08/17/10 13:10	08/23/10 11:10	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.82	0.25	1	08/17/10 13:10	08/23/10 11:10	EPA 3050B	1,6010B	MG
Vanadium, Total	7.1		mg/kg	0.41	0.10	1	08/17/10 13:10	08/23/10 11:10	EPA 3050B	1,6010B	MG
Zinc, Total	18		mg/kg	2.0	0.07	1	08/17/10 13:10	08/23/10 11:10	EPA 3050B	1,6010B	MG



Project Name: SHL TASK 0002

Lab Number: L1012639

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012639-08

Date Collected: 08/12/10 08:20

Client ID: SP-10-11-025

Date Received: 08/16/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3200		mg/kg	4.4	1.3	1	08/17/10 13:10	08/23/10 11:27	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.2	0.19	1	08/17/10 13:10	08/23/10 11:27	EPA 3050B	1,6010B	MG
Arsenic, Total	7.8		mg/kg	0.44	0.09	1	08/17/10 13:10	08/23/10 11:27	EPA 3050B	1,6010B	MG
Barium, Total	7.2		mg/kg	0.44	0.05	1	08/17/10 13:10	08/23/10 11:27	EPA 3050B	1,6010B	MG
Beryllium, Total	0.25		mg/kg	0.22	0.01	1	08/17/10 13:10	08/23/10 11:27	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.44	0.04	1	08/17/10 13:10	08/23/10 11:27	EPA 3050B	1,6010B	MG
Calcium, Total	490		mg/kg	4.4	0.81	1	08/17/10 13:10	08/23/10 11:27	EPA 3050B	1,6010B	MG
Chromium, Total	10		mg/kg	0.44	0.05	1	08/17/10 13:10	08/23/10 11:27	EPA 3050B	1,6010B	MG
Cobalt, Total	2.1		mg/kg	0.89	0.16	1	08/17/10 13:10	08/23/10 11:27	EPA 3050B	1,6010B	MG
Copper, Total	5.7		mg/kg	0.44	0.05	1	08/17/10 13:10	08/23/10 11:27	EPA 3050B	1,6010B	MG
Iron, Total	6300		mg/kg	2.2	0.79	1	08/17/10 13:10	08/23/10 11:27	EPA 3050B	1,6010B	MG
Lead, Total	5.2		mg/kg	2.2	0.06	1	08/17/10 13:10	08/23/10 11:27	EPA 3050B	1,6010B	MG
Magnesium, Total	1800		mg/kg	4.4	0.52	1	08/17/10 13:10	08/23/10 11:27	EPA 3050B	1,6010B	MG
Manganese, Total	120		mg/kg	0.44	0.02	1	08/17/10 13:10	08/23/10 11:27	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/20/10 17:10	08/23/10 13:02	EPA 7471A	1,7471A	EZ
Nickel, Total	9.3		mg/kg	1.1	0.07	1	08/17/10 13:10	08/23/10 11:27	EPA 3050B	1,6010B	MG
Potassium, Total	400		mg/kg	110	39	1	08/17/10 13:10	08/23/10 11:27	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	0.89	0.12	1	08/17/10 13:10	08/23/10 11:27	EPA 3050B	1,6010B	MG
Silver, Total	0.063	J	mg/kg	0.44	0.03	1	08/17/10 13:10	08/23/10 11:27	EPA 3050B	1,6010B	MG
Sodium, Total	43	J	mg/kg	89	25	1	08/17/10 13:10	08/23/10 11:27	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.89	0.27	1	08/17/10 13:10	08/23/10 11:27	EPA 3050B	1,6010B	MG
Vanadium, Total	5.6		mg/kg	0.44	0.11	1	08/17/10 13:10	08/23/10 11:27	EPA 3050B	1,6010B	MG
Zinc, Total	12		mg/kg	2.2	0.07	1	08/17/10 13:10	08/23/10 11:27	EPA 3050B	1,6010B	MG

Project Name: SHL TASK 0002

Lab Number: L1012639

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012639-09

Date Collected: 08/12/10 08:22

Client ID: SP-10-11-033

Date Received: 08/16/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3000		mg/kg	5.0	1.5	1	08/17/10 13:10	08/23/10 11:31	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.5	0.22	1	08/17/10 13:10	08/23/10 11:31	EPA 3050B	1,6010B	MG
Arsenic, Total	9.7		mg/kg	0.50	0.10	1	08/17/10 13:10	08/23/10 11:31	EPA 3050B	1,6010B	MG
Barium, Total	11		mg/kg	0.50	0.06	1	08/17/10 13:10	08/23/10 11:31	EPA 3050B	1,6010B	MG
Beryllium, Total	0.31		mg/kg	0.25	0.02	1	08/17/10 13:10	08/23/10 11:31	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.50	0.04	1	08/17/10 13:10	08/23/10 11:31	EPA 3050B	1,6010B	MG
Calcium, Total	800		mg/kg	5.0	0.91	1	08/17/10 13:10	08/23/10 11:31	EPA 3050B	1,6010B	MG
Chromium, Total	5.1		mg/kg	0.50	0.06	1	08/17/10 13:10	08/23/10 11:31	EPA 3050B	1,6010B	MG
Cobalt, Total	1.8		mg/kg	1.0	0.18	1	08/17/10 13:10	08/23/10 11:31	EPA 3050B	1,6010B	MG
Copper, Total	4.7		mg/kg	0.50	0.06	1	08/17/10 13:10	08/23/10 11:31	EPA 3050B	1,6010B	MG
Iron, Total	5000		mg/kg	2.5	0.90	1	08/17/10 13:10	08/23/10 11:31	EPA 3050B	1,6010B	MG
Lead, Total	4.6		mg/kg	2.5	0.07	1	08/17/10 13:10	08/23/10 11:31	EPA 3050B	1,6010B	MG
Magnesium, Total	940		mg/kg	5.0	0.59	1	08/17/10 13:10	08/23/10 11:31	EPA 3050B	1,6010B	MG
Manganese, Total	120		mg/kg	0.50	0.02	1	08/17/10 13:10	08/23/10 11:31	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.09	0.02	1	08/20/10 17:10	08/23/10 13:04	EPA 7471A	1,7471A	EZ
Nickel, Total	6.9		mg/kg	1.3	0.08	1	08/17/10 13:10	08/23/10 11:31	EPA 3050B	1,6010B	MG
Potassium, Total	380		mg/kg	130	45	1	08/17/10 13:10	08/23/10 11:31	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	1.0	0.14	1	08/17/10 13:10	08/23/10 11:31	EPA 3050B	1,6010B	MG
Silver, Total	0.041	J	mg/kg	0.50	0.03	1	08/17/10 13:10	08/23/10 11:31	EPA 3050B	1,6010B	MG
Sodium, Total	44	J	mg/kg	100	28	1	08/17/10 13:10	08/23/10 11:31	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	1.0	0.30	1	08/17/10 13:10	08/23/10 11:31	EPA 3050B	1,6010B	MG
Vanadium, Total	4.7		mg/kg	0.50	0.13	1	08/17/10 13:10	08/23/10 11:31	EPA 3050B	1,6010B	MG
Zinc, Total	11		mg/kg	2.5	0.08	1	08/17/10 13:10	08/23/10 11:31	EPA 3050B	1,6010B	MG

Project Name: SHL TASK 0002

Lab Number: L1012639

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012639-10

Date Collected: 08/12/10 08:25

Client ID: SP-10-11-040

Date Received: 08/16/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3100		mg/kg	4.4	1.3	1	08/17/10 13:10	08/23/10 11:35	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.2	0.19	1	08/17/10 13:10	08/23/10 11:35	EPA 3050B	1,6010B	MG
Arsenic, Total	9.8		mg/kg	0.44	0.09	1	08/17/10 13:10	08/23/10 11:35	EPA 3050B	1,6010B	MG
Barium, Total	8.9		mg/kg	0.44	0.05	1	08/17/10 13:10	08/23/10 11:35	EPA 3050B	1,6010B	MG
Beryllium, Total	0.26		mg/kg	0.22	0.01	1	08/17/10 13:10	08/23/10 11:35	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.44	0.04	1	08/17/10 13:10	08/23/10 11:35	EPA 3050B	1,6010B	MG
Calcium, Total	410		mg/kg	4.4	0.80	1	08/17/10 13:10	08/23/10 11:35	EPA 3050B	1,6010B	MG
Chromium, Total	8.1		mg/kg	0.44	0.05	1	08/17/10 13:10	08/23/10 11:35	EPA 3050B	1,6010B	MG
Cobalt, Total	1.8		mg/kg	0.89	0.16	1	08/17/10 13:10	08/23/10 11:35	EPA 3050B	1,6010B	MG
Copper, Total	4.7		mg/kg	0.44	0.05	1	08/17/10 13:10	08/23/10 11:35	EPA 3050B	1,6010B	MG
Iron, Total	5600		mg/kg	2.2	0.79	1	08/17/10 13:10	08/23/10 11:35	EPA 3050B	1,6010B	MG
Lead, Total	4.9		mg/kg	2.2	0.06	1	08/17/10 13:10	08/23/10 11:35	EPA 3050B	1,6010B	MG
Magnesium, Total	1400		mg/kg	4.4	0.52	1	08/17/10 13:10	08/23/10 11:35	EPA 3050B	1,6010B	MG
Manganese, Total	100		mg/kg	0.44	0.02	1	08/17/10 13:10	08/23/10 11:35	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/20/10 17:10	08/23/10 13:06	EPA 7471A	1,7471A	EZ
Nickel, Total	7.8		mg/kg	1.1	0.07	1	08/17/10 13:10	08/23/10 11:35	EPA 3050B	1,6010B	MG
Potassium, Total	350		mg/kg	110	39.	1	08/17/10 13:10	08/23/10 11:35	EPA 3050B	1,6010B	MG
Selenium, Total	0.14	J	mg/kg	0.89	0.12	1	08/17/10 13:10	08/23/10 11:35	EPA 3050B	1,6010B	MG
Silver, Total	0.063	J	mg/kg	0.44	0.03	1	08/17/10 13:10	08/23/10 11:35	EPA 3050B	1,6010B	MG
Sodium, Total	57	J	mg/kg	89	24.	1	08/17/10 13:10	08/23/10 11:35	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.89	0.27	1	08/17/10 13:10	08/23/10 11:35	EPA 3050B	1,6010B	MG
Vanadium, Total	5.0		mg/kg	0.44	0.11	1	08/17/10 13:10	08/23/10 11:35	EPA 3050B	1,6010B	MG
Zinc, Total	10		mg/kg	2.2	0.07	1	08/17/10 13:10	08/23/10 11:35	EPA 3050B	1,6010B	MG

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012639

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012639-11

Client ID: SP-10-11-055

Sample Location: DEVENS, MA

Matrix: Soil

Percent Solids: 90%

Date Collected: 08/12/10 08:27

Date Received: 08/16/10

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3000		mg/kg	4.4	1.3	1	08/17/10 13:10	08/23/10 11:38	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.2	0.19	1	08/17/10 13:10	08/23/10 11:38	EPA 3050B	1,6010B	MG
Arsenic, Total	10		mg/kg	0.44	0.09	1	08/17/10 13:10	08/23/10 11:38	EPA 3050B	1,6010B	MG
Barium, Total	8.4		mg/kg	0.44	0.05	1	08/17/10 13:10	08/23/10 11:38	EPA 3050B	1,6010B	MG
Beryllium, Total	0.28		mg/kg	0.22	0.01	1	08/17/10 13:10	08/23/10 11:38	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.44	0.04	1	08/17/10 13:10	08/23/10 11:38	EPA 3050B	1,6010B	MG
Calcium, Total	520		mg/kg	4.4	0.81	1	08/17/10 13:10	08/23/10 11:38	EPA 3050B	1,6010B	MG
Chromium, Total	6.7		mg/kg	0.44	0.05	1	08/17/10 13:10	08/23/10 11:38	EPA 3050B	1,6010B	MG
Cobalt, Total	2.0		mg/kg	0.89	0.16	1	08/17/10 13:10	08/23/10 11:38	EPA 3050B	1,6010B	MG
Copper, Total	5.1		mg/kg	0.44	0.05	1	08/17/10 13:10	08/23/10 11:38	EPA 3050B	1,6010B	MG
Iron, Total	5200		mg/kg	2.2	0.79	1	08/17/10 13:10	08/23/10 11:38	EPA 3050B	1,6010B	MG
Lead, Total	4.3		mg/kg	2.2	0.06	1	08/17/10 13:10	08/23/10 11:38	EPA 3050B	1,6010B	MG
Magnesium, Total	1200		mg/kg	4.4	0.52	1	08/17/10 13:10	08/23/10 11:38	EPA 3050B	1,6010B	MG
Manganese, Total	62		mg/kg	0.44	0.02	1	08/17/10 13:10	08/23/10 11:38	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/20/10 17:10	08/23/10 13:07	EPA 7471A	1,7471A	EZ
Nickel, Total	7.7		mg/kg	1.1	0.07	1	08/17/10 13:10	08/23/10 11:38	EPA 3050B	1,6010B	MG
Potassium, Total	450		mg/kg	110	39	1	08/17/10 13:10	08/23/10 11:38	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	0.89	0.12	1	08/17/10 13:10	08/23/10 11:38	EPA 3050B	1,6010B	MG
Silver, Total	0.1	J	mg/kg	0.44	0.03	1	08/17/10 13:10	08/23/10 11:38	EPA 3050B	1,6010B	MG
Sodium, Total	59	J	mg/kg	89	25	1	08/17/10 13:10	08/23/10 11:38	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.89	0.27	1	08/17/10 13:10	08/23/10 11:38	EPA 3050B	1,6010B	MG
Vanadium, Total	5.0		mg/kg	0.44	0.11	1	08/17/10 13:10	08/23/10 11:38	EPA 3050B	1,6010B	MG
Zinc, Total	11		mg/kg	2.2	0.07	1	08/17/10 13:10	08/23/10 11:38	EPA 3050B	1,6010B	MG

Project Name: SHL TASK 0002

Lab Number: L1012639

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012639-12

Date Collected: 08/12/10 08:30

Client ID: SP-10-11-062

Date Received: 08/16/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	17000		mg/kg	4.2	1.2	1	08/17/10 13:10	08/23/10 11:42	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.1	0.18	1	08/17/10 13:10	08/23/10 11:42	EPA 3050B	1,6010B	MG
Arsenic, Total	9.4		mg/kg	0.42	0.08	1	08/17/10 13:10	08/23/10 11:42	EPA 3050B	1,6010B	MG
Barium, Total	58		mg/kg	0.42	0.05	1	08/17/10 13:10	08/23/10 11:42	EPA 3050B	1,6010B	MG
Beryllium, Total	1.8		mg/kg	0.21	0.01	1	08/17/10 13:10	08/23/10 11:42	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.42	0.03	1	08/17/10 13:10	08/23/10 11:42	EPA 3050B	1,6010B	MG
Calcium, Total	24000		mg/kg	4.2	0.75	1	08/17/10 13:10	08/23/10 11:42	EPA 3050B	1,6010B	MG
Chromium, Total	59		mg/kg	0.42	0.05	1	08/17/10 13:10	08/23/10 11:42	EPA 3050B	1,6010B	MG
Cobalt, Total	9.6		mg/kg	0.83	0.15	1	08/17/10 13:10	08/23/10 11:42	EPA 3050B	1,6010B	MG
Copper, Total	12		mg/kg	0.42	0.05	1	08/17/10 13:10	08/23/10 11:42	EPA 3050B	1,6010B	MG
Iron, Total	19000		mg/kg	2.1	0.74	1	08/17/10 13:10	08/23/10 11:42	EPA 3050B	1,6010B	MG
Lead, Total	13		mg/kg	2.1	0.05	1	08/17/10 13:10	08/23/10 11:42	EPA 3050B	1,6010B	MG
Magnesium, Total	11000		mg/kg	4.2	0.48	1	08/17/10 13:10	08/23/10 11:42	EPA 3050B	1,6010B	ML
Manganese, Total	440		mg/kg	0.42	0.02	1	08/17/10 13:10	08/23/10 11:42	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.07	0.02	1	08/20/10 17:10	08/23/10 13:09	EPA 7471A	1,7471A	EZ
Nickel, Total	45		mg/kg	1.0	0.07	1	08/17/10 13:10	08/23/10 11:42	EPA 3050B	1,6010B	MG
Potassium, Total	5600		mg/kg	100	37	1	08/17/10 13:10	08/23/10 11:42	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	1.7	0.23	2	08/17/10 13:10	08/23/10 14:46	EPA 3050B	1,6010B	MG
Silver, Total	6.4		mg/kg	0.42	0.03	1	08/17/10 13:10	08/23/10 11:42	EPA 3050B	1,6010B	MG
Sodium, Total	180		mg/kg	83	23	1	08/17/10 13:10	08/23/10 11:42	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.83	0.25	1	08/17/10 13:10	08/23/10 11:42	EPA 3050B	1,6010B	MG
Vanadium, Total	25		mg/kg	0.42	0.10	1	08/17/10 13:10	08/23/10 11:42	EPA 3050B	1,6010B	MG
Zinc, Total	48		mg/kg	2.1	0.07	1	08/17/10 13:10	08/23/10 11:42	EPA 3050B	1,6010B	MG

Project Name: SHL TASK 0002

Lab Number: L1012639

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012639-13

Date Collected: 08/12/10 08:15

Client ID: SDUP-081210

Date Received: 08/16/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 98%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4700		mg/kg	4.0	1.2	1	08/17/10 13:10	08/23/10 11:46	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.0	0.17	1	08/17/10 13:10	08/23/10 11:46	EPA 3050B	1,6010B	MG
Arsenic, Total	13		mg/kg	0.40	0.08	1	08/17/10 13:10	08/23/10 11:46	EPA 3050B	1,6010B	MG
Barium, Total	20		mg/kg	0.40	0.05	1	08/17/10 13:10	08/23/10 11:46	EPA 3050B	1,6010B	MG
Beryllium, Total	0.42		mg/kg	0.20	0.01	1	08/17/10 13:10	08/23/10 11:46	EPA 3050B	1,6010B	MG
Cadmium, Total	0.16	J	mg/kg	0.40	0.03	1	08/17/10 13:10	08/23/10 11:46	EPA 3050B	1,6010B	MG
Calcium, Total	580		mg/kg	4.0	0.72	1	08/17/10 13:10	08/23/10 11:46	EPA 3050B	1,6010B	MG
Chromium, Total	9.7		mg/kg	0.40	0.04	1	08/17/10 13:10	08/23/10 11:46	EPA 3050B	1,6010B	MG
Cobalt, Total	2.8		mg/kg	0.80	0.14	1	08/17/10 13:10	08/23/10 11:46	EPA 3050B	1,6010B	MG
Copper, Total	11		mg/kg	0.40	0.04	1	08/17/10 13:10	08/23/10 11:46	EPA 3050B	1,6010B	MG
Iron, Total	8400		mg/kg	2.0	0.71	1	08/17/10 13:10	08/23/10 11:46	EPA 3050B	1,6010B	MG
Lead, Total	17		mg/kg	2.0	0.05	1	08/17/10 13:10	08/23/10 11:46	EPA 3050B	1,6010B	MG
Magnesium, Total	1800		mg/kg	4.0	0.46	1	08/17/10 13:10	08/23/10 11:46	EPA 3050B	1,6010B	MG
Manganese, Total	88		mg/kg	0.40	0.02	1	08/17/10 13:10	08/23/10 11:46	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.07	0.01	1	08/20/10 17:10	08/23/10 13:11	EPA 7471A	1,7471A	EZ
Nickel, Total	12		mg/kg	1.0	0.06	1	08/17/10 13:10	08/23/10 11:46	EPA 3050B	1,6010B	MG
Potassium, Total	720		mg/kg	100	35	1	08/17/10 13:10	08/23/10 11:46	EPA 3050B	1,6010B	MG
Selenium, Total	0.33	J	mg/kg	0.80	0.11	1	08/17/10 13:10	08/23/10 11:46	EPA 3050B	1,6010B	MG
Silver, Total	0.3	J	mg/kg	0.40	0.02	1	08/17/10 13:10	08/23/10 11:46	EPA 3050B	1,6010B	MG
Sodium, Total	59	J	mg/kg	80	22	1	08/17/10 13:10	08/23/10 11:46	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.80	0.24	1	08/17/10 13:10	08/23/10 11:46	EPA 3050B	1,6010B	MG
Vanadium, Total	9.2		mg/kg	0.40	0.10	1	08/17/10 13:10	08/23/10 11:46	EPA 3050B	1,6010B	MG
Zinc, Total	22		mg/kg	2.0	0.06	1	08/17/10 13:10	08/23/10 11:46	EPA 3050B	1,6010B	MG



Project Name: SHL TASK 0002

Lab Number: L1012639

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012639-14
 Client ID: SDUP8-081210
 Sample Location: DEVENS, MA
 Matrix: Soil
 Percent Solids: 94%

Date Collected: 08/12/10 08:20
 Date Received: 08/16/10
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4300		mg/kg	4.2	1.2	1	08/17/10 13:10	08/23/10 11:50	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.1	0.18	1	08/17/10 13:10	08/23/10 11:50	EPA 3050B	1,6010B	MG
Arsenic, Total	8.0		mg/kg	0.42	0.08	1	08/17/10 13:10	08/23/10 11:50	EPA 3050B	1,6010B	MG
Barium, Total	8.6		mg/kg	0.42	0.05	1	08/17/10 13:10	08/23/10 11:50	EPA 3050B	1,6010B	MG
Beryllium, Total	0.35		mg/kg	0.21	0.01	1	08/17/10 13:10	08/23/10 11:50	EPA 3050B	1,6010B	MG
Cadmium, Total	0.17	J	mg/kg	0.42	0.03	1	08/17/10 13:10	08/23/10 11:50	EPA 3050B	1,6010B	MG
Calcium, Total	700		mg/kg	4.2	0.76	1	08/17/10 13:10	08/23/10 11:50	EPA 3050B	1,6010B	MG
Chromium, Total	22		mg/kg	0.42	0.05	1	08/17/10 13:10	08/23/10 11:50	EPA 3050B	1,6010B	MG
Cobalt, Total	2.9		mg/kg	0.84	0.15	1	08/17/10 13:10	08/23/10 11:50	EPA 3050B	1,6010B	MG
Copper, Total	6.2		mg/kg	0.42	0.05	1	08/17/10 13:10	08/23/10 11:50	EPA 3050B	1,6010B	MG
Iron, Total	7700		mg/kg	2.1	0.75	1	08/17/10 13:10	08/23/10 11:50	EPA 3050B	1,6010B	MG
Lead, Total	6.3		mg/kg	2.1	0.06	1	08/17/10 13:10	08/23/10 11:50	EPA 3050B	1,6010B	MG
Magnesium, Total	2500		mg/kg	4.2	0.49	1	08/17/10 13:10	08/23/10 11:50	EPA 3050B	1,6010B	ML
Manganese, Total	120		mg/kg	0.42	0.02	1	08/17/10 13:10	08/23/10 11:50	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.07	0.02	1	08/20/10 17:10	08/23/10 13:13	EPA 7471A	1,7471A	EZ
Nickel, Total	12		mg/kg	1.0	0.07	1	08/17/10 13:10	08/23/10 11:50	EPA 3050B	1,6010B	MG
Potassium, Total	490		mg/kg	100	37	1	08/17/10 13:10	08/23/10 11:50	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	0.84	0.12	1	08/17/10 13:10	08/23/10 11:50	EPA 3050B	1,6010B	MG
Silver, Total	0.67		mg/kg	0.42	0.03	1	08/17/10 13:10	08/23/10 11:50	EPA 3050B	1,6010B	MG
Sodium, Total	24	J	mg/kg	84	23	1	08/17/10 13:10	08/23/10 11:50	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.84	0.25	1	08/17/10 13:10	08/23/10 11:50	EPA 3050B	1,6010B	MG
Vanadium, Total	8.2		mg/kg	0.42	0.10	1	08/17/10 13:10	08/23/10 11:50	EPA 3050B	1,6010B	MG
Zinc, Total	14		mg/kg	2.1	0.07	1	08/17/10 13:10	08/23/10 11:50	EPA 3050B	1,6010B	MG



Project Name: SHL TASK 0002

Lab Number: L1012639

Project Number: AC001

Report Date: 08/31/10

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-14 Batch: WG428048-1										
Aluminum, Total	ND		mg/kg	4.0	1.2	1	08/17/10 13:10	08/23/10 09:12	1,6010B	MG
Antimony, Total	ND		mg/kg	2.0	0.17	1	08/17/10 13:10	08/23/10 09:12	1,6010B	MG
Arsenic, Total	ND		mg/kg	0.40	0.08	1	08/17/10 13:10	08/23/10 09:12	1,6010B	MG
Barium, Total	ND		mg/kg	0.40	0.05	1	08/17/10 13:10	08/23/10 09:12	1,6010B	MG
Beryllium, Total	ND		mg/kg	0.20	0.01	1	08/17/10 13:10	08/23/10 09:12	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	08/17/10 13:10	08/23/10 09:12	1,6010B	MG
Calcium, Total	0.9	J	mg/kg	4.0	0.72	1	08/17/10 13:10	08/23/10 09:12	1,6010B	MG
Chromium, Total	0.068	J	mg/kg	0.40	0.04	1	08/17/10 13:10	08/23/10 09:12	1,6010B	MG
Cobalt, Total	ND		mg/kg	0.80	0.14	1	08/17/10 13:10	08/23/10 09:12	1,6010B	MG
Copper, Total	ND		mg/kg	0.40	0.04	1	08/17/10 13:10	08/23/10 09:12	1,6010B	MG
Iron, Total	1.1	J	mg/kg	2.0	0.71	1	08/17/10 13:10	08/23/10 09:12	1,6010B	MG
Lead, Total	ND		mg/kg	2.0	0.05	1	08/17/10 13:10	08/23/10 09:12	1,6010B	MG
Magnesium, Total	ND		mg/kg	4.0	0.46	1	08/17/10 13:10	08/23/10 09:12	1,6010B	MG
Manganese, Total	ND		mg/kg	0.40	0.02	1	08/17/10 13:10	08/23/10 09:12	1,6010B	MG
Nickel, Total	ND		mg/kg	1.0	0.06	1	08/17/10 13:10	08/23/10 09:12	1,6010B	MG
Potassium, Total	ND		mg/kg	100	35	1	08/17/10 13:10	08/23/10 09:12	1,6010B	MG
Selenium, Total	ND		mg/kg	0.80	0.11	1	08/17/10 13:10	08/23/10 09:12	1,6010B	MG
Silver, Total	ND		mg/kg	0.40	0.02	1	08/17/10 13:10	08/23/10 09:12	1,6010B	MG
Sodium, Total	ND		mg/kg	80	22	1	08/17/10 13:10	08/23/10 09:12	1,6010B	MG
Thallium, Total	ND		mg/kg	0.80	0.24	1	08/17/10 13:10	08/23/10 09:12	1,6010B	MG
Vanadium, Total	ND		mg/kg	0.40	0.10	1	08/17/10 13:10	08/23/10 09:12	1,6010B	MG
Zinc, Total	ND		mg/kg	2.0	0.06	1	08/17/10 13:10	08/23/10 09:12	1,6010B	MG

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-14 Batch: WG428689-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/20/10 17:10	08/23/10 12:35	1,7471A	EZ



Project Name: SHL TASK 0002

Lab Number: L1012639

Project Number: AC001

Report Date: 08/31/10

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471A



Lab Control Sample Analysis Batch Quality Control

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012639

Report Date: 08/31/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-14 Batch: WG428048-2								
Aluminum, Total	95		-		80-120	-		
Antimony, Total	95		-		80-120	-		
Arsenic, Total	104		-		80-120	-		
Barium, Total	95		-		80-120	-		
Beryllium, Total	100		-		80-120	-		
Cadmium, Total	103		-		80-120	-		
Calcium, Total	92		-		80-120	-		
Chromium, Total	98		-		80-120	-		
Cobalt, Total	100		-		80-120	-		
Copper, Total	98		-		80-120	-		
Iron, Total	108		-		80-120	-		
Lead, Total	98		-		80-120	-		
Magnesium, Total	95		-		80-120	-		
Manganese, Total	95		-		80-120	-		
Nickel, Total	95		-		80-120	-		
Potassium, Total	90		-		80-120	-		
Selenium, Total	100		-		80-120	-		
Silver, Total	108		-		75-120	-		
Sodium, Total	100		-		80-120	-		
Thallium, Total	96		-		80-120	-		
Vanadium, Total	100		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012639

Report Date: 08/31/10

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-14 Batch: WG428048-2					
Zinc, Total	95	-	80-120	-	
Total Metals - Westborough Lab Associated sample(s): 01-14 Batch: WG428689-2					
Mercury, Total	107	-	80-120	-	20

Matrix Spike Analysis Batch Quality Control

Project Name: SHL TASK 0002

Lab Number: L1012639

Project Number: AC001

Report Date: 08/31/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-14 QC Batch ID: WG428048-3 WG428048-4 QC Sample: L1012639-06 Client ID: SP-10-11-020												
Aluminum, Total	5400	80.7	4800	0		4600	0		80-120	4		20
Antimony, Total	ND	20.2	11	54	Q	11	54	Q	80-120	0		20
Arsenic, Total	11	4.84	16	103		15	82		80-120	6		20
Barium, Total	38	80.7	92	67	Q	91	66	Q	80-120	1		20
Beryllium, Total	0.44	2.02	2.4	97		2.4	97		80-120	0		20
Cadmium, Total	2.1	2.06	6.4	209	Q	4.1	97		80-120	44	Q	20
Calcium, Total	680	403	1000	79	Q	930	62	Q	80-120	7		20
Chromium, Total	12	8.07	20	99		18	74	Q	80-120	11		20
Cobalt, Total	2.7	20.2	22	96		21	90		80-120	5		20
Copper, Total	13	10.1	23	99		20	69	Q	80-120	14		20
Iron, Total	9200	40.3	8600	0		7800	0		80-120	10		20
Lead, Total	16	20.6	38	107		33	82		80-120	14		20
Magnesium, Total	2600	403	2200	0		2200	0		80-120	0		20
Manganese, Total	110	20.2	150	198		110	0		80-120	31	Q	20
Nickel, Total	12	20.2	30	89		29	84		80-120	3		20
Potassium, Total	680	403	1100	104		1000	79	Q	80-120	10		20
Selenium, Total	ND	4.84	5.0	103		4.8	99		80-120	4		20
Silver, Total	0.84	12.1	14	109		13	100		75-120	7		20
Sodium, Total	ND	403	520	129	Q	490	121	Q	80-120	6		20
Thallium, Total	ND	4.84	4.2	87		4.0	82		80-120	5		20
Vanadium, Total	9.4	20.2	27	87		27	87		80-120	0		20

Matrix Spike Analysis Batch Quality Control

Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012639
Report Date: 08/31/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-14 QC Batch ID: WG428048-3 WG428048-4 QC Sample: L1012639-06 Client ID: SP-10-11-020									
Zinc, Total	25	20.2	47	109	40	74	Q 80-120	16	20
Total Metals - Westborough Lab Associated sample(s): 01-14 QC Batch ID: WG428689-3 WG428689-4 QC Sample: L1012639-06 Client ID: SP-10-11-020									
Mercury, Total	ND	0.156	0.17	109	0.18	109	80-120	6	20

INORGANICS & MISCELLANEOUS

Project Name: SHL TASK 0002

Lab Number: L1012639

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012639-01

Date Collected: 08/12/10 08:00

Client ID: SP-10-11-003

Date Received: 08/16/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	0.055		%	0.010	0.010	1	-	08/24/10 14:51	1,9060	ES
Total Organic Carbon (Rep2)	0.065		%	0.010	0.010	1	-	08/24/10 14:51	1,9060	ES
General Chemistry - Westborough Lab										
Solids, Total	92		%	0.10	NA	1	-	08/17/10 20:00	30,2540G	TL



Project Name: SHL TASK 0002**Lab Number:** L1012639**Project Number:** AC001**Report Date:** 08/31/10**SAMPLE RESULTS****Lab ID:** L1012639-02**Date Collected:** 08/12/10 08:02**Client ID:** SP-10-11-005**Date Received:** 08/16/10**Sample Location:** DEVENS, MA**Field Prep:** Not Specified**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	0.450		%	0.010	0.010	1	-	08/24/10 14:51	1,9060	ES
Total Organic Carbon (Rep2)	0.618		%	0.010	0.010	1	-	08/24/10 14:51	1,9060	ES
General Chemistry - Westborough Lab										
Solids, Total	94		%	0.10	NA	1	-	08/17/10 20:00	30,2540G	TL

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012639

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012639-03

Client ID: SP-10-11-007

Sample Location: DEVENS, MA

Matrix: Soil

Date Collected: 08/12/10 08:05

Date Received: 08/16/10

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	0.904		%	0.010	0.010	1	-	08/24/10 14:51	1,9060	ES
Total Organic Carbon (Rep2)	0.805		%	0.010	0.010	1	-	08/24/10 14:51	1,9060	ES
General Chemistry - Westborough Lab										
Solids, Total	88		%	0.10	NA	1	-	08/17/10 20:00	30,2540G	TL

Project Name: SHL TASK 0002

Lab Number: L1012639

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012639-04

Date Collected: 08/12/10 08:07

Client ID: SP-10-11-012

Date Received: 08/16/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	0.469		%	0.010	0.010	1	-	08/24/10 14:51	1,9060	ES
Total Organic Carbon (Rep2)	0.397		%	0.010	0.010	1	-	08/24/10 14:51	1,9060	ES
General Chemistry - Westborough Lab										
Solids, Total	96		%	0.10	NA	1	-	08/17/10 20:00	30,2540G	TL

Page 3



Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012639

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012639-05

Client ID: SP-10-11-015

Sample Location: DEVENS, MA

Matrix: Soil

Date Collected: 08/12/10 08:10

Date Received: 08/16/10

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	1.20		%	0.010	0.010	1	-	08/24/10 14:51	1,9060	ES
Total Organic Carbon (Rep2)	1.12		%	0.010	0.010	1	-	08/24/10 14:51	1,9060	ES
General Chemistry - Westborough Lab										
Solids, Total	95		%	0.10	NA	1	-	08/17/10 20:00	30,2540G	TL



Project Name: SHL TASK 0002

Lab Number: L1012639

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012639-06

Date Collected: 08/12/10 08:15

Client ID: SP-10-11-020

Date Received: 08/16/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	1.52		%	0.010	0.010	1	-	08/24/10 14:51	1,9060	ES
Total Organic Carbon (Rep2)	1.55		%	0.010	0.010	1	-	08/24/10 14:51	1,9060	ES
General Chemistry - Westborough Lab										
Solids, Total	99		%	0.10	NA	1	-	08/17/10 20:00	30,2540G	TL



Project Name: SHL TASK 0002

Lab Number: L1012639

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012639-07

Date Collected: 08/12/10 08:18

Client ID: SP-10-11-023

Date Received: 08/16/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	0.030		%	0.010	0.010	1	-	08/24/10 14:51	1,9060	ES
Total Organic Carbon (Rep2)	0.043		%	0.010	0.010	1	-	08/24/10 14:51	1,9060	ES
General Chemistry - Westborough Lab										
Solids, Total	95		%	0.10	NA	1	-	08/17/10 20:00	30,2540G	TL

Project Name: SHL TASK 0002

Lab Number: L1012639

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012639-08

Date Collected: 08/12/10 08:20

Client ID: SP-10-11-025

Date Received: 08/16/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	0.025		%	0.010	0.010	1	-	08/24/10 14:51	1,9060	ES
Total Organic Carbon (Rep2)	0.025		%	0.010	0.010	1	-	08/24/10 14:51	1,9060	ES
General Chemistry - Westborough Lab										
Solids, Total	89		%	0.10	NA	1	-	08/17/10 20:00	30,2540G	TL

Project Name: SHL TASK 0002

Lab Number: L1012639

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012639-09

Date Collected: 08/12/10 08:22

Client ID: SP-10-11-033

Date Received: 08/16/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	ND		%	0.010	0.010	1	-	08/24/10 14:51	1,9060	ES
Total Organic Carbon (Rep2)	ND		%	0.010	0.010	1	-	08/24/10 14:51	1,9060	ES
General Chemistry - Westborough Lab										
Solids, Total	79		%	0.10	NA	1	-	08/17/10 20:00	30,2540G	TL



Project Name: SHL TASK 0002

Lab Number: L1012639

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012639-10

Date Collected: 08/12/10 08:25

Client ID: SP-10-11-040

Date Received: 08/16/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	0.036		%	0.010	0.010	1	-	08/24/10 14:51	1,9060	ES
Total Organic Carbon (Rep2)	0.036		%	0.010	0.010	1	-	08/24/10 14:51	1,9060	ES
General Chemistry - Westborough Lab										
Solids, Total	90		%	0.10	NA	1	-	08/17/10 20:00	30,2540G	TL

Project Name: SHL TASK 0002

Lab Number: L1012639

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012639-11

Date Collected: 08/12/10 08:27

Client ID: SP-10-11-055

Date Received: 08/16/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	ND		%	0.010	0.010	1	-	08/24/10 14:51	1,9060	ES
Total Organic Carbon (Rep2)	0.014		%	0.010	0.010	1	-	08/24/10 14:51	1,9060	ES
General Chemistry - Westborough Lab										
Solids, Total	90		%	0.10	NA	1	-	08/17/10 20:00	30,2540G	TL

Project Name: SHL TASK 0002

Lab Number: L1012639

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012639-12

Date Collected: 08/12/10 08:30

Client ID: SP-10-11-062

Date Received: 08/16/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	0.017		%	0.010	0.010	1	-	08/24/10 14:51	1,9060	ES
Total Organic Carbon (Rep2)	0.018		%	0.010	0.010	1	-	08/24/10 14:51	1,9060	ES
General Chemistry - Westborough Lab										
Solids, Total	96		%	0.10	NA	1	-	08/17/10 20:00	30,2540G	TL

Project Name: SHL TASK 0002**Lab Number:** L1012639**Project Number:** AC001**Report Date:** 08/31/10**SAMPLE RESULTS****Lab ID:** L1012639-13**Date Collected:** 08/12/10 08:15**Client ID:** SDUP-081210**Date Received:** 08/16/10**Sample Location:** DEVENS, MA**Field Prep:** Not Specified**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry:- Westborough Lab										
Solids, Total	98		%	0.10	NA	1	-	08/17/10 20:00	30,2540G	TL

Project Name: SHL TASK 0002

Lab Number: L1012639

Project Number: AC001

Report Date: 08/31/10

SAMPLE RESULTS

Lab ID: L1012639-14

Date Collected: 08/12/10 08:20

Client ID: SDUP8-081210

Date Received: 08/16/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94		%	0.10	NA	1	-	08/17/10 20:00	30,2540G	TL

Project Name: SHL TASK 0002

Lab Number: L1012639

Project Number: AC001

Report Date: 08/31/10

Method Blank Analysis
Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab for sample(s): 01-12 Batch: WG428038-1									
Total Organic Carbon (Rep1)	ND	%	0.010	0.010	1	-	08/24/10 14:51	1,9060	ES
Total Organic Carbon (Rep2)	ND	%	0.010	0.010	1	-	08/24/10 14:51	1,9060	ES



Matrix Spike Analysis Batch Quality Control

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012639

Report Date: 08/31/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Organic Carbon - Mansfield Lab Associated sample(s): 01-12 QC Batch ID: WG428038-4 QC Sample: L1012639-06 Client ID: SP-10-11-020												
Total Organic Carbon (Rep1)	1.52	0.903	3.17	183	Q	-	-		75-125	-		25
Total Organic Carbon (Rep2)	1.55	1.225	2.56	85		-	-		75-125	-		25

Project Name: SHL TASK 0002

Project Number: AC001

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L1012639

Report Date: 08/31/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Organic Carbon - Mansfield Lab Associated sample(s): 01-12 QC Batch ID: WG428038-3 QC Sample: L1012639-06 Client ID: SP-10-11-020						
Total Organic Carbon (Rep1)	1.52	1.39	%	9		25
Total Organic Carbon (Rep2)	1.55	1.21	%	25		25
General Chemistry - Westborough Lab Associated sample(s): 01-14 QC Batch ID: WG428096-1 QC Sample: L1012639-01 Client ID: SP-10-11-003						
Solids, Total	92	93	%	1		20

Project Name: SHL TASK 0002

Lab Number: L1012639

Project Number: AC001

Report Date: 08/31/10

S.R.M. Standard Quality Control

Standard Reference Material (SRM): WG428038-2

Parameter	% Recovery	Qual	QC Criteria
Total Organic Carbon (Rep1)	101		75-125
Total Organic Carbon (Rep2)	117		75-125

Project Name: SHL TASK 0002

Lab Number: L1012639

Project Number: AC001

Report Date: 08/31/10

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

A Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012639-01A	Amber 250ml unpreserved	A	N/A	5	Y	Absent	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012639-01X	Amber 100ml unpreserved split	A	N/A	5	Y	Absent	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days



Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012639

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012639-02A	Amber 250ml unpreserved	A	N/A	5	Y	Absent	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012639-02X	Amber 100ml unpreserved split	A	N/A	5	Y	Absent	A2-TOC-9060-2REPS(28)
L1012639-03A	Amber 250ml unpreserved	A	N/A	5	Y	Absent	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012639-03X	Amber 100ml unpreserved split	A	N/A	5	Y	Absent	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012639

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012639-04A	Amber 250ml unpreserved	A	N/A	5	Y	Absent	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012639-04X	Amber 100ml unpreserved split	A	N/A	5	Y	Absent	A2-TOC-9060-2REPS(28)
L1012639-05A	Amber 250ml unpreserved	A	N/A	5	Y	Absent	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012639-05X	Amber 100ml unpreserved split	A	N/A	5	Y	Absent	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012639

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012639-06A	Amber 250ml unpreserved	A	N/A	5	Y	Absent	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012639-06B	Amber 250ml unpreserved	A	N/A	5	Y	Absent	A2-TOC-9060-2REPS(28)
L1012639-07A	Amber 250ml unpreserved	A	N/A	5	Y	Absent	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012639-07X	Amber 100ml unpreserved split	A	N/A	5	Y	Absent	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days



Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012639

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012639-08A	Amber 250ml unpreserved	A	N/A	5	Y	Absent	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012639-08X	Amber 100ml unpreserved split	A	N/A	5	Y	Absent	A2-TOC-9060-2REPS(28)
L1012639-09A	Amber 250ml unpreserved	A	N/A	5	Y	Absent	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012639-09X	Amber 100ml unpreserved split	A	N/A	5	Y	Absent	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Lab Number: L1012639

Project Number: AC001

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012639-10A	Amber 250ml unpreserved	A	N/A	5	Y	Absent	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012639-10X	Amber 100ml unpreserved split	A	N/A	5	Y	Absent	A2-TOC-9060-2REPS(28)
L1012639-11A	Amber 250ml unpreserved	A	N/A	5	Y	Absent	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)
L1012639-11X	Amber 100ml unpreserved split	A	N/A	5	Y	Absent	A2-TOC-9060-2REPS(28)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012639

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012639-12A	Amber 250ml unpreserved	A	N/A	5	Y	Absent	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BF-6010T(180),DOD-CR-6010T(180)
L1012639-12X	Amber 100ml unpreserved split	A	N/A	5	Y	Absent	A2-TOC-9060-2REPS(28)
L1012639-13A	Amber 250ml unpreserved	A	N/A	5	Y	Absent	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Lab Number: L1012639

Project Number: AC001

Report Date: 08/31/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012639-14A	Amber 250ml unpreserved	A	N/A	5	Y	Absent	DOD-AS-6010T(180),DOD-CA-6010T(180),DOD-FE-6010T(180),DOD-MG-6010T(180),DOD-AG-6010T(180),DOD-K-6010T(180),DOD-BA-6010T(180),DOD-CU-6010T(180),DOD-CD-6010T(180),DOD-HG-7471(28),DOD-NA-6010T(180),DOD-TL-6010T(180),TS(7),DOD-SE-6010T(180),DOD-MN-6010T(180),DOD-NI-6010T(180),DOD-PB-6010T(180),DOD-SB-6010T(180),DOD-AL-6010T(180),DOD-CO-6010T(180),DOD-V-6010T(180),DOD-ZN-6010T(180),DOD-BE-6010T(180),DOD-CR-6010T(180)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Lab Number: L1012639

Project Number: AC001

Report Date: 08/31/10

GLOSSARY

Acronyms

- EPA - Environmental Protection Agency.
- LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
- LCS D - 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.
- MS D - Matrix Spike Sample Duplicate: Refer to MS.
- NA - Not Applicable.
- NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
- NI - Not Ignitable.
- RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
- RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1.8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

- A - Spectra identified as "Aldol Condensation Product".
- B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
- D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
- P - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R - Analytical results are from sample re-analysis.

Report Format: DU Report with "J" Qualifiers



Project Name: SHL TASK 0002

Lab Number: L1012639

Project Number: AC001

Report Date: 08/31/10

Data Qualifiers

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL). This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample.

Report Format: DU Report with "J" Qualifiers



Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012639
Report Date: 08/31/10

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

The analyses performed on the sample(s) within this report are in accordance with the minimum established guidelines set forth in the Department of Defense Quality Systems Manual, Version 4.1, issued April 22, 2009

LIMITATION OF LIABILITIES

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

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

Certificate/Approval Program Summary

Last revised July 19, 2010 - Westboro Facility

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

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

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

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

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. **Organic Parameters:** PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3,3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.

Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500CI-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. **Organic Parameters:** 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500CI-D, 4500CI-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. **Organic Parameters:** 608, 624, ME DRO, ME GRO, MA EPH, MA VPH.)

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

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.**Drinking Water**

Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)

(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)

353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, 2320B, SM2540C, SM4500H-B.

Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)

(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.

Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D

Non-Potable Water

Inorganic Parameters: (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)

(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)

245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)

(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colifert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO₃-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. *Organic Parameters:* 504.1, 524.2, SM6251B.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH₃-H, 4500NH₃-E, 4500NO₂-B, 4500P-E, 4500-S₂-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. *Organic Parameters:* SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. *Organic Parameters:* SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO₃-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. *Organic Parameters:* 504.1, SM6251B, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500CI-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO₃-F, 4500NO₂-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH₃-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. *Organic Parameters:* SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. *Organic Parameters:* SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO₃-F, 2540C, EPA 120.1, SM 2510B. *Organic Parameters:* EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500CI-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH₃-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO₃-F, 4500-NO₂-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. *Organic Parameters:* EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)

Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. *Organic Parameters:* EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

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

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. NELAP Accredited.

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

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. *Organic Parameters:* 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. NELAP Accredited via NY-DOH.

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Texas Commission on Environmental Quality Certificate/Lab ID: T104704476-09-1. NELAP Accredited.

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

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

Department of Defense Certificate/Lab ID: L2217.

Drinking Water (Inorganic Parameters: SM 4500H-B. *Organic Parameters:* EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 120.1, 9050A, 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO₄-E, 426C, 4500NH₃-B, 4500NH₃-H, 4500NO₃-F, 4500NO₂-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S₂-AD, 3005A, 3015, 9010B, 9030B. *Organic Parameters:* EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, *Organic Parameters:* EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035, MassDEP EPH, MassDEP VPH.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methyl naphthalenes, Total Dimethyl naphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

Certificate/Approval Program Summary

Last revised July 19, 2010 – Mansfield Facility

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

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: SM2320B, EPA 120.1, SM2510B, EPA 245.1, EPA 150.1, EPA 160.2, SM2540D, EPA 335.2, SM2540G, EPA 180.1. Organic Parameters: EPA 625, 608.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045, 9014. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: EPA 120.1, 150.1, 160.2, 180.1, 200.8, 245.1, 310.1, 335.2, 608, 625, 1631, 3010, 3015, 3020, 6020, 9010, 9014, 9040, SM2320B, 2510B, 2540D, 2540G, 4500CN-E, 4500H-B, Organic Parameters: EPA 3510, 3580, 3630, 3640, 3660, 3665, 5030, 8015 (mod), 3570, 8081, 8082, 8260, 8270,)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7196, 7470, 7471, 7474, 9010, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015 (mod), EPA 3570, 1311, 3050, 3051, 3060, 3580, 3630, 3640, 3660, 3665, 5035, 8081, 8082, 8260, 8270.)

Biological Tissue (Inorganic Parameters: EPA 6020. Organic Parameters: EPA 3570, 3510, 3610, 3630, 3640, 8270.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA030.

Non-Potable Water (Inorganic Parameters: SM4500H+B. Organic Parameters: EPA 624.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: EPA 200.8, 245.1, 1631E, 120.1, 150.1, 180.1, 310.1, 335.2, 160.2, SM2540D, 2540G, 4500CN-E, 4500H+B, 2320B, 2510B. Organic Parameters: EPA 625, 608.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, 3015, 6020, SM2320B, EPA 200.8, SM2540C, 2540D, 2540G, EPA 120.1, SM2510B, EPA 180.1, 245.1, 1631E, SW-846 9040B, 6020, 9010B, 9014 Organic Parameters: EPA 608, 625, SW-846 3510C, 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 9010B, 9014, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 9045C, 9060. Organic Parameters: SW-846 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 3570, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610B, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. NELAP Accredited.

Non-Potable Water (Inorganic Parameters: EPA 310.1, SM2320B, EPA 365.2, 160.1, EPA 160.2, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 335.2, 9014, 150.1, 9040B, 120.1, SM2510B, EPA 376.2, 180.1, 9010B. Organic Parameters: EPA 624, 8260B, 8270C, 608, 8081A, 625, 8082, 3510C, 3511, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, SW-846 Ch7 Sec 7.3, EPA 6020, 7196A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 3050B, 3580, 3050B, 3035, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. NELAP Accredited via LA-DEQ.

Refer to MA-DEP Certificate for Non-Potable Water.

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. NELAP Accredited.

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8260, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

U.S. Army Corps of Engineers

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

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 3051, 6020, 747A, 7474, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580, 3570, 3540C, 5035, 8260B, 8270C, 8270 Alk-PAH, 8082, 8081A, 8015 (SHC), 8015 (DRO).

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **8270C: Biphenyl.**



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

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

CHAIN OF CUSTODY

PAGE 1 OF 2

Project Information

Project Name: SHL Task 0002

Project Location: Devens, MA

Project #: AC001

Project Manager: Phil McBain

ALPHA Quote #:

Turn-Around Time

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

Date Due: 8/23/10 Time:

Date Rec'd in Lab: 8/16/10

ALPHA Job #: 12639

Report Information - Data Deliverables

☐ FAX ☒ EMAIL: EDR
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State / Fed Program Criteria: See QAPP

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?

Client Information

Client: Sovereign Consulting Inc

Address: 905B S. main st

Mansfield, MA 02048

Phone: 508-339-3200

Fax: 508-339-3245

Email: pmbain@sovercon.com

☐ These samples have been previously analyzed by Alpha

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)

SDG # = 32 - closed

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS										SAMPLE HANDLING		TOTAL # BOTTLES
		Date	Time															
12639	SP-10-11-003	8/12/10	0800	S	WJW	✓	✓											1
2	SP-10-11-005	8/12/10	0802	S	WJW	✓	✓											1
3	SP-10-11-007	8/12/10	0805	S	WJW	✓	✓											1
4	SP-10-11-012	8/12/10	0807	S	WJW	✓	✓											1
5	SP-10-11-015	8/12/10	0810	S	WJW	✓	✓											1
6	SP-10-11-020	8/12/10	0815	S	WJW	✓	✓									MS/MSD		2
7	SP-10-11-023	8/14/10	0818	S	WJW	✓	✓											1
8	SP-10-11-025	8/14/10	0820	S	WJW	✓	✓											1
9	SP-10-11-033	8/14/10	0822	S	WJW	✓	✓											1
10	SP-10-11-040	8/14/10	0825	S	WJW	✓	✓											1

PLEASE ANSWER QUESTIONS ABOVE!

Container Type A A

Preservative A A

IS YOUR PROJECT
MA MCP or CT RCP?

Relinquished By: [Signature]

Date/Time: 8/16/10 1600

Received By: [Signature]

Date/Time: 8/16/10 1600

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.



ANALYTICAL REPORT

Lab Number: L1012679

Client: Sovereign Consulting
905B South Main Street
Mansfield, MA 02048

ATTN: Phil McBain

Phone: (508) 339-3200

Project Name: SHL TASK 0002

Project Number: AC001

Report Date: 08/30/10

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

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



Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012679
Report Date: 08/30/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1012679-01	GP-10-14-079-F	DEVENS, MA	08/17/10 07:45
L1012679-02	GP-10-14-079-U	DEVENS, MA	08/17/10 07:45
L1012679-03	GP-10-16-024-F	DEVENS, MA	08/17/10 16:15
L1012679-04	GP-10-16-024-U	DEVENS, MA	08/17/10 16:15
L1012679-05	DUP-081710-F	DEVENS, MA	08/17/10 16:15
L1012679-06	DUP-081710-U	DEVENS, MA	08/17/10 16:15
L1012679-07	RB-081710-U	DEVENS, MA	08/17/10 11:45

Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012679
Report Date: 08/30/10

Case Narrative

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

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

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

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

Report Submission

Testing performed for the reported analyses followed the guidelines established under the DoD QSM 4.1, where applicable.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

The Dissolved Inorganic Carbon results have been issued under separate cover.

Sample Receipt

The samples were Field Filtered for Dissolved Metals only.

Dissolved Metals

L1012679-01 has elevated detection limits for all analytes, except Mercury, due to the dilutions required by the

Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012679
Report Date: 08/30/10

Case Narrative (continued)

high concentrations of target analytes. The requested reporting limits were not achieved.

The WG428341-1 Method Blank, associated with L1012679-01, -03 and -05, has a concentration greater than one half the reporting limit for Aluminum. Sample L1012679-01 is non-detect for Aluminum; therefore, no qualification of the results was performed. The results for samples L1012679-03 and -05 are qualified with a "B".

The WG428341-3/-4 MS/MSD recoveries for Arsenic (0%/667%), Iron (0%/290%) and Manganese (72%/124%), performed on L1012679-01, are invalid because the sample concentrations are greater than four times the spike amount added.

The WG428708-3/-4 MS/MSD recoveries, performed on L1012679-01, are above the acceptance criteria for Mercury (123%/125%); however, the associated LCS recovery is within criteria. A post-digestion spike was performed with an acceptable recovery of 116%.

Total Metals

L1012679-02, -04 and -06 have elevated detection limits for all analytes, except Mercury, due to the dilutions required by the high concentrations of target analytes. The requested reporting limits were not achieved.

The WG428339-1 Method Blank, associated with L1012679-02, -04, -06 and -07, has a concentration greater than one half the reporting limit for Aluminum. The results for samples L1012679-02, -04 and -06 are greater than 10x the blank concentration; therefore, no qualification of the results was performed. The result for sample L1012679-07 is qualified with a "B".

The WG428339-3/-4 MS/MSD recoveries for Aluminum (MS at 126%), Arsenic (333%/0%), Iron (280%/0%) and Manganese (132%/38%), performed on L1012679-02, are invalid because the sample concentrations are greater than four times the spike amount added.

Dissolved Organic Carbon

A Filter Blank was analyzed and had a result of 0.27 mg/l (ND).

Nitrogen, Nitrate

L1012679-03 has an elevated detection limit due to the dilution required to quantitate the result within the

Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012679
Report Date: 08/30/10

Case Narrative (continued)

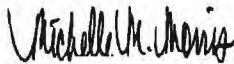
calibration range.

Solids, Total Suspended

L1012679-04 has an elevated detection limit due to the dilution required by the elevated concentration present in the sample.

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

Authorized Signature:

 Michelle M. Morris

Title: Technical Director/Representative

Date: 08/30/10

METALS

Project Name: SHL TASK 0002

Lab Number: L1012679

Project Number: AC001

Report Date: 08/30/10

SAMPLE RESULTS

Lab ID: L1012679-01
 Client ID: GP-10-14-079-F
 Sample Location: DEVENS, MA
 Matrix: Water

Date Collected: 08/17/10 07:45
 Date Received: 08/17/10
 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											
Aluminum, Dissolved	ND		ug/l	100	19.1	10	08/18/10 21:00	08/24/10 02:54	EPA 3005A	1,6020A	BM
Antimony, Dissolved	ND		ug/l	5.00	1.20	10	08/18/10 21:00	08/24/10 02:54	EPA 3005A	1,6020A	BM
Arsenic, Dissolved	15100		ug/l	5.00	1.13	10	08/18/10 21:00	08/24/10 02:54	EPA 3005A	1,6020A	BM
Barium, Dissolved	22.6		ug/l	5.00	0.950	10	08/18/10 21:00	08/24/10 02:54	EPA 3005A	1,6020A	BM
Beryllium, Dissolved	ND		ug/l	5.00	0.590	10	08/18/10 21:00	08/24/10 02:54	EPA 3005A	1,6020A	BM
Cadmium, Dissolved	ND		ug/l	5.00	0.590	10	08/18/10 21:00	08/24/10 02:54	EPA 3005A	1,6020A	BM
Calcium, Dissolved	30500		ug/l	1000	126	10	08/18/10 21:00	08/24/10 02:54	EPA 3005A	1,6020A	BM
Chromium, Dissolved	ND		ug/l	5.00	1.86	10	08/18/10 21:00	08/24/10 02:54	EPA 3005A	1,6020A	BM
Cobalt, Dissolved	8.83		ug/l	5.00	0.530	10	08/18/10 21:00	08/24/10 02:54	EPA 3005A	1,6020A	BM
Copper, Dissolved	ND		ug/l	5.00	1.18	10	08/18/10 21:00	08/24/10 02:54	EPA 3005A	1,6020A	BM
Iron, Dissolved	71800		ug/l	500	84.1	10	08/18/10 21:00	08/24/10 02:54	EPA 3005A	1,6020A	BM
Lead, Dissolved	0.59	J	ug/l	5.00	0.500	10	08/18/10 21:00	08/24/10 02:54	EPA 3005A	1,6020A	BM
Magnesium, Dissolved	3390		ug/l	1000	41.0	10	08/18/10 21:00	08/24/10 02:54	EPA 3005A	1,6020A	BM
Manganese, Dissolved	5540		ug/l	10.0	1.36	10	08/18/10 21:00	08/24/10 02:54	EPA 3005A	1,6020A	BM
Mercury, Dissolved	0.05669	J	ug/l	0.2000	0.0120	1	08/20/10 18:30	08/23/10 13:56	EPA 7470A	1,7470A	EZ
Nickel, Dissolved	14.0		ug/l	5.00	1.80	10	08/18/10 21:00	08/24/10 02:54	EPA 3005A	1,6020A	BM
Potassium, Dissolved	3780		ug/l	1000	182	10	08/18/10 21:00	08/24/10 02:54	EPA 3005A	1,6020A	BM
Selenium, Dissolved	ND		ug/l	10.0	4.06	10	08/18/10 21:00	08/24/10 02:54	EPA 3005A	1,6020A	BM
Silver, Dissolved	ND		ug/l	5.00	0.850	10	08/18/10 21:00	08/24/10 02:54	EPA 3005A	1,6020A	BM
Sodium, Dissolved	5720		ug/l	1000	182	10	08/18/10 21:00	08/24/10 02:54	EPA 3005A	1,6020A	BM
Thallium, Dissolved	ND		ug/l	5.00	0.310	10	08/18/10 21:00	08/24/10 02:54	EPA 3005A	1,6020A	BM
Vanadium, Dissolved	ND		ug/l	5.00	0.770	10	08/18/10 21:00	08/24/10 02:54	EPA 3005A	1,6020A	BM
Zinc, Dissolved	40.2	J	ug/l	50.0	16.2	10	08/18/10 21:00	08/24/10 02:54	EPA 3005A	1,6020A	BM



Project Name: SHL TASK 0002

Lab Number: L1012679

Project Number: AC001

Report Date: 08/30/10

SAMPLE RESULTS

Lab ID: L1012679-02
 Client ID: GP-10-14-079-U
 Sample Location: DEVENS, MA
 Matrix: Water

Date Collected: 08/17/10 07:45
 Date Received: 08/17/10
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8270		ug/l	100	19.1	10	08/18/10 21:00	08/24/10 03:36	EPA 3005A	1,6020A	BM
Antimony, Total	1.73	J	ug/l	5.00	1.20	10	08/18/10 21:00	08/24/10 03:36	EPA 3005A	1,6020A	BM
Arsenic, Total	17300		ug/l	5.00	1.13	10	08/18/10 21:00	08/24/10 03:36	EPA 3005A	1,6020A	BM
Barium, Total	58.4		ug/l	5.00	0.950	10	08/18/10 21:00	08/24/10 03:36	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		ug/l	5.00	0.590	10	08/18/10 21:00	08/24/10 03:36	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		ug/l	5.00	0.590	10	08/18/10 21:00	08/24/10 03:36	EPA 3005A	1,6020A	BM
Calcium, Total	29900		ug/l	1000	126.	10	08/18/10 21:00	08/24/10 03:36	EPA 3005A	1,6020A	BM
Chromium, Total	20.9		ug/l	5.00	1.86	10	08/18/10 21:00	08/24/10 03:36	EPA 3005A	1,6020A	BM
Cobalt, Total	14.2		ug/l	5.00	0.530	10	08/18/10 21:00	08/24/10 03:36	EPA 3005A	1,6020A	BM
Copper, Total	24.0		ug/l	5.00	1.18	10	08/18/10 21:00	08/24/10 03:36	EPA 3005A	1,6020A	BM
Iron, Total	80300		ug/l	500	84.1	10	08/18/10 21:00	08/24/10 03:36	EPA 3005A	1,6020A	BM
Lead, Total	10.3		ug/l	5.00	0.500	10	08/18/10 21:00	08/24/10 03:36	EPA 3005A	1,6020A	BM
Magnesium, Total	5100		ug/l	1000	41.0	10	08/18/10 21:00	08/24/10 03:36	EPA 3005A	1,6020A	BM
Manganese, Total	5850		ug/l	10.0	1.36	10	08/18/10 21:00	08/24/10 03:36	EPA 3005A	1,6020A	BM
Mercury, Total	ND		ug/l	0.2000	0.0120	1	08/23/10 18:45	08/24/10 12:21	EPA 7470A	1,7470A	EZ
Nickel, Total	27.6		ug/l	5.00	1.80	10	08/18/10 21:00	08/24/10 03:36	EPA 3005A	1,6020A	BM
Potassium, Total	5480		ug/l	1000	182.	10	08/18/10 21:00	08/24/10 03:36	EPA 3005A	1,6020A	BM
Selenium, Total	ND		ug/l	10.0	4.06	10	08/18/10 21:00	08/24/10 03:36	EPA 3005A	1,6020A	BM
Silver, Total	ND		ug/l	5.00	0.850	10	08/18/10 21:00	08/24/10 03:36	EPA 3005A	1,6020A	BM
Sodium, Total	6270		ug/l	1000	182.	10	08/18/10 21:00	08/24/10 03:36	EPA 3005A	1,6020A	BM
Thallium, Total	ND		ug/l	5.00	0.310	10	08/18/10 21:00	08/24/10 03:36	EPA 3005A	1,6020A	BM
Vanadium, Total	10.1		ug/l	5.00	0.770	10	08/18/10 21:00	08/24/10 03:36	EPA 3005A	1,6020A	BM
Zinc, Total	73.2		ug/l	50.0	16.2	10	08/18/10 21:00	08/24/10 03:36	EPA 3005A	1,6020A	BM

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012679

Report Date: 08/30/10

SAMPLE RESULTS

Lab ID: L1012679-03
 Client ID: GP-10-16-024-F
 Sample Location: DEVENS, MA
 Matrix: Water

Date Collected: 08/17/10 16:15
 Date Received: 08/17/10
 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											
Aluminum, Dissolved	7.68	JB	ug/l	10.0	1.91	1	08/18/10 21:00	08/24/10 03:18	EPA 3005A	1,6020A	BM
Antimony, Dissolved	0.26	J	ug/l	0.500	0.120	1	08/18/10 21:00	08/24/10 03:18	EPA 3005A	1,6020A	BM
Arsenic, Dissolved	4.81		ug/l	0.500	0.113	1	08/18/10 21:00	08/24/10 03:18	EPA 3005A	1,6020A	BM
Barium, Dissolved	5.73		ug/l	0.500	0.095	1	08/18/10 21:00	08/24/10 03:18	EPA 3005A	1,6020A	BM
Beryllium, Dissolved	ND		ug/l	0.500	0.059	1	08/18/10 21:00	08/24/10 03:18	EPA 3005A	1,6020A	BM
Cadmium, Dissolved	ND		ug/l	0.500	0.059	1	08/18/10 21:00	08/24/10 03:18	EPA 3005A	1,6020A	BM
Calcium, Dissolved	14500		ug/l	100	12.6	1	08/18/10 21:00	08/24/10 03:18	EPA 3005A	1,6020A	BM
Chromium, Dissolved	0.22	J	ug/l	0.500	0.186	1	08/18/10 21:00	08/24/10 03:18	EPA 3005A	1,6020A	BM
Cobalt, Dissolved	3.85		ug/l	0.500	0.053	1	08/18/10 21:00	08/24/10 03:18	EPA 3005A	1,6020A	BM
Copper, Dissolved	0.25	J	ug/l	0.500	0.118	1	08/18/10 21:00	08/24/10 03:18	EPA 3005A	1,6020A	BM
Iron, Dissolved	323		ug/l	50.0	8.41	1	08/18/10 21:00	08/24/10 03:18	EPA 3005A	1,6020A	BM
Lead, Dissolved	ND		ug/l	0.500	0.050	1	08/18/10 21:00	08/24/10 03:18	EPA 3005A	1,6020A	BM
Magnesium, Dissolved	1170		ug/l	100	4.10	1	08/18/10 21:00	08/24/10 03:18	EPA 3005A	1,6020A	BM
Manganese, Dissolved	182		ug/l	1.00	0.136	1	08/18/10 21:00	08/24/10 03:18	EPA 3005A	1,6020A	BM
Mercury, Dissolved	0.1034	J	ug/l	0.2000	0.0120	1	08/20/10 18:30	08/23/10 14:02	EPA 7470A	1,7470A	EZ
Nickel, Dissolved	4.82		ug/l	0.500	0.180	1	08/18/10 21:00	08/24/10 03:18	EPA 3005A	1,6020A	BM
Potassium, Dissolved	2520		ug/l	100	18.2	1	08/18/10 21:00	08/24/10 03:18	EPA 3005A	1,6020A	BM
Selenium, Dissolved	ND		ug/l	1.00	0.406	1	08/18/10 21:00	08/24/10 03:18	EPA 3005A	1,6020A	BM
Silver, Dissolved	ND		ug/l	0.500	0.085	1	08/18/10 21:00	08/24/10 03:18	EPA 3005A	1,6020A	BM
Sodium, Dissolved	2960		ug/l	100	18.2	1	08/18/10 21:00	08/24/10 03:18	EPA 3005A	1,6020A	BM
Thallium, Dissolved	0.04	J	ug/l	0.500	0.031	1	08/18/10 21:00	08/24/10 03:18	EPA 3005A	1,6020A	BM
Vanadium, Dissolved	0.13	J	ug/l	0.500	0.077	1	08/18/10 21:00	08/24/10 03:18	EPA 3005A	1,6020A	BM
Zinc, Dissolved	3.53	J	ug/l	5.00	1.62	1	08/18/10 21:00	08/24/10 03:18	EPA 3005A	1,6020A	BM



Project Name: SHL TASK 0002

Lab Number: L1012679

Project Number: AC001

Report Date: 08/30/10

SAMPLE RESULTS

Lab ID: L1012679-04

Date Collected: 08/17/10 16:15

Client ID: GP-10-16-024-U

Date Received: 08/17/10

Sample Location: DEVENS, MA

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	41800		ug/l	40.0	7.64	4	08/18/10 21:00	08/24/10 04:12	EPA 3005A	1,6020A	BM
Antimony, Total	2.92		ug/l	2.00	0.480	4	08/18/10 21:00	08/24/10 04:12	EPA 3005A	1,6020A	BM
Arsenic, Total	170		ug/l	2.00	0.452	4	08/18/10 21:00	08/24/10 04:12	EPA 3005A	1,6020A	BM
Barium, Total	249		ug/l	2.00	0.380	4	08/18/10 21:00	08/24/10 04:12	EPA 3005A	1,6020A	BM
Beryllium, Total	2.53		ug/l	2.00	0.236	4	08/18/10 21:00	08/24/10 04:12	EPA 3005A	1,6020A	BM
Cadmium, Total	0.67	J	ug/l	2.00	0.236	4	08/18/10 21:00	08/24/10 04:12	EPA 3005A	1,6020A	BM
Calcium, Total	30600		ug/l	400	50.6	4	08/18/10 21:00	08/24/10 04:12	EPA 3005A	1,6020A	BM
Chromium, Total	106		ug/l	2.00	0.744	4	08/18/10 21:00	08/24/10 04:12	EPA 3005A	1,6020A	BM
Cobalt, Total	71.0		ug/l	2.00	0.212	4	08/18/10 21:00	08/24/10 04:12	EPA 3005A	1,6020A	BM
Copper, Total	83.8		ug/l	2.00	0.472	4	08/18/10 21:00	08/24/10 04:12	EPA 3005A	1,6020A	BM
Iron, Total	56700		ug/l	200	33.6	4	08/18/10 21:00	08/24/10 04:12	EPA 3005A	1,6020A	BM
Lead, Total	40.7		ug/l	2.00	0.200	4	08/18/10 21:00	08/24/10 04:12	EPA 3005A	1,6020A	BM
Magnesium, Total	10700		ug/l	400	16.4	4	08/18/10 21:00	08/24/10 04:12	EPA 3005A	1,6020A	BM
Manganese, Total	2500		ug/l	4.00	0.544	4	08/18/10 21:00	08/24/10 04:12	EPA 3005A	1,6020A	BM
Mercury, Total	0.04641	J	ug/l	0.2000	0.0120	1	08/23/10 18:45	08/24/10 12:27	EPA 7470A	1,7470A	EZ
Nickel, Total	130		ug/l	2.00	0.720	4	08/18/10 21:00	08/24/10 04:12	EPA 3005A	1,6020A	BM
Potassium, Total	8990		ug/l	400	72.6	4	08/18/10 21:00	08/24/10 04:12	EPA 3005A	1,6020A	BM
Selenium, Total	3.17	J	ug/l	4.00	1.62	4	08/18/10 21:00	08/24/10 04:12	EPA 3005A	1,6020A	BM
Silver, Total	0.38	J	ug/l	2.00	0.340	4	08/18/10 21:00	08/24/10 04:12	EPA 3005A	1,6020A	BM
Sodium, Total	4950		ug/l	400	72.8	4	08/18/10 21:00	08/24/10 04:12	EPA 3005A	1,6020A	BM
Thallium, Total	0.64	J	ug/l	2.00	0.124	4	08/18/10 21:00	08/24/10 04:12	EPA 3005A	1,6020A	BM
Vanadium, Total	46.6		ug/l	2.00	0.308	4	08/18/10 21:00	08/24/10 04:12	EPA 3005A	1,6020A	BM
Zinc, Total	157		ug/l	20.0	6.50	4	08/18/10 21:00	08/24/10 04:12	EPA 3005A	1,6020A	BM

Project Name: SHL TASK 0002

Lab Number: L1012679

Project Number: AC001

Report Date: 08/30/10

SAMPLE RESULTS

Lab ID: L1012679-05
 Client ID: DUP-081710-F
 Sample Location: DEVENS, MA
 Matrix: Water

Date Collected: 08/17/10 16:15
 Date Received: 08/17/10
 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											
Aluminum, Dissolved	11.8	B	ug/l	10.0	1.91	1	08/18/10 21:00	08/24/10 03:24	EPA 3005A	1,6020A	BM
Antimony, Dissolved	0.2	J	ug/l	0.500	0.120	1	08/18/10 21:00	08/24/10 03:24	EPA 3005A	1,6020A	BM
Arsenic, Dissolved	3.87		ug/l	0.500	0.113	1	08/18/10 21:00	08/24/10 03:24	EPA 3005A	1,6020A	BM
Barium, Dissolved	5.99		ug/l	0.500	0.095	1	08/18/10 21:00	08/24/10 03:24	EPA 3005A	1,6020A	BM
Beryllium, Dissolved	ND		ug/l	0.500	0.059	1	08/18/10 21:00	08/24/10 03:24	EPA 3005A	1,6020A	BM
Cadmium, Dissolved	ND		ug/l	0.500	0.059	1	08/18/10 21:00	08/24/10 03:24	EPA 3005A	1,6020A	BM
Calcium, Dissolved	15900		ug/l	100	12.6	1	08/18/10 21:00	08/24/10 03:24	EPA 3005A	1,6020A	BM
Chromium, Dissolved	0.38	J	ug/l	0.500	0.186	1	08/18/10 21:00	08/24/10 03:24	EPA 3005A	1,6020A	BM
Cobalt, Dissolved	4.22		ug/l	0.500	0.053	1	08/18/10 21:00	08/24/10 03:24	EPA 3005A	1,6020A	BM
Copper, Dissolved	0.37	J	ug/l	0.500	0.118	1	08/18/10 21:00	08/24/10 03:24	EPA 3005A	1,6020A	BM
Iron, Dissolved	349		ug/l	50.0	8.41	1	08/18/10 21:00	08/24/10 03:24	EPA 3005A	1,6020A	BM
Lead, Dissolved	ND		ug/l	0.500	0.050	1	08/18/10 21:00	08/24/10 03:24	EPA 3005A	1,6020A	BM
Magnesium, Dissolved	1290		ug/l	100	4.10	1	08/18/10 21:00	08/24/10 03:24	EPA 3005A	1,6020A	BM
Manganese, Dissolved	197		ug/l	1.00	0.136	1	08/18/10 21:00	08/24/10 03:24	EPA 3005A	1,6020A	BM
Mercury, Dissolved	0.1319	J	ug/l	0.2000	0.0120	1	08/20/10 18:30	08/23/10 14:03	EPA 7470A	1,7470A	EZ
Nickel, Dissolved	5.22		ug/l	0.500	0.180	1	08/18/10 21:00	08/24/10 03:24	EPA 3005A	1,6020A	BM
Potassium, Dissolved	2700		ug/l	100	18.2	1	08/18/10 21:00	08/24/10 03:24	EPA 3005A	1,6020A	BM
Selenium, Dissolved	ND		ug/l	1.00	0.406	1	08/18/10 21:00	08/24/10 03:24	EPA 3005A	1,6020A	BM
Silver, Dissolved	ND		ug/l	0.500	0.085	1	08/18/10 21:00	08/24/10 03:24	EPA 3005A	1,6020A	BM
Sodium, Dissolved	3060		ug/l	100	18.2	1	08/18/10 21:00	08/24/10 03:24	EPA 3005A	1,6020A	BM
Thallium, Dissolved	ND		ug/l	0.500	0.031	1	08/18/10 21:00	08/24/10 03:24	EPA 3005A	1,6020A	BM
Vanadium, Dissolved	0.14	J	ug/l	0.500	0.077	1	08/18/10 21:00	08/24/10 03:24	EPA 3005A	1,6020A	BM
Zinc, Dissolved	3.36	J	ug/l	5.00	1.62	1	08/18/10 21:00	08/24/10 03:24	EPA 3005A	1,6020A	BM

Project Name: SHL TASK 0002

Lab Number: L1012679

Project Number: AC001

Report Date: 08/30/10

SAMPLE RESULTS

Lab ID: L1012679-06
 Client ID: DUP-081710-U
 Sample Location: DEVENS, MA
 Matrix: Water

Date Collected: 08/17/10 16:15
 Date Received: 08/17/10
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	44600		ug/l	40.0	7.64	4	08/18/10 21:00	08/24/10 04:18	EPA 3005A	1,6020A	BM
Antimony, Total	2.88		ug/l	2.00	0.480	4	08/18/10 21:00	08/24/10 04:18	EPA 3005A	1,6020A	BM
Arsenic, Total	164		ug/l	2.00	0.452	4	08/18/10 21:00	08/24/10 04:18	EPA 3005A	1,6020A	BM
Barium, Total	255		ug/l	2.00	0.380	4	08/18/10 21:00	08/24/10 04:18	EPA 3005A	1,6020A	BM
Beryllium, Total	2.55		ug/l	2.00	0.236	4	08/18/10 21:00	08/24/10 04:18	EPA 3005A	1,6020A	BM
Cadmium, Total	0.66	J	ug/l	2.00	0.236	4	08/18/10 21:00	08/24/10 04:18	EPA 3005A	1,6020A	BM
Calcium, Total	30600		ug/l	400	50.6	4	08/18/10 21:00	08/24/10 04:18	EPA 3005A	1,6020A	BM
Chromium, Total	113		ug/l	2.00	0.744	4	08/18/10 21:00	08/24/10 04:18	EPA 3005A	1,6020A	BM
Cobalt, Total	73.2		ug/l	2.00	0.212	4	08/18/10 21:00	08/24/10 04:18	EPA 3005A	1,6020A	BM
Copper, Total	87.2		ug/l	2.00	0.472	4	08/18/10 21:00	08/24/10 04:18	EPA 3005A	1,6020A	BM
Iron, Total	59500		ug/l	200	33.6	4	08/18/10 21:00	08/24/10 04:18	EPA 3005A	1,6020A	BM
Lead, Total	41.2		ug/l	2.00	0.200	4	08/18/10 21:00	08/24/10 04:18	EPA 3005A	1,6020A	BM
Magnesium, Total	11700		ug/l	400	16.4	4	08/18/10 21:00	08/24/10 04:18	EPA 3005A	1,6020A	BM
Manganese, Total	2650		ug/l	4.00	0.544	4	08/18/10 21:00	08/24/10 04:18	EPA 3005A	1,6020A	BM
Mercury, Total	0.06234	J	ug/l	0.2000	0.0120	1	08/23/10 18:45	08/24/10 12:28	EPA 7470A	1,7470A	EZ
Nickel, Total	136		ug/l	2.00	0.720	4	08/18/10 21:00	08/24/10 04:18	EPA 3005A	1,6020A	BM
Potassium, Total	9420		ug/l	400	72.6	4	08/18/10 21:00	08/24/10 04:18	EPA 3005A	1,6020A	BM
Selenium, Total	2.9	J	ug/l	4.00	1.62	4	08/18/10 21:00	08/24/10 04:18	EPA 3005A	1,6020A	BM
Silver, Total	ND		ug/l	2.00	0.340	4	08/18/10 21:00	08/24/10 04:18	EPA 3005A	1,6020A	BM
Sodium, Total	4880		ug/l	400	72.8	4	08/18/10 21:00	08/24/10 04:18	EPA 3005A	1,6020A	BM
Thallium, Total	0.61	J	ug/l	2.00	0.124	4	08/18/10 21:00	08/24/10 04:18	EPA 3005A	1,6020A	BM
Vanadium, Total	50.2		ug/l	2.00	0.308	4	08/18/10 21:00	08/24/10 04:18	EPA 3005A	1,6020A	BM
Zinc, Total	160		ug/l	20.0	6.50	4	08/18/10 21:00	08/24/10 04:18	EPA 3005A	1,6020A	BM



Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012679

Report Date: 08/30/10

SAMPLE RESULTS

Lab ID: L1012679-07

Client ID: RB-081710-U

Sample Location: DEVENS, MA

Matrix: Water

Date Collected: 08/17/10 11:45

Date Received: 08/17/10

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4.62	JB	ug/l	10.0	1.91	1	08/18/10 21:00	08/24/10 04:24	EPA 3005A	1,6020A	BM
Antimony, Total	ND		ug/l	0.500	0.120	1	08/18/10 21:00	08/24/10 04:24	EPA 3005A	1,6020A	BM
Arsenic, Total	0.830		ug/l	0.500	0.113	1	08/18/10 21:00	08/24/10 04:24	EPA 3005A	1,6020A	BM
Barium, Total	ND		ug/l	0.500	0.095	1	08/18/10 21:00	08/24/10 04:24	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		ug/l	0.500	0.059	1	08/18/10 21:00	08/24/10 04:24	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		ug/l	0.500	0.059	1	08/18/10 21:00	08/24/10 04:24	EPA 3005A	1,6020A	BM
Calcium, Total	76.3	J	ug/l	100	12.6	1	08/18/10 21:00	08/24/10 04:24	EPA 3005A	1,6020A	BM
Chromium, Total	0.19	J	ug/l	0.500	0.186	1	08/18/10 21:00	08/24/10 04:24	EPA 3005A	1,6020A	BM
Cobalt, Total	ND		ug/l	0.500	0.053	1	08/18/10 21:00	08/24/10 04:24	EPA 3005A	1,6020A	BM
Copper, Total	0.39	J	ug/l	0.500	0.118	1	08/18/10 21:00	08/24/10 04:24	EPA 3005A	1,6020A	BM
Iron, Total	11.6	J	ug/l	50.0	8.41	1	08/18/10 21:00	08/24/10 04:24	EPA 3005A	1,6020A	BM
Lead, Total	ND		ug/l	0.500	0.050	1	08/18/10 21:00	08/24/10 04:24	EPA 3005A	1,6020A	BM
Magnesium, Total	4.39	J	ug/l	100	4.10	1	08/18/10 21:00	08/24/10 04:24	EPA 3005A	1,6020A	BM
Manganese, Total	0.32	J	ug/l	1.00	0.136	1	08/18/10 21:00	08/24/10 04:24	EPA 3005A	1,6020A	BM
Mercury, Total	0.0882	J	ug/l	0.2000	0.0120	1	08/23/10 18:45	08/24/10 12:30	EPA 7470A	1,7470A	EZ
Nickel, Total	ND		ug/l	0.500	0.180	1	08/18/10 21:00	08/24/10 04:24	EPA 3005A	1,6020A	BM
Potassium, Total	ND		ug/l	100	18.2	1	08/18/10 21:00	08/24/10 04:24	EPA 3005A	1,6020A	BM
Selenium, Total	ND		ug/l	1.00	0.406	1	08/18/10 21:00	08/24/10 04:24	EPA 3005A	1,6020A	BM
Silver, Total	ND		ug/l	0.500	0.085	1	08/18/10 21:00	08/24/10 04:24	EPA 3005A	1,6020A	BM
Sodium, Total	35.2	J	ug/l	100	18.2	1	08/18/10 21:00	08/24/10 04:24	EPA 3005A	1,6020A	BM
Thallium, Total	ND		ug/l	0.500	0.031	1	08/18/10 21:00	08/24/10 04:24	EPA 3005A	1,6020A	BM
Vanadium, Total	ND		ug/l	0.500	0.077	1	08/18/10 21:00	08/24/10 04:24	EPA 3005A	1,6020A	BM
Zinc, Total	2.18	J	ug/l	5.00	1.62	1	08/18/10 21:00	08/24/10 04:24	EPA 3005A	1,6020A	BM



Project Name: SHL TASK 0002

Lab Number: L1012679

Project Number: AC001

Report Date: 08/30/10

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 02,04,06-07 Batch: WG428339-1										
Aluminum, Total	6.6	J	ug/l	10.0	1.91	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Antimony, Total	ND		ug/l	0.500	0.120	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Arsenic, Total	ND		ug/l	0.500	0.113	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Barium, Total	ND		ug/l	0.500	0.095	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Beryllium, Total	ND		ug/l	0.500	0.059	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Cadmium, Total	ND		ug/l	0.500	0.059	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Calcium, Total	43.7	J	ug/l	100	12.6	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Chromium, Total	ND		ug/l	0.500	0.186	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Cobalt, Total	ND		ug/l	0.500	0.053	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Copper, Total	ND		ug/l	0.500	0.118	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Iron, Total	12.4	J	ug/l	50.0	8.41	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Lead, Total	ND		ug/l	0.500	0.050	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Magnesium, Total	ND		ug/l	100	4.10	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Manganese, Total	ND		ug/l	1.00	0.136	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Nickel, Total	ND		ug/l	0.500	0.180	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Potassium, Total	ND		ug/l	100	18.2	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Selenium, Total	ND		ug/l	1.00	0.406	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Silver, Total	ND		ug/l	0.500	0.085	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Sodium, Total	ND		ug/l	100	18.2	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Thallium, Total	ND		ug/l	0.500	0.031	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Vanadium, Total	ND		ug/l	0.500	0.077	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Zinc, Total	2.47	J	ug/l	5.00	1.62	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01,03,05 Batch: WG428341-1										
Aluminum, Dissolved	6.6	J	ug/l	10.0	1.91	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Antimony, Dissolved	ND		ug/l	0.500	0.120	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Arsenic, Dissolved	ND		ug/l	0.500	0.113	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Barium, Dissolved	ND		ug/l	0.500	0.095	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM

Project Name: SHL TASK 0002

Lab Number: L1012679

Project Number: AC001

Report Date: 08/30/10

Method Blank Analysis Batch Quality Control

Beryllium, Dissolved	ND		ug/l	0.500	0.059	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Cadmium, Dissolved	ND		ug/l	0.500	0.059	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Calcium, Dissolved	43.7	J	ug/l	100	12.6	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Chromium, Dissolved	ND		ug/l	0.500	0.186	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Cobalt, Dissolved	ND		ug/l	0.500	0.053	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Copper, Dissolved	ND		ug/l	0.500	0.118	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Iron, Dissolved	12.4	J	ug/l	50.0	8.41	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Lead, Dissolved	ND		ug/l	0.500	0.050	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Magnesium, Dissolved	ND		ug/l	100	4.10	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Manganese, Dissolved	ND		ug/l	1.00	0.136	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Nickel, Dissolved	ND		ug/l	0.500	0.180	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Potassium, Dissolved	ND		ug/l	100	18.2	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Selenium, Dissolved	ND		ug/l	1.00	0.406	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Silver, Dissolved	ND		ug/l	0.500	0.085	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Sodium, Dissolved	ND		ug/l	100	18.2	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Thallium, Dissolved	ND		ug/l	0.500	0.031	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Vanadium, Dissolved	ND		ug/l	0.500	0.077	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM
Zinc, Dissolved	2.47	J	ug/l	5.00	1.62	1	08/18/10 21:00	08/24/10 00:03	1,6020A	BM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01,03,05 Batch: WG428708-1										
Mercury, Dissolved	0.05098	J	ug/l	0.2000	0.0120	1	08/20/10 18:30	08/23/10 13:53	1,7470A	EZ

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 02,04,06-07 Batch: WG429013-1										
Mercury, Total	ND		ug/l	0.2000	0.0120	1	08/23/10 18:45	08/24/10 12:18	1,7470A	EZ

Project Name: SHL TASK 0002

Lab Number: L1012679

Project Number: AC001

Report Date: 08/30/10

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7470A



Lab Control Sample Analysis

Batch Quality Control

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012679

Report Date: 08/30/10

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06-07 Batch: WG428339-2								
Aluminum, Total	96	-	-	-	80-120	-	-	-
Antimony, Total	104	-	-	-	80-120	-	-	-
Arsenic, Total	103	-	-	-	80-120	-	-	-
Barium, Total	105	-	-	-	80-120	-	-	-
Beryllium, Total	103	-	-	-	80-120	-	-	-
Cadmium, Total	114	-	-	-	80-120	-	-	-
Calcium, Total	111	-	-	-	80-120	-	-	-
Chromium, Total	100	-	-	-	80-120	-	-	-
Cobalt, Total	107	-	-	-	80-120	-	-	-
Copper, Total	105	-	-	-	80-120	-	-	-
Iron, Total	110	-	-	-	80-120	-	-	-
Lead, Total	105	-	-	-	80-120	-	-	-
Magnesium, Total	102	-	-	-	80-120	-	-	-
Manganese, Total	105	-	-	-	80-120	-	-	-
Nickel, Total	105	-	-	-	80-120	-	-	-
Potassium, Total	105	-	-	-	80-120	-	-	-
Selenium, Total	107	-	-	-	80-120	-	-	-
Silver, Total	101	-	-	-	80-120	-	-	-
Sodium, Total	111	-	-	-	80-120	-	-	-
Thallium, Total	98	-	-	-	80-120	-	-	-
Vanadium, Total	105	-	-	-	80-120	-	-	-

Lab Control Sample Analysis

Batch Quality Control

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012679

Report Date: 08/30/10

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06-07 Batch: WG428339-2					
Zinc, Total	105	-	80-120	-	

Lab Control Sample Analysis Batch Quality Control

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012679

Report Date: 08/30/10

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01,03,05 Batch: WG428341-2					
Aluminum, Dissolved	96	-	80-120	-	
Antimony, Dissolved	104	-	80-120	-	
Arsenic, Dissolved	103	-	80-120	-	
Barium, Dissolved	105	-	80-120	-	
Beryllium, Dissolved	103	-	80-120	-	
Cadmium, Dissolved	114	-	80-120	-	
Calcium, Dissolved	111	-	80-120	-	
Chromium, Dissolved	100	-	80-120	-	
Cobalt, Dissolved	107	-	80-120	-	
Copper, Dissolved	105	-	80-120	-	
Iron, Dissolved	110	-	80-120	-	
Lead, Dissolved	105	-	80-120	-	
Magnesium, Dissolved	102	-	80-120	-	
Manganese, Dissolved	105	-	80-120	-	
Nickel, Dissolved	105	-	80-120	-	
Potassium, Dissolved	105	-	80-120	-	
Selenium, Dissolved	107	-	80-120	-	
Silver, Dissolved	101	-	80-120	-	
Sodium, Dissolved	111	-	80-120	-	
Thallium, Dissolved	98	-	80-120	-	
Vanadium, Dissolved	105	-	80-120	-	

Lab Control Sample Analysis Batch Quality Control

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012679

Report Date: 08/30/10

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01,03,05 Batch: WG428341-2					
Zinc, Dissolved	105	-	80-120	-	
Dissolved Metals - Westborough Lab Associated sample(s): 01,03,05 Batch: WG428708-2					
Mercury, Dissolved	104	-	80-120	-	20
Total Metals - Westborough Lab Associated sample(s): 02,04,06-07 Batch: WG429013-2					
Mercury, Total	95	-	80-120	-	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012679

Report Date: 08/30/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06-07 QC Batch ID: WG428339-3 WG428339-4 QC Sample: L1012679-02 Client ID: GP-10-14-079-U												
Aluminum, Total	8270	2000	10800	126		10500	112		80-120	3		20
Antimony, Total	ND	500	486	97		480	96		80-120	1		20
Arsenic, Total	17300	120	17700	333		16800	0		80-120	5		20
Barium, Total	58.4	2000	2180	106		2110	102		80-120	3		20
Beryllium, Total	ND	50	53.0	106		51.7	103		80-120	2		20
Cadmium, Total	ND	51	58.4	114		57.5	113		80-120	2		20
Calcium, Total	29900	10000	40700	108		39300	94		80-120	4		20
Chromium, Total	20.9	200	222	100		214	96		80-120	4		20
Cobalt, Total	14.2	500	539	105		523	102		80-120	3		20
Copper, Total	24.0	250	291	107		284	104		80-120	2		20
Iron, Total	80300	1000	83100	280		77900	0		80-120	6		20
Lead, Total	10.3	510	553	105		531	102		80-120	4		20
Magnesium, Total	5100	10000	15500	104		15000	99		80-120	3		20
Manganese, Total	5850	500	6510	132		6040	38		80-120	7		20
Nickel, Total	27.6	500	556	106		540	102		80-120	3		20
Potassium, Total	5480	10000	15900	104		15600	101		80-120	2		20
Selenium, Total	ND	120	133	111		127	106		80-120	5		20
Silver, Total	ND	50	51.3	103		50.5	101		80-120	2		20
Sodium, Total	6270	10000	16900	106		16800	105		80-120	1		20
Thallium, Total	ND	120	120	100		114	95		80-120	5		20
Vanadium, Total	10.1	500	505	99		490	96		80-120	3		20

Matrix Spike Analysis
Batch Quality Control**Project Name:** SHL TASK 0002**Project Number:** AC001**Lab Number:** L1012679**Report Date:** 08/30/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
-----------	------------------	-------------	-------------	-----------------	--------------	------------------	--------------------	-----	---------------

Total Metals - Westborough Lab Associated sample(s): 02,04,06-07 QC Batch ID: WG428339-3 WG428339-4 QC Sample: L1012679-02 Client ID: GP-10-14-079-U

Zinc, Total	73.2	500	606	106	574	100	80-120	5	20
-------------	------	-----	-----	-----	-----	-----	--------	---	----

Matrix Spike Analysis Batch Quality Control

Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012679
Report Date: 08/30/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01,03,05 QC Batch ID: WG428341-3 WG428341-4 QC Sample: L1012679-01 Client ID: GP-10-14-079-F									
Aluminum, Dissolved	ND	2000	1870	94	1990	100	80-120	6	20
Antimony, Dissolved	ND	500	485	97	519	104	80-120	7	20
Arsenic, Dissolved	15100	120	15100	0	15900	667	80-120	5	20
Barium, Dissolved	22.6	2000	2020	100	2110	104	80-120	4	20
Beryllium, Dissolved	ND	50	51.0	102	52.0	104	80-120	2	20
Cadmium, Dissolved	ND	51	55.5	109	58.2	114	80-120	5	20
Calcium, Dissolved	30500	10000	39900	94	42100	116	80-120	5	20
Chromium, Dissolved	ND	200	189	94	201	100	80-120	6	20
Cobalt, Dissolved	8.83	500	503	99	533	105	80-120	6	20
Copper, Dissolved	ND	250	250	100	266	106	80-120	6	20
Iron, Dissolved	71800	1000	71500	0	74700	290	80-120	4	20
Lead, Dissolved	ND	510	508	100	538	105	80-120	6	20
Magnesium, Dissolved	3390	10000	13100	97	13900	105	80-120	6	20
Manganese, Dissolved	5540	500	5900	72	6160	124	80-120	4	20
Nickel, Dissolved	14.0	500	516	100	542	106	80-120	5	20
Potassium, Dissolved	3780	10000	13600	98	14400	106	80-120	6	20
Selenium, Dissolved	ND	120	120	100	128	107	80-120	6	20
Silver, Dissolved	ND	50	48.5	97	50.4	101	80-120	4	20
Sodium, Dissolved	5720	10000	16200	105	16600	109	80-120	2	20
Thallium, Dissolved	ND	120	112	93	119	99	80-120	6	20
Vanadium, Dissolved	ND	500	467	93	498	100	80-120	6	20

Matrix Spike Analysis

Batch Quality Control

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012679

Report Date: 08/30/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01,03,05 QC Batch ID: WG428341-3 WG428341-4 QC Sample: L1012679-01 Client ID: GP-10-14-079-F									
Zinc, Dissolved	ND	500	535	107	562	112	80-120	5	20
Dissolved Metals - Westborough Lab Associated sample(s): 01,03,05 QC Batch ID: WG428708-3 WG428708-4 QC Sample: L1012679-01 Client ID: GP-10-14-079-F									
Mercury, Dissolved	ND	1	1.232	123	Q	1.254	125	Q	80-120 2 20
Total Metals - Westborough Lab Associated sample(s): 02,04,06-07 QC Batch ID: WG429013-3 WG429013-4 QC Sample: L1012679-02 Client ID: GP-10-14-079-U									
Mercury, Total	ND	1	1.040	104	1.145	114	80-120	10	20

INORGANICS & MISCELLANEOUS

Project Name: SHL TASK 0002

Lab Number: L1012679

Project Number: AC001

Report Date: 08/30/10

SAMPLE RESULTS

Lab ID: L1012679-01

Date Collected: 08/17/10 07:45

Client ID: GP-10-14-079-F

Date Received: 08/17/10

Sample Location: DEVENS, MA

Field Prep: See Narrative

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	210		mg CaCO3/L	2.0	NA	1	-	08/20/10 11:17	30,2320B	SD
Nitrogen, Ammonia	2.67		mg/l	0.075	0.017	1	08/20/10 18:15	08/20/10 22:09	30,4500NH3-BH	AT
Nitrogen, Nitrite	0.01	J	mg/l	0.02	0.002	1	-	08/18/10 02:00	30,4500NO2-B	DD
Sulfide	ND		mg/l	0.10	0.10	1	08/19/10 17:45	08/19/10 18:45	30,4500S2-AD	AT
Chemical Oxygen Demand	33		mg/l	20	7.0	1	-	08/19/10 15:07	44,410.4	DW
Dissolved Organic Carbon	4.2		mg/l	1.0	1.0	1	08/17/10 21:30	08/23/10 18:29	30,5310C	DD
Anions by Ion Chromatography - Westborough Lab										
Chloride	5.7		mg/l	0.50	0.07	1	-	08/18/10 21:00	44,300.0	AU
Nitrogen, Nitrate	ND		mg/l	0.05	0.01	1	-	08/18/10 21:00	44,300.0	AU
Sulfate	3.8		mg/l	1.0	0.12	1	-	08/18/10 21:00	44,300.0	AU



Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012679

Report Date: 08/30/10

SAMPLE RESULTS

Lab ID: L1012679-02

Client ID: GP-10-14-079-U

Sample Location: DEVENS, MA

Matrix: Water

Date Collected: 08/17/10 07:45

Date Received: 08/17/10

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	170		mg/l	5.0	NA	1	-	08/18/10 09:00	30,2540D	DW



Project Name: SHL TASK 0002

Lab Number: L1012679

Project Number: AC001

Report Date: 08/30/10

SAMPLE RESULTS

Lab ID: L1012679-03

Date Collected: 08/17/10 16:15

Client ID: GP-10-16-024-F

Date Received: 08/17/10

Sample Location: DEVENS, MA

Field Prep: See Narrative

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	33		mg CaCO3/L	2.0	NA	1	-	08/20/10 11:17	30,2320B	SD
Nitrogen, Ammonia	0.0455	J	mg/l	0.075	0.017	1	08/20/10 18:15	08/20/10 22:11	30,4500NH3-BH	AT
Nitrogen, Nitrite	ND		mg/l	0.02	0.002	1	-	08/18/10 02:00	30,4500NO2-B	DD
Sulfide	ND		mg/l	0.10	0.10	1	08/19/10 17:45	08/19/10 18:45	30,4500S2-AD	AT
Chemical Oxygen Demand	9.7	J	mg/l	20	7.0	1	-	08/19/10 15:07	44,410.4	DW
Dissolved Organic Carbon	ND		mg/l	1.0	1.0	1	08/17/10 21:30	08/23/10 18:29	30,5310C	DD
Anions by Ion Chromatography - Westborough Lab										
Chloride	3.6		mg/l	0.50	0.07	1	-	08/18/10 20:00	44,300.0	AU
Nitrogen, Nitrate	0.65		mg/l	0.10	0.01	2	-	08/18/10 20:12	44,300.0	AU
Sulfate	8.8		mg/l	1.0	0.12	1	-	08/18/10 20:00	44,300.0	AU

Project Name: SHL TASK 0002**Lab Number:** L1012679**Project Number:** AC001**Report Date:** 08/30/10**SAMPLE RESULTS****Lab ID:** L1012679-04**Date Collected:** 08/17/10 16:15**Client ID:** GP-10-16-024-U**Date Received:** 08/17/10**Sample Location:** DEVENS, MA**Field Prep:** Not Specified**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	3900		mg/l	50	NA	10	-	08/18/10 09:00	30,2540D	DW

Project Name: SHL TASK 0002

Lab Number: L1012679

Project Number: AC001

Report Date: 08/30/10

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01,03 Batch: WG428146-2										
Nitrogen, Nitrite	ND		mg/l	0.02	0.002	1	-	08/18/10 01:59	30,4500NO2-B	DD
General Chemistry - Westborough Lab for sample(s): 02,04 Batch: WG428153-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	08/18/10 09:00	30,2540D	DW
Anions by Ion Chromatography - Westborough Lab for sample(s): 01,03 Batch: WG428332-1										
Chloride	ND		mg/l	0.50	0.07	1	-	08/18/10 19:24	44,300.0	AU
Nitrogen, Nitrate	ND		mg/l	0.05	0.01	1	-	08/18/10 19:24	44,300.0	AU
Sulfate	ND		mg/l	1.0	0.12	1	-	08/18/10 19:24	44,300.0	AU
General Chemistry - Westborough Lab for sample(s): 01,03 Batch: WG428381-1										
Chemical Oxygen Demand	ND		mg/l	20	7.0	1	-	08/19/10 14:56	44,410.4	DW
General Chemistry - Westborough Lab for sample(s): 01,03 Batch: WG428683-1										
Sulfide	ND		mg/l	0.10	0.10	1	08/19/10 17:45	08/19/10 18:45	30,4500S2-AD	AT
General Chemistry - Westborough Lab for sample(s): 01,03 Batch: WG428685-1										
Alkalinity, Total	ND		mg CaCO3/L	2.0	NA	1	-	08/20/10 11:17	30,2320B	SD
General Chemistry - Westborough Lab for sample(s): 01,03 Batch: WG428697-1										
Nitrogen, Ammonia	ND		mg/l	0.075	0.017	1	08/20/10 18:15	08/20/10 22:06	30,4500NH3-BH	AT
General Chemistry - Westborough Lab for sample(s): 01,03 Batch: WG429018-2										
Dissolved Organic Carbon	ND		mg/l	1.0	1.0	1	08/17/10 21:30	08/23/10 18:29	30,5310C	DD

Lab Control Sample Analysis Batch Quality Control

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012679

Report Date: 08/30/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,03 Batch: WG428146-1								
Nitrogen, Nitrite	100		-		90-110	-		20
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01,03 Batch: WG428332-2								
Chloride	100		-		90-110	-		
Nitrogen, Nitrate	100		-		90-110	-		
Sulfate	95		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01,03 Batch: WG428381-2								
Chemical Oxygen Demand	103		-		95-105	-		
General Chemistry - Westborough Lab Associated sample(s): 01,03 Batch: WG428683-2								
Sulfide	91		-		75-125	-		
General Chemistry - Westborough Lab Associated sample(s): 01,03 Batch: WG428685-2								
Alkalinity, Total	106		-		80-115	-		4
General Chemistry - Westborough Lab Associated sample(s): 01,03 Batch: WG428697-2								
Nitrogen, Ammonia	98		-		80-120	-		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012679

Report Date: 08/30/10

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,03 Batch: WG429018-1					
Dissolved Organic Carbon	106		90-110	-	

Matrix Spike Analysis Batch Quality Control

Project Name: SHL TASK 0002
Project Number: AC001

Lab Number: L1012679
Report Date: 08/30/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG428146-3 QC Sample: L1012679-03 Client ID: GP-10-16-024-F												
Nitrogen, Nitrite	ND	0.1	0.10	100		-	-		85-115	-		20
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG428332-3 WG428332-4 QC Sample: L1012679-01 Client ID: GP-10-14-079-F												
Chloride	5.7	4	9.5	95		9.3	90		40-151	2		18
Nitrogen, Nitrate	ND	0.4	0.40	100		0.39	98		80-122	3		15
Sulfate	3.8	8	12	102		12	102		60-140	0		20
General Chemistry - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG428381-3 QC Sample: L1012632-01 Client ID: MS Sample												
Chemical Oxygen Demand	26	238	300	115		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG428683-3 QC Sample: L1012679-03 Client ID: GP-10-16-024-F												
Sulfide	ND	0.24	0.19	79		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG428685-3 QC Sample: L1012735-05 Client ID: MS Sample												
Alkalinity, Total	210	100	290	80	Q	-	-		86-116	-		4
General Chemistry - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG428697-3 QC Sample: L1012679-03 Client ID: GP-10-16-024-F												
Nitrogen, Ammonia	ND	4	3.79	95		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG429018-3 QC Sample: L1012735-05 Client ID: MS Sample												
Dissolved Organic Carbon	3.7	4	8.1	109		-	-		79-120	-		20

Lab Duplicate Analysis Batch Quality Control

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012679

Report Date: 08/30/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG428146-4 QC Sample: L1012679-03 Client ID: GP-10-16-024-F						
Nitrogen, Nitrite	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 02,04 QC Batch ID: WG428153-2 QC Sample: L1012679-04 Client ID: GP-10-16-024-U						
Solids, Total Suspended	3900	3800	mg/l	3		32
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG428332-5 QC Sample: L1012679-01 Client ID: GP-10-14-079-F						
Chloride	5.7	5.7	mg/l	0		18
Nitrogen, Nitrate	ND	ND	mg/l	NC		15
Sulfate	3.8	3.9	mg/l	3		20
General Chemistry - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG428381-4 QC Sample: L1012632-01 Client ID: DUP Sample						
Chemical Oxygen Demand	26	24	mg/l	8		20
General Chemistry - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG428683-4 QC Sample: L1012679-01 Client ID: GP-10-14-079-F						
Sulfide	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG428685-4 QC Sample: L1012735-05 Client ID: DUP Sample						
Alkalinity, Total	210	200	mg CaCO3/L	5	Q	4
General Chemistry - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG428697-4 QC Sample: L1012679-01 Client ID: GP-10-14-079-F						
Nitrogen, Ammonia	2.67	2.64	mg/l	1		20
General Chemistry - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG429018-4 QC Sample: L1012679-01 Client ID: GP-10-14-079-F						
Dissolved Organic Carbon	4.2	4.1	mg/l	2		20

Project Name: SHL TASK 0002

Lab Number: L1012679

Project Number: AC001

Report Date: 08/30/10

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal**Cooler**

B Present/Intact

A Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012679-01A	Vial H2SO4 preserved split	B	N/A	4	Y	Present/Intact	DOC-5310(28)
L1012679-01B	Vial H2SO4 preserved split	B	N/A	4	Y	Present/Intact	DOC-5310(28)
L1012679-01C	Plastic 250ml unpreserved	B	N/A	4	Y	Present/Intact	ALK-T-2320(14)
L1012679-01D	Plastic 250ml HNO3 preserved	B	<2	4	Y	Present/Intact	DOD-BA-6020S(180),DOD-FE-6020S(180),DOD-MG-6020S(180),DOD-SB-6020S(180),DOD-CR-6020S(180),DOD-MN-6020S(180),DOD-TL-6020S(180),DOD-CO-6020S(180),DOD-AG-6020S(180),DOD-CA-6020S(180),DOD-NA-6020S(180),DOD-NI-6020S(180),DOD-PB-6020S(180),DOD-V-6020S(180),DOD-AS-6020S(180),DOD-CD-6020S(180),DOD-BE-6020S(180),DOD-CU-6020S(180),DOD-ZN-6020S(180),DOD-AL-6020S(180),DOD-K-6020S(180),DOD-SE-6020S(180),DOD-HG-7470S(28)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Lab Number: L1012679

Project Number: AC001

Report Date: 08/30/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012679-01E	Plastic 250ml HNO3 preserved	B	<2	4	Y	Present/Intact	DOD-BA-6020S(180),DOD-FE-6020S(180),DOD-MG-6020S(180),DOD-SB-6020S(180),DOD-CR-6020S(180),DOD-MN-6020S(180),DOD-TL-6020S(180),DOD-CO-6020S(180),DOD-AG-6020S(180),DOD-CA-6020S(180),DOD-NA-6020S(180),DOD-NI-6020S(180),DOD-PB-6020S(180),DOD-V-6020S(180),DOD-AS-6020S(180),DOD-CD-6020S(180),DOD-BE-6020S(180),DOD-CU-6020S(180),DOD-ZN-6020S(180),DOD-AL-6020S(180),DOD-K-6020S(180),DOD-SE-6020S(180),DOD-HG-7470S(28)
L1012679-01F	Plastic 250ml Zn Acetate/NaOH pr	B	>12	4	Y	Present/Intact	SULFIDE-4500(7)
L1012679-01G	Plastic 250ml Zn Acetate/NaOH pr	B	>12	4	Y	Present/Intact	SULFIDE-4500(7)
L1012679-01H	Plastic 250ml Zn Acetate/NaOH pr	B	>12	4	Y	Present/Intact	SULFIDE-4500(7)
L1012679-01I	Plastic 500ml H2SO4 preserved	B	<2	4	Y	Present/Intact	COD-410(28),NH3-4500(28)
L1012679-01J	Plastic 250ml unpreserved	B	6	4	Y	Present/Intact	NO2-4500NO2(2)
L1012679-01K	Plastic 500ml unpreserved	B	6	4	Y	Present/Intact	SO4-300(28),CL-300(28),NO3-300(2)
L1012679-01X	Amber 250ml unpreserved	B	6	4	Y	Present/Intact	DOC-5310(28)
L1012679-02A	Plastic 250ml HNO3 preserved	B	<2	4	Y	Present/Intact	DOD-CD-6020T(180),DOD-NA-6020T(180),DOD-V-6020T(180),DOD-ZN-6020T(180),DOD-NI-6020T(180),DOD-SE-6020T(180),DOD-TL-6020T(180),DOD-CA-6020T(180),DOD-CO-6020T(180),DOD-MN-6020T(180),DOD-HG-7470T(28),DOD-SB-6020T(180),DOD-AG-6020T(180),DOD-AL-6020T(180),DOD-AS-6020T(180),DOD-BA-6020T(180),DOD-CR-6020T(180),DOD-K-6020T(180),DOD-BE-6020T(180),DOD-MG-6020T(180),DOD-FE-6020T(180),DOD-CU-6020T(180),DOD-PB-6020T(180)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012679

Report Date: 08/30/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012679-02B	Plastic 250ml HNO3 preserved	B	<2	4	Y	Present/Intact	DOD-CD-6020T(180),DOD-NA-6020T(180),DOD-V-6020T(180),DOD-ZN-6020T(180),DOD-NI-6020T(180),DOD-SE-6020T(180),DOD-TL-6020T(180),DOD-CA-6020T(180),DOD-CO-6020T(180),DOD-MN-6020T(180),DOD-HG-7470T(28),DOD-SB-6020T(180),DOD-AG-6020T(180),DOD-AL-6020T(180),DOD-AS-6020T(180),DOD-BA-6020T(180),DOD-CR-6020T(180),DOD-K-6020T(180),DOD-BE-6020T(180),DOD-MG-6020T(180),DOD-FE-6020T(180),DOD-CU-6020T(180),DOD-PB-6020T(180)
L1012679-02C	Plastic 1000ml unpreserved	B	6	4	Y	Present/Intact	TSS-2540(7)
L1012679-03A	Vial H2SO4 preserved split	A	N/A	3	Y	Present/Intact	DOC-5310(28)
L1012679-03B	Vial H2SO4 preserved split	A	N/A	3	Y	Present/Intact	DOC-5310(28)
L1012679-03C	Plastic 250ml unpreserved	A	N/A	3	Y	Present/Intact	ALK-T-2320(14)
L1012679-03D	Plastic 250ml HNO3 preserved	A	<2	3	Y	Present/Intact	DOD-BA-6020S(180),DOD-FE-6020S(180),DOD-MG-6020S(180),DOD-SB-6020S(180),DOD-CR-6020S(180),DOD-MN-6020S(180),DOD-TL-6020S(180),DOD-CO-6020S(180),DOD-AG-6020S(180),DOD-CA-6020S(180),DOD-NA-6020S(180),DOD-NI-6020S(180),DOD-PB-6020S(180),DOD-V-6020S(180),DOD-AS-6020S(180),DOD-CD-6020S(180),DOD-BE-6020S(180),DOD-CU-6020S(180),DOD-ZN-6020S(180),DOD-AL-6020S(180),DOD-K-6020S(180),DOD-SE-6020S(180),DOD-HG-7470S(28)
L1012679-03E	Plastic 250ml Zn Acetate/NaOH pr	A	>12	3	Y	Present/Intact	SULFIDE-4500(7)
L1012679-03F	Plastic 250ml Zn Acetate/NaOH pr	A	>12	3	Y	Present/Intact	SULFIDE-4500(7)
L1012679-03G	Plastic 250ml Zn Acetate/NaOH pr	A	>12	3	Y	Present/Intact	SULFIDE-4500(7)
L1012679-03H	Plastic 500ml H2SO4 preserved	A	<2	3	Y	Present/Intact	COD-410(28),NH3-4500(28)
L1012679-03I	Plastic 250ml unpreserved	A	6	3	Y	Present/Intact	NO2-4500NO2(2)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Lab Number: L1012679

Project Number: AC001

Report Date: 08/30/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012679-03J	Plastic 500ml unpreserved	A	6	3	Y	Present/Intact	SO4-300(28),CL-300(28),NO3-300(2)
L1012679-03X	Amber 250ml unpreserved	A	6	3	Y	Present/Intact	DOC-5310(28)
L1012679-04A	Plastic 500ml HNO3 preserved	A	<2	3	Y	Present/Intact	DOD-CD-6020T(180),DOD-NA-6020T(180),DOD-V-6020T(180),DOD-ZN-6020T(180),DOD-NI-6020T(180),DOD-SE-6020T(180),DOD-TL-6020T(180),DOD-CA-6020T(180),DOD-CO-6020T(180),DOD-MN-6020T(180),DOD-HG-7470T(28),DOD-SB-6020T(180),DOD-AG-6020T(180),DOD-AL-6020T(180),DOD-AS-6020T(180),DOD-BA-6020T(180),DOD-CR-6020T(180),DOD-K-6020T(180),DOD-BE-6020T(180),DOD-MG-6020T(180),DOD-FE-6020T(180),DOD-CU-6020T(180),DOD-PB-6020T(180)
L1012679-04B	Plastic 1000ml unpreserved	A	6	3	Y	Present/Intact	TSS-2540(7)
L1012679-05A	Plastic 250ml HNO3 preserved	A	<2	3	Y	Present/Intact	DOD-BA-6020S(180),DOD-FE-6020S(180),DOD-MG-6020S(180),DOD-SB-6020S(180),DOD-CR-6020S(180),DOD-MN-6020S(180),DOD-TL-6020S(180),DOD-CO-6020S(180),DOD-AG-6020S(180),DOD-CA-6020S(180),DOD-NA-6020S(180),DOD-NI-6020S(180),DOD-PB-6020S(180),DOD-V-6020S(180),DOD-AS-6020S(180),DOD-CD-6020S(180),DOD-BE-6020S(180),DOD-CU-6020S(180),DOD-ZN-6020S(180),DOD-AL-6020S(180),DOD-K-6020S(180),DOD-SE-6020S(180),DOD-HG-7470S(28)

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Project Number: AC001

Lab Number: L1012679

Report Date: 08/30/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1012679-06A	Plastic 500ml HNO3 preserved	A	<2	3	Y	Present/Intact	DOD-CD-6020T(180),DOD-NA-6020T(180),DOD-V-6020T(180),DOD-ZN-6020T(180),DOD-NI-6020T(180),DOD-SE-6020T(180),DOD-TL-6020T(180),DOD-CA-6020T(180),DOD-CO-6020T(180),DOD-MN-6020T(180),DOD-HG-7470T(28),DOD-SB-6020T(180),DOD-AG-6020T(180),DOD-AL-6020T(180),DOD-AS-6020T(180),DOD-BA-6020T(180),DOD-CR-6020T(180),DOD-K-6020T(180),DOD-BE-6020T(180),DOD-MG-6020T(180),DOD-FE-6020T(180),DOD-CU-6020T(180),DOD-PB-6020T(180)
L1012679-07A	Plastic 500ml HNO3 preserved	B	<2	4	Y	Present/Intact	DOD-CD-6020T(180),DOD-NA-6020T(180),DOD-V-6020T(180),DOD-ZN-6020T(180),DOD-NI-6020T(180),DOD-SE-6020T(180),DOD-TL-6020T(180),DOD-CA-6020T(180),DOD-CO-6020T(180),DOD-MN-6020T(180),DOD-HG-7470T(28),DOD-SB-6020T(180),DOD-AG-6020T(180),DOD-AL-6020T(180),DOD-AS-6020T(180),DOD-BA-6020T(180),DOD-CR-6020T(180),DOD-K-6020T(180),DOD-BE-6020T(180),DOD-MG-6020T(180),DOD-FE-6020T(180),DOD-CU-6020T(180),DOD-PB-6020T(180)

Container Comments

L1012679-01A

L1012679-01B

L1012679-03A

L1012679-03B

*Values in parentheses indicate holding time in days

Project Name: SHL TASK 0002

Lab Number: L1012679

Project Number: AC001

Report Date: 08/30/10

GLOSSARY

Acronyms

- EPA - Environmental Protection Agency.
- LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
- LCSD - Laboratory Control Sample Duplicate: Refer to LCS.
- MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
- MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
- MSD - Matrix Spike Sample Duplicate: Refer to MS.
- NA - Not Applicable.
- NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
- NI - Not Ignitable.
- RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
- RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.

Report Format: DU Report with "J" Qualifiers



Project Name: SHL TASK 0002

Lab Number: L1012679

Project Number: AC001

Report Date: 08/30/10

Data Qualifiers

- RE** - Analytical results are from sample re-extraction.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL). This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample.

Report Format: DU Report with "J" Qualifiers



Project Name: SHL TASK 0002

Lab Number: L1012679

Project Number: AC001

Report Date: 08/30/10

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 44 Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, August 1993.

The analyses performed on the sample(s) within this report are in accordance with the minimum established guidelines set forth in the Department of Defense Quality Systems Manual, Version 4.1, issued April 22, 2009

LIMITATION OF LIABILITIES

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

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

Certificate/Approval Program Summary

Last revised July 19, 2010 - Westboro Facility

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

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

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

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

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3,3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.

Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500CI-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500CI-D, 4500CI-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624, ME DRO, ME GRO, MA EPH, MA VPH.)

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

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

Drinking Water

Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)

(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)

353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, 2320B, SM2540C, SM4500H-B.

Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)

(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.

Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D

Non-Potable Water

Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)

(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)

245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)

(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. *Organic Parameters:* 504.1, 524.2, SM6251B.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. *Organic Parameters:* SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. *Organic Parameters:* SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. *Organic Parameters:* 504.1, SM6251B, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. *Organic Parameters:* SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. *Organic Parameters:* SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H. NJ OQA-QAM-025 Rev 7)

New York Department of Health Certificate/Lab ID: 11148. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. *Organic Parameters:* EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. *Organic Parameters:* EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)

Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. *Organic Parameters:* EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

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

Pennsylvania Department of Environmental Protection Certificate/Lab ID: 68-03671. NELAP Accredited.

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

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. *Organic Parameters:* 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. NELAP Accredited via NY-DOH.

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Texas Commission on Environmental Quality Certificate/Lab ID: T104704476-09-1. NELAP Accredited.

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH₃-H, 4500NO₂B, 4500P-E, 4500 S₂⁻D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

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

Department of Defense Certificate/Lab ID: L2217.

Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 120.1, 9050A, 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO₄-E, 426C, 4500NH₃-B, 4500NH₃-H, 4500NO₃-F, 4500NO₂-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S₂-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035, MassDEP EPH, MassDEP VPH.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **EPA 8260B**: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A**: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C**: Methyl naphthalene, Dimethyl naphthalene, Total Methyl naphthalenes, Total Dimethyl naphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625**: 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.



WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9183

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

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 8/17/10

ALPHA Job #

L1012679

Report Information - Data Deliverables

☐ FAX ☒ EMAIL EDR
☐ ADEX ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program

Criteria SEE QAPP

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?

ANALYSIS
Cl, S₄, NO₃
NO₂
ALK
NH₄ CO₃
SO₄ Pb
TSS
DIC/DUC
TOTAL TAL metals
DIS TAL metals

SAMPLE HANDLING

Filtration _____
☒ Done *
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

Client Information

Client: Sovereign Consulting Inc
Address: 905 B South Main St
Mansfield, MA 02048

Project Location: Deven's MA

Project #: AC001

Project Manager: Phil McBain

ALPHA Quote #:

Phone: 508-339-3200

Fax: 508-339-3248

Email: pmc@sacon.com

☐ These samples have been previously analyzed by Alpha

Turn-Around Time

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

Date Due: 8/24/10 Time:

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)

SDG#34 - closed

* Done as Method F = Field Filtered

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	Cl, S ₄	NO ₂	Alk	NH ₄	SO ₄	TSS	DIC	Total	Dis	(Please specify below)	LMS
		Date	Time												Sample Specific Comments	
12679	1 GP-10-14-079-F	8/17/10	0745	GW	JJC	✓	✓	✓	✓	✓	✓	✓			MS/MSD Metals Only	10
	2 GP-10-14-079-LI	8/17/10	0745	GW	JJC						✓	✓			MS/MSD Metals Only	3
	3 GP-10-16-024-F	8/17/10	1615	GW	JJC	✓	✓	✓	✓	✓	✓	✓				9
	4 GP-10-16-024-LI	8/17/10	1615	GW	JJC						✓	✓				2
	5 DUP-081710-F	8/17/10	1615	GW	JJC								✓			1
	6 DUP-081710-LI	8/17/10	1615	GW	JJC							✓				1
	7 RB-081710-LI	8/17/10	1145	GW	RVM							✓				1

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT
MA MCP or CT RCP?

Container Type P P P P P P A P P
Preservative A A A D/E A A C C

Relinquished By:

Date/Time

Received By:

Date/Time

8/17/10 1700

8/17/10 1705

8/17/10 1805

8/17/10 1805

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.

Serial No. 08301015:53



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

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

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab

8/17/10

ALPHA Job #:

L1012679

Report Information - Data Deliverables

☐ FAX☒ EMAIL EPR☐ ADEX☐ Add'l Deliverables

Billing Information

☐ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State /Fed Program

Criteria SEE QAPP

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?

ANALYSIS											SAMPLE HANDLING		TOTAL # BOTTLES
	Cl, S, NO ₃	NO ₂	Alk	NH ₄ CO ₃	SO ₄ Alk	TSS	DIC/DUC	Total TAL Metals	Dis TAL Metals		Filtration		
											<input checked="" type="checkbox"/> Done *		
											<input type="checkbox"/> Not needed		
											<input type="checkbox"/> Lab to do		
											Preservation		
											<input type="checkbox"/> Lab to do		
											(Please specify below)		
											Sample Specific Comments		

Client Information

Client: Savcon Consulting Inc

Address: 905 B South Main St

Manfield, MA 02048

Phone: 508-339-3200

Fax: 508-339-3248

Email: pmcbrain@savcon.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: SHL Task 0002

Project Location: Dev's MA

Project #: AC001

Project Manager: Phil McBain

ALPHA Quote #:

Turn-Around Time

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

Date Due:

8/24/10

Time:

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)

SDG#34 - closed

*Done as noted F=Field Filtered

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials											Sample Specific Comments	
		Date	Time			Cl, S, NO ₃	NO ₂	Alk	NH ₄ CO ₃	SO ₄ Alk	TSS	DIC/DUC	Total TAL Metals	Dis TAL Metals			
12679	1 GP-10-14-079-F	8/17/10	0745	GW	JJC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	MS/MSD Metals Only	10
	2 GP-10-14-079-U	8/17/10	0745	GW	JJC						✓	✓				MS/MSD Metals Only	3
	3 GP-10-16-024-F	8/17/10	1615	GW	JJC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		9
	4 GP-10-16-024-U	8/17/10	1615	GW	JJC						✓	✓					2
	5 DUP-081710-F	8/17/10	1615	GW	JJC								✓				1
	6 DUP-081710-U	8/17/10	1615	GW	JJC								✓				1
	7 RB-081710-U	8/17/10	1145	GW	RVM								✓				1

PLEASE ANSWER QUESTIONS ABOVE!

Container Type

P P P P P P A P P

Preservative

A A A D E A A C C

IS YOUR PROJECT
MA MCP or CT RCP?

Relinquished By:

Date/Time

8/17/10 1700

Received By:

Date/Time

8/17/10 1805

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.