

AIR MONITORING

October 15, 2009 Sampling Event



ANALYTICAL REPORT

Lab Number:	L0914757
Client:	Shaw E & I 11 Northeastern Blvd. Salem, NH 03079
ATTN:	Ed Van Doren
Project Name:	CROW LANE LANDFILL
Project Number:	124246
Report Date:	10/20/09

Certifications & Approvals: MA (M-MA030), NY (11627), CT (PH-0141), NH (2206), NJ (MA015), RI (LAO00299), ME (MA0030), PA (Registration #68-02089), LA NELAC (03090), FL NELAC (E87814), US Army Corps of Engineers.

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Project Name: CROW LANE LANDFILL
Project Number: 124246

Lab Number: L0914757
Report Date: 10/20/09

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L0914757-01	PERIMETER RD #10	NEWBURYPORT, MA	10/15/09 17:13
L0914757-02	20 WILDWOOD	NEWBURYPORT, MA	10/15/09 16:59
L0914757-03	WOODMAN FARM STAND	NEWBURYPORT, MA	10/15/09 16:37
L0914757-04	COMPOST AREA	NEWBURYPORT, MA	10/15/09 16:18

Project Name: CROW LANE LANDFILL
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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.

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.

Mercaptans and Sulfides

The WG384744-3 LCS recovery for Thiophene (159%) is outside the 70%-130% acceptance limit. Thiophene responded high and associated samples were non-detect for this compound, therefore no further action was taken.

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:



Title: Technical Director/Representative

Date: 10/20/09

AIR

Project Name: CROW LANE LANDFILL**Lab Number:** L0914757**Project Number:** 124246**Report Date:** 10/20/09**SAMPLE RESULTS**

Lab ID: L0914757-01
Client ID: PERIMETER RD #10
Sample Location: NEWBURYPORT, MA
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 10/16/09 15:29
Analyst: AR

Date Collected: 10/15/09 17:13
Date Received: 10/16/09
Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Mercaptans & Sulfides in Air - Mansfield Lab						
Hydrogen Sulfide	18.0	5.00	25.0	6.94		1
Carbonyl sulfide	1.39	1.00	3.40	2.44		1
Methyl mercaptan	ND	5.00	ND	9.80		1
Ethyl mercaptan	ND	5.00	ND	12.8		1
Dimethyl sulfide	ND	1.00	ND	2.56		1
2,5-Dimethylthiophene	ND	0.500	ND	2.29		1
2-Ethylthiophene	ND	0.500	ND	2.29		1
3-Methylthiophene	ND	0.500	ND	2.00		1
n-Butyl Mercaptan	ND	5.00	ND	18.4		1
Diethyl disulfide	ND	1.00	ND	5.00		1
Ethyl Methyl Sulfide	ND	0.500	ND	1.56		1
Isobutyl Mercaptan	ND	5.00	ND	18.4		1
Isopropyl Mercaptan	ND	2.50	ND	7.78		1
N-Propyl Mercaptan	ND	1.00	ND	3.11		1
tert-Butyl Mercaptan	ND	2.50	ND	9.21		1
Tetrahydrothiophene	ND	2.00	ND	7.21		1
Carbon disulfide	0.734	0.500	2.28	1.56		1
Diethyl Sulfide	ND	0.500	ND	1.84		1
Dimethyl Disulfide	ND	0.500	ND	1.92		1
Thiophene	ND	0.500	ND	1.72		1

Project Name: CROW LANE LANDFILL**Lab Number:** L0914757**Project Number:** 124246**Report Date:** 10/20/09**SAMPLE RESULTS**

Lab ID: L0914757-02
Client ID: 20 WILDWOOD
Sample Location: NEWBURYPORT, MA
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 10/16/09 15:57
Analyst: AR

Date Collected: 10/15/09 16:59
Date Received: 10/16/09
Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Mercaptans & Sulfides in Air - Mansfield Lab						
Hydrogen Sulfide	ND	5.00	ND	6.94		1
Carbonyl sulfide	1.34	1.00	3.28	2.44		1
Methyl mercaptan	ND	5.00	ND	9.80		1
Ethyl mercaptan	ND	5.00	ND	12.8		1
Dimethyl sulfide	ND	1.00	ND	2.56		1
2,5-Dimethylthiophene	ND	0.500	ND	2.29		1
2-Ethylthiophene	ND	0.500	ND	2.29		1
3-Methylthiophene	ND	0.500	ND	2.00		1
n-Butyl Mercaptan	ND	5.00	ND	18.4		1
Diethyl disulfide	ND	1.00	ND	5.00		1
Ethyl Methyl Sulfide	ND	0.500	ND	1.56		1
Isobutyl Mercaptan	ND	5.00	ND	18.4		1
Isopropyl Mercaptan	ND	2.50	ND	7.78		1
N-Propyl Mercaptan	ND	1.00	ND	3.11		1
tert-Butyl Mercaptan	ND	2.50	ND	9.21		1
Tetrahydrothiophene	ND	2.00	ND	7.21		1
Carbon disulfide	0.749	0.500	2.33	1.56		1
Diethyl Sulfide	ND	0.500	ND	1.84		1
Dimethyl Disulfide	ND	0.500	ND	1.92		1
Thiophene	ND	0.500	ND	1.72		1

Project Name: CROW LANE LANDFILL**Lab Number:** L0914757**Project Number:** 124246**Report Date:** 10/20/09**SAMPLE RESULTS**

Lab ID: L0914757-03
Client ID: WOODMAN FARM STAND
Sample Location: NEWBURYPORT, MA
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 10/16/09 16:26
Analyst: AR

Date Collected: 10/15/09 16:37
Date Received: 10/16/09
Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Mercaptans & Sulfides in Air - Mansfield Lab						
Hydrogen Sulfide	ND	5.00	ND	6.94		1
Carbonyl sulfide	1.41	1.00	3.45	2.44		1
Methyl mercaptan	ND	5.00	ND	9.80		1
Ethyl mercaptan	ND	5.00	ND	12.8		1
Dimethyl sulfide	ND	1.00	ND	2.56		1
2,5-Dimethylthiophene	ND	0.500	ND	2.29		1
2-Ethylthiophene	ND	0.500	ND	2.29		1
3-Methylthiophene	ND	0.500	ND	2.00		1
n-Butyl Mercaptan	ND	5.00	ND	18.4		1
Diethyl disulfide	ND	1.00	ND	5.00		1
Ethyl Methyl Sulfide	ND	0.500	ND	1.56		1
Isobutyl Mercaptan	ND	5.00	ND	18.4		1
Isopropyl Mercaptan	ND	2.50	ND	7.78		1
N-Propyl Mercaptan	ND	1.00	ND	3.11		1
tert-Butyl Mercaptan	ND	2.50	ND	9.21		1
Tetrahydrothiophene	ND	2.00	ND	7.21		1
Carbon disulfide	0.834	0.500	2.60	1.56		1
Diethyl Sulfide	ND	0.500	ND	1.84		1
Dimethyl Disulfide	ND	0.500	ND	1.92		1
Thiophene	ND	0.500	ND	1.72		1



Project Name: CROW LANE LANDFILL**Lab Number:** L0914757**Project Number:** 124246**Report Date:** 10/20/09**SAMPLE RESULTS**

Lab ID: L0914757-04
Client ID: COMPOST AREA
Sample Location: NEWBURYPORT, MA
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 10/16/09 16:55
Analyst: AR

Date Collected: 10/15/09 16:18
Date Received: 10/16/09
Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Mercaptans & Sulfides in Air - Mansfield Lab						
Hydrogen Sulfide	ND	5.00	ND	6.94		1
Carbonyl sulfide	1.42	1.00	3.46	2.44		1
Methyl mercaptan	ND	5.00	ND	9.80		1
Ethyl mercaptan	ND	5.00	ND	12.8		1
Dimethyl sulfide	ND	1.00	ND	2.56		1
2,5-Dimethylthiophene	ND	0.500	ND	2.29		1
2-Ethylthiophene	ND	0.500	ND	2.29		1
3-Methylthiophene	ND	0.500	ND	2.00		1
n-Butyl Mercaptan	ND	5.00	ND	18.4		1
Diethyl disulfide	ND	1.00	ND	5.00		1
Ethyl Methyl Sulfide	ND	0.500	ND	1.56		1
Isobutyl Mercaptan	ND	5.00	ND	18.4		1
Isopropyl Mercaptan	ND	2.50	ND	7.78		1
N-Propyl Mercaptan	ND	1.00	ND	3.11		1
tert-Butyl Mercaptan	ND	2.50	ND	9.21		1
Tetrahydrothiophene	ND	2.00	ND	7.21		1
Carbon disulfide	0.587	0.500	1.83	1.56		1
Diethyl Sulfide	ND	0.500	ND	1.84		1
Dimethyl Disulfide	ND	0.500	ND	1.92		1
Thiophene	ND	0.500	ND	1.72		1

Project Name: CROW LANE LANDFILL

Lab Number: L0914757

Project Number: 124246

Report Date: 10/20/09

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 10/16/09 15:00

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Mercaptans & Sulfides in Air - Mansfield Lab for sample(s): 01-04 Batch: WG384744-4						
Hydrogen Sulfide	ND	5.00	ND	6.94		1
Carbonyl sulfide	ND	1.00	ND	2.44		1
Methyl mercaptan	ND	5.00	ND	9.80		1
Ethyl mercaptan	ND	5.00	ND	12.8		1
Dimethyl sulfide	ND	1.00	ND	2.56		1
2,5-Dimethylthiophene	ND	0.500	ND	2.29		1
2-Ethylthiophene	ND	0.500	ND	2.29		1
3-Methylthiophene	ND	0.500	ND	2.00		1
n-Butyl Mercaptan	ND	5.00	ND	18.4		1
Diethyl disulfide	ND	1.00	ND	5.00		1
Ethyl Methyl Sulfide	ND	0.500	ND	1.56		1
Isobutyl Mercaptan	ND	5.00	ND	18.4		1
Isopropyl Mercaptan	ND	2.50	ND	7.78		1
N-Propyl Mercaptan	ND	1.00	ND	3.11		1
tert-Butyl Mercaptan	ND	2.50	ND	9.21		1
Tetrahydrothiophene	ND	2.00	ND	7.21		1
Carbon disulfide	ND	0.500	ND	1.56		1
Diethyl Sulfide	ND	0.500	ND	1.84		1
Dimethyl Disulfide	ND	0.500	ND	1.92		1
Thiophene	ND	0.500	ND	1.72		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: CROW LANE LANDFILL

Lab Number: L0914757

Project Number: 124246

Report Date: 10/20/09

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Mercaptans & Sulfides in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG384744-3								
Hydrogen Sulfide	74		-		70-130	-		
Carbonyl sulfide	85		-		70-130	-		
Methyl mercaptan	91		-		70-130	-		
Ethyl mercaptan	103		-		70-130	-		
Dimethyl sulfide	93		-		70-130	-		
2,5-Dimethylthiophene	82		-		70-130	-		
2-Ethylthiophene	93		-		70-130	-		
3-Methylthiophene	95		-		70-130	-		
n-Butyl Mercaptan	79		-		70-130	-		
Diethyl disulfide	92		-		70-130	-		
Ethyl Methyl Sulfide	103		-		70-130	-		
Isobutyl Mercaptan	99		-		70-130	-		
Isopropyl Mercaptan	100		-		70-130	-		
N-Propyl Mercaptan	86		-		70-130	-		
tert-Butyl Mercaptan	106		-		70-130	-		
Tetrahydrothiophene	83		-		70-130	-		
Carbon disulfide	74		-		70-130	-		
Diethyl Sulfide	101		-		70-130	-		
Dimethyl Disulfide	78		-		70-130	-		
Thiophene	159	Q	-		70-130	-		

Lab Duplicate Analysis

Batch Quality Control

Project Name: CROW LANE LANDFILL

Project Number: 124246

Lab Number: L0914757

Report Date: 10/20/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Mercaptans & Sulfides in Air - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG384744-5 QC Sample: L0914757-01 Client ID: PERIMETER RD #10						
Hydrogen Sulfide	18.0	18.9	ppbV	5		25
Carbonyl sulfide	1.39	1.50	ppbV	8		25
Methyl mercaptan	ND	ND	ppbV	NC		25
Ethyl mercaptan	ND	ND	ppbV	NC		25
Dimethyl sulfide	ND	ND	ppbV	NC		25
2,5-Dimethylthiophene	ND	ND	ppbV	NC		25
2-Ethylthiophene	ND	ND	ppbV	NC		25
3-Methylthiophene	ND	ND	ppbV	NC		25
n-Butyl Mercaptan	ND	ND	ppbV	NC		25
Diethyl disulfide	ND	ND	ppbV	NC		25
Ethyl Methyl Sulfide	ND	ND	ppbV	NC		25
Isobutyl Mercaptan	ND	ND	ppbV	NC		25
Isopropyl Mercaptan	ND	ND	ppbV	NC		25
N-Propyl Mercaptan	ND	ND	ppbV	NC		25
tert-Butyl Mercaptan	ND	ND	ppbV	NC		25
Tetrahydrothiophene	ND	ND	ppbV	NC		25
Carbon disulfide	0.734	0.835	ppbV	13		25
Diethyl Sulfide	ND	ND	ppbV	NC		25
Dimethyl Disulfide	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: CROW LANE LANDFILL

Project Number: 124246

Lab Number: L0914757

Report Date: 10/20/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Mercaptans & Sulfides in Air - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG384744-5 QC Sample: L0914757-01 Client ID: PERIMETER RD #10					
Thiophene	ND	ND	ppbV	NC	25

Project Name: CROW LANE LANDFILL**Lab Number:** L0914757**Project Number:** 124246**Report Date:** 10/20/09**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis
L0914757-01A	Tedlar Bag 5 liter-Polypropylene	A	NA	N/A	NA	Present/Intact	TO15-CTD(2)
L0914757-02A	Tedlar Bag 5 liter-Polypropylene	A	NA	N/A	NA	Present/Intact	TO15-CTD(2)
L0914757-03A	Tedlar Bag 5 liter-Polypropylene	A	NA	N/A	NA	Present/Intact	TO15-CTD(2)
L0914757-04A	Tedlar Bag 5 liter-Polypropylene	A	NA	N/A	NA	Present/Intact	TO15-CTD(2)

*Hold days indicated by values in parentheses

Project Name: CROW LANE LANDFILL
Project Number: 124246

Lab Number: L0914757
Report Date: 10/20/09

GLOSSARY

Acronyms

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

Terms

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

Data Qualifiers

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

Report Format: Data Usability Report



Project Name: CROW LANE LANDFILL
Project Number: 124246

Lab Number: L0914757
Report Date: 10/20/09

REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

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

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



Certificate/Approval Program Summary

Last revised June 17, 2009 – Mansfield Facility

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

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

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

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

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

Non-Potable Water (Inorganic Parameters: SM2320B, 4500NH3-F, EPA 120.1, SM2510B, 2340B, EPA 245.1, EPA 150.1, EPA 160.2, SM2540D, EPA 335.2, 420.1, SM2540G, EPA 180.1. Organic Parameters: EPA 625, 608.)

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

Air & Emissions (EPA TO-15.)

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

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

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

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

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

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

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

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

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

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

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

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

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

Atmospheric Organic Parameters (EPA TO-15)

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

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

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

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

Air & Emissions (EPA TO-15.)

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

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

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

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

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

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

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7471. Organic Parameters: EPA 8015, 8270.)

U.S. Army Corps of Engineers

