

March 13, 2024

Mr. William J. Cundiff, P.E.
DPW Public Works Superintendent
Town of Southborough
147 Cordaville Road
Southborough, Massachusetts 01772

Re: **Atwood Tank Site Preliminary Investigation**
40 Atwood Street
Southborough, Massachusetts
Pare Project No.: 08176.30

Dear Mr. Cundiff:

On February 12, 2024, and at the request of the Town of Southborough, Pare Corporation (Pare) performed shallow soil sampling at 40 Atwood Street (AP 8, LOT 102). The Site is the location of the former Atwood water storage tank; a 100,000-gallon elevated tank that was constructed in the 1930s and demolished in the early 1990s. The purpose of the sampling was to evaluate whether the tank, specifically the tank coating, impacted soil on-site with lead and/or polychlorinated biphenyls (PCBs).

Summary Sampling Program and Results

Soil samples were collected at four (4) locations beneath the tank, two (2) locations in the field where the tank vessel landed during demolition, and two (2) samples along the southern property line between the tank and its closest neighbor. Beneath the tank, samples were collected at four (4) discrete intervals: 0-6 inches, 6-12 inches, 12-18 inches, and 18-24 inches. In the field and near the property line, samples were collected at two (2) discrete intervals: 0-6 inches and 6-12 inches. A total of twenty-four (24) samples were collected. All samples were collected in laboratory-provided glassware and transported with chain-of-custody documentation to the New England Testing Laboratory in Warwick, RI. Samples were analyzed for total lead via EPA method 6010C and PCBs via EPA method 8082A. Three samples were selected for additional Toxicity Characteristic Leaching Procedure (TCLP) analysis for leachable lead.

Based on the laboratory analysis, PCBs were not present in any of the samples collected – all samples were reported as *non-detect*.

Lead was reported in every sample collected, ranging in concentration from 9.04 mg/kg to 1,730 mg/kg. The Reportable Concentration (RC) for lead in soil, as established by the Massachusetts Department of Environmental Protection (MassDEP), is 200 mg/kg. Of the twenty-four (24) samples collected, five (5) exceeded the RC. The highest concentrations were located directly beneath the former tank, approximately 12-24 inches below ground. Based on a review of previous site drawings and the condition of the Site, as Pare found it on the date of sampling, it is Pare's belief the highest concentrations of lead were reported at depths that likely represent the former ground surface elevation when the tank was in service and that some amount of relatively clean fill was placed over the original ground surface after the tank was demolished.

Of the three (3) samples that were analyzed for TCLP lead, two (2) exceeded the RCRA threshold for hazardous waste. The RCRA hazardous waste threshold for lead is 5 mg/L and sample concentrations ranged from 3.64 to 40.0 mg/L.

The results of Pare’s preliminary investigation indicate that the former Atwood tank has impacted site soil with lead. While many of the samples collected were below the MassDEP’s RC of 200 mg/kg, 5 samples exceeded the clean-up standard, some of them significantly. In addition, at least some of the lead in the site soil is leachable, as indicated by the TCLP analysis and some of the site soil exceeds the threshold for RCRA hazardous waste.

Recommended Next Steps

Based on the results of the preliminary investigation, the Site requires further investigation and eventual remediation. It is Pare’s recommendation that the Town perform a comprehensive investigation of the Site. The investigation should include a program for evaluating lead throughout the Site up to the property lines. Samples should be collected at regular horizontal intervals and at vertical intervals that extend at least 24 inches below grade. A relatively dense grid spacing (e.g., 10 ft x 10 ft) should be used around the tank, while a less dense spacing (e.g., 20-40 feet) could be sufficient in areas further from the tank. All samples would be screened with a handheld X-ray fluorescence (XRF) unit to identify approximate lead concentrations. Based on the screening, some of those samples would be sent to a laboratory for confirmation of their actual lead concentration. If data collected during the next investigation indicates that there is a strong likelihood that lead has impacted abutting properties, the Town should coordinate with affected abutting property owners and develop an investigation program for their properties.

Once the horizontal and vertical limits of lead impacts have been established, the Town will need to develop a remediation plan for the Site. The remediation plan could vary significantly based on the final planned use of the Site and depending on that use and the timeline for its implementation, much of the remediation could be incorporated into future development activities. The remediation of the Site will likely include some combination of soil removal/off-site disposal and soil encapsulation (i.e., capping). The amount of soil removed versus in-place capping would be largely dependent on the future plans for the Site. Because some of the samples exceed the RCRA threshold for hazardous waste, at least some of the soil will be very expensive to dispose of off-site; likely requiring special handling and transport and disposal at a hazardous waste landfill. To reduce costs, it may be possible to perform chemical stabilization of soil with the highest concentrations of lead prior to off-site disposal. This type of stabilization could reduce the leachability of lead, which could lessen the costs of disposal. However, the cost of this type of stabilization would need to be evaluated against the total quantity of soil to be disposed of off-site. This evaluation would be done after the extent of hazardous waste soil is identified.

For the comprehensive investigation of the Site, Pare recommends that the Town budget \$80,000 for engineering, laboratory, and drilling services. A breakdown of Pare’s recommended budget is provided as follows:

Pare Fee (Field Data Collection and Report Preparation)	\$ 33,000
Driller Services	\$ 22,000
XRF Services	\$ 10,000
Laboratory Budget	\$ 14,000
<u>Mileage and Expenses</u>	<u>\$ 1,000</u>
Total	\$ 80,000

Mr. William Cundiff, P.E.-DPW

(3)

March 13, 2024

These costs are predicated on the following assumptions:

1. Sampling is limited to parcel AP 8/Lot 102.
2. Sampling beneath the tank is performed at a 10-foot grid spacing over an area of 100 feet x 100 feet, 4 discrete vertical intervals at each spot for a total of 484 samples.
3. Sampling over the remaining area of the Site is performed at a 30-foot grid spacing at 2 discrete vertical intervals for a total of 324 samples.
4. 50% of all samples collected would be sent for laboratory analysis after screening (approximately 400 samples).
5. 10% of the samples will require TCLP analysis (approximately 40 samples).
6. 1 day in the field to lay out the grid and 8 days to collect samples.
7. Use of a handheld XRF to screen samples for lead (4 days in the field).
8. Use of a Geoprobe™ to collect samples (8 days in the field).

This is a generally conservative estimate of the number of samples that would need to be collected and is based largely on the size of the former tank parcel. As the field screening process advances, concentrations may diminish, and the sample program may be truncated in any one or more directions from the tank. Conversely, the results could indicate that lead extends up to and beyond any one property line and this investigation may need to be expanded onto an abutting parcel.

With regard to the Town's obligation to report this Site and remediate it in accordance with the *Massachusetts Contingency Plan (310 CMR 40.00)*, the Town is required to investigate and remediate this Site to bring it into compliance with the conditions set forth in the MCP. However, there is an exemption in the MCP for sites that are contaminated with lead as a result of lead paint, referred to as the "point of original application" exemption (MGL 40.0317(8)(a)). Because the contamination at this Site is likely the result of the lead-based paint applied to the former tank, this Site is exempt from reporting this release to the MassDEP. While exempt from reporting, the Site still requires investigation and remediation.

After reviewing the findings presented in this letter, please do not hesitate to contact the undersigned if you have any questions or require further assistance.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Timothy P. Thies'.

Timothy P. Thies, P.E.
Senior Vice President

TPT/kji

Attachments:

- 1 - Lead Sampling Plan
- 2 - Analytical Data Table
- 3 - Analytical Laboratory Reports

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ATTACHMENT 1
Lead Sampling Plan



ATTACHMENT 1

Town of Southborough - Department of Public Works Preliminary Investigation - Former Atwood Tank Site Lead Sampling Plan (February 12, 2024)



ATWOOD STREET

PROPERTY LINE

AP 8/LOT 102

APPROX. DRIP LINE OF
FORMER ELEVATED TANK

APPROX. LOCATION OF
CONCRETE
FOUNDATION (TYP. OF 4)

T-N
T-E
T-S
T-W

APPROX. LOCATION
OF STANDPIPE
(CAPPED AT GRADE)

FIELD 1
0-6" - 26.8 mg/kg
6-12" - 9.04 mg/kg

FIELD 3
0-6" - 103 mg/kg
6-12" - 15.2 mg/kg

PL-S2
0-6" - 103 mg/kg
6-12" - 9.74 mg/kg

PL-S3
0-6" - 146 mg/kg
6-12" - 76.1 mg/kg

AP 3/LOT 41
40 ATWOOD STREET

AP 3/LOT 42
42 ATWOOD STREET

TANK DRIP LINE LEAD SAMPLE RESULTS

T-N
0-6" - 31.4 mg/kg
6-12" - 22.6 mg/kg
12-18" - 10.6 mg/kg
18-24" - 259 mg/kg

T-E
0-6" - 58.6 mg/kg
6-12" - 108 mg/kg
12-18" - 17.5 mg/kg
18-24" - 234 mg/kg

T-S
0-6" - 45.1 mg/kg
6-12" - 66.4 mg/kg
12-18" - 1,170 mg/kg
18-24" - 958 mg/kg

T-W
0-6" - 41.0 mg/kg
6-12" - 74.1 mg/kg
12-18" - 1,730 mg/kg
18-24" - 168 mg/kg

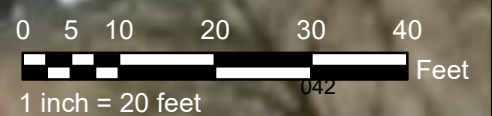
TANK DRIP LINE TCLP LEAD SAMPLE RESULTS

T-S
18-24" - 3.64 mg/L

T-W
12-18" - 40.0 mg/L
18-24" - 7.91 mg/L

LEGEND

● Sample Location



ATTACHMENT 2
Analytical Data Table



NETLAB Case Number: 4B12064		T-N 0-6"		T-N 6-12"		T-N 12-18"		T-N 18-24"		T-E 0-6"		T-E 6-12"		T-E 12-18"		T-E 18-24"		T-S 0-6"		T-S 6-12"		T-S 12-18"		T-S 18-24"		MCP Method 1 S-1 & GW-1 Standard		
Lab Sample Number:		4B12064-01		4B12064-02		4B12064-03		4B12064-04		4B12064-05		4B12064-06		4B12064-07		4B12064-08		4B12064-09		4B12064-10		4B12064-11		4B12064-12				
Date Sampled:		2/12/2024 12:05		2/12/2024 12:10		2/12/2024 12:15		2/12/2024 12:20		2/12/2024 12:25		2/12/2024 12:30		2/12/2024 12:35		2/12/2024 12:40		2/12/2024 12:45		2/12/2024 12:50		2/12/2024 12:55		2/12/2024 13:00				
Date Received:		2/12/2024 17:21		2/12/2024 17:21		2/12/2024 17:21		2/12/2024 17:21		2/12/2024 17:21		2/12/2024 17:21		2/12/2024 17:21		2/12/2024 17:21		2/12/2024 17:21		2/12/2024 17:21		2/12/2024 17:21		2/12/2024 17:21				
Parameter	CAS Number	Sample Result	Reporting Limit	Sample Result	Reporting Limit	Sample Result	Reporting Limit	Sample Result	Reporting Limit	Sample Result	Reporting Limit	Sample Result	Reporting Limit	Sample Result	Reporting Limit	Sample Result	Reporting Limit	Sample Result	Reporting Limit	Sample Result	Reporting Limit	Sample Result	Reporting Limit	Sample Result	Reporting Limit			
Polychlorinated Biphenyls (PCBs) (ug/kg)																												
Aroclor-1016	12674-11-2	ND	68	ND	66	ND	68	ND	78	ND	69	ND	70	ND	68	ND	75	ND	69	ND	72	ND	76	ND	75	see PCBs (Total)		
Aroclor-1221	11104-28-2	ND	68	ND	66	ND	68	ND	78	ND	69	ND	70	ND	68	ND	75	ND	69	ND	72	ND	76	ND	75	see PCBs (Total)		
Aroclor-1232	11141-16-5	ND	68	ND	66	ND	68	ND	78	ND	69	ND	70	ND	68	ND	75	ND	69	ND	72	ND	76	ND	75	see PCBs (Total)		
Aroclor-1242	53469-21-9	ND	68	ND	66	ND	68	ND	78	ND	69	ND	70	ND	68	ND	75	ND	69	ND	72	ND	76	ND	75	see PCBs (Total)		
Aroclor-1248	12672-29-6	ND	68	ND	66	ND	68	ND	78	ND	69	ND	70	ND	68	ND	75	ND	69	ND	72	ND	76	ND	75	see PCBs (Total)		
Aroclor-1254	11097-69-1	ND	68	ND	66	ND	68	ND	78	ND	69	ND	70	ND	68	ND	75	ND	69	ND	72	ND	76	ND	75	see PCBs (Total)		
Aroclor-1260	11096-82-5	ND	68	ND	66	ND	68	ND	78	ND	69	ND	70	ND	68	ND	75	ND	69	ND	72	ND	76	ND	75	see PCBs (Total)		
Aroclor-1262	37324-23-5	ND	68	ND	66	ND	68	ND	78	ND	69	ND	70	ND	68	ND	75	ND	69	ND	72	ND	76	ND	75	see PCBs (Total)		
Aroclor-1268	11100-14-4	ND	68	ND	66	ND	68	ND	78	ND	69	ND	70	ND	68	ND	75	ND	69	ND	72	ND	76	ND	75	see PCBs (Total)		
PCBs (Total)	1336-36-3	ND	68	ND	66	ND	68	ND	78	ND	69	ND	70	ND	68	ND	75	ND	69	ND	72	ND	76	ND	75	see PCBs (Total) 1000		
Total Metals (mg/kg)																												
Lead	7439-92-1	31.4	0.57	22.6	0.59	10.6	0.64	259	0.69	58.6	0.57	108	0.64	17.5	0.56	234	0.62	45.1	0.62	66.4	0.61	1170	0.71	958	0.62	200		
TCLP Metals (mg/L)																												
Lead	7439-92-1	NT	0.025	NT	0.025	NT	1.025	NT	0.025	NT	0.025	NT	0.025	NT	0.025	NT	0.025	NT	0.025	NT	0.025	NT	0.025	NT	0.025	3.64	0.025	-

KEY	
YELLOW	: Sample above Method Reporting Limit (MRL)
ORANGE	: Sample above MCP Method 1 S-1 & GW-1 Standard
ND	: Not Detected
NT	: Not Tested

NETLAB Case Number: 4B12064	T-W 0-6"		T-W 6-12"		T-W 12-18"		T-W 18-24"		PL-S3 0-6"		PL-S3 6-12"		PL-S2 0-6"		PL-S2 6-12"		FIELD 1 0-6"		FIELD 1 6-12"		FIELD 3 0-6"		FIELD 3 6-12"		MCP Method 1 S-1 & GW-1 Standard
Lab Sample Number: Date Sampled: Date Received:	4B12064-13 2/12/2024 13:05 2/12/2024 17:21		4B12064-14 2/12/2024 13:10 2/12/2024 17:21		4B12064-15 2/12/2024 13:15 2/12/2024 17:21		4B12064-16 2/12/2024 13:20 2/12/2024 17:21		4B12064-17 2/12/2024 13:25 2/12/2024 17:21		4B12064-18 2/12/2024 13:30 2/12/2024 17:21		4B12064-19 2/12/2024 13:40 2/12/2024 17:21		4B12064-20 2/12/2024 13:45 2/12/2024 17:21		4B12064-21 2/12/2024 13:50 2/12/2024 17:21		4B12064-22 2/12/2024 13:55 2/12/2024 17:21		4B12064-23 2/12/2024 14:00 2/12/2024 17:21		4B12064-24 2/12/2024 14:05 2/12/2024 17:21		
Parameter	Sample Result	Reporting Limit	Sample Result	Reporting Limit	Sample Result	Reporting Limit	Sample Result	Reporting Limit	Sample Result	Reporting Limit	Sample Result	Reporting Limit	Sample Result	Reporting Limit	Sample Result	Reporting Limit	Sample Result	Reporting Limit	Sample Result	Reporting Limit	Sample Result	Reporting Limit	Sample Result	Reporting Limit	
Polychlorinated Biphenyls (PCBs) (ug/kg)																									
Aroclor-1016	ND	72	ND	73	ND	74	ND	72	ND	81	ND	80	ND	90	ND	78	ND	75	ND	75	ND	79	ND	75	see PCBs (Total)
Aroclor-1221	ND	72	ND	73	ND	74	ND	72	ND	81	ND	80	ND	90	ND	78	ND	75	ND	75	ND	79	ND	75	see PCBs (Total)
Aroclor-1232	ND	72	ND	73	ND	74	ND	72	ND	81	ND	80	ND	90	ND	78	ND	75	ND	75	ND	79	ND	75	see PCBs (Total)
Aroclor-1242	ND	72	ND	73	ND	74	ND	72	ND	81	ND	80	ND	90	ND	78	ND	75	ND	75	ND	79	ND	75	see PCBs (Total)
Aroclor-1248	ND	72	ND	73	ND	74	ND	72	ND	81	ND	80	ND	90	ND	78	ND	75	ND	75	ND	79	ND	75	see PCBs (Total)
Aroclor-1254	ND	72	ND	73	ND	74	ND	72	ND	81	ND	80	ND	90	ND	78	ND	75	ND	75	ND	79	ND	75	see PCBs (Total)
Aroclor-1260	ND	72	ND	73	ND	74	ND	72	ND	81	ND	80	ND	90	ND	78	ND	75	ND	75	ND	79	ND	75	see PCBs (Total)
Aroclor-1262	ND	72	ND	73	ND	74	ND	72	ND	81	ND	80	ND	90	ND	78	ND	75	ND	75	ND	79	ND	75	see PCBs (Total)
Aroclor-1268	ND	72	ND	73	ND	74	ND	72	ND	81	ND	80	ND	90	ND	78	ND	75	ND	75	ND	79	ND	75	see PCBs (Total)
PCBs (Total)	ND	72	ND	73	ND	74	ND	72	ND	81	ND	80	ND	90	ND	78	ND	75	ND	75	ND	79	ND	75	see PCBs (Total) 1000
Total Metals (mg/kg)																									
Lead	41	0.62	74.1	0.63	1730	0.66	168	0.67	146	0.74	76.1	0.7	103	0.74	9.74	0.66	26.8	0.65	9.04	0.66	103	0.75	15.2	0.67	200
TCLP Metals (mg/L)																									
Lead	NT	0.025	NT	0.025	40	0.025	7.91	0.025	NT	0.025	NT	0.025	NT	0.025	NT	0.025	NT	0.025	NT	0.025	NT	0.025	NT	0.025	-

KEY	
YELLOW	: Sample above Method Reporting Limit (MRL)
ORANGE	: Sample above MCP Method 1 S-1 & GW-1 Standard
ND	: Not Detected
NT	: Not Tested

ATTACHMENT 3
Analytical Laboratory Reports





New England Testing Laboratory, Inc.
(401) 353-3420

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4B12064
Client Project: EP007.24 - Site Investigation at Atwood Tank

Report Date: 07-March-2024

Prepared for:

Tim Theis
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Richard Warila, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
rich.warila@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 02/12/24. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is 4B12064. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4B12064-01	T-N 0-6"	Soil	02/12/2024	02/12/2024
4B12064-02	T-N 6-12"	Soil	02/12/2024	02/12/2024
4B12064-03	T-N 12-18"	Soil	02/12/2024	02/12/2024
4B12064-04	T-N 18-24"	Soil	02/12/2024	02/12/2024
4B12064-05	T-E 0-6"	Soil	02/12/2024	02/12/2024
4B12064-06	T-E 6-12"	Soil	02/12/2024	02/12/2024
4B12064-07	T-E 12-18"	Soil	02/12/2024	02/12/2024
4B12064-08	T-E 18-24"	Soil	02/12/2024	02/12/2024
4B12064-09	T-S 0-6"	Soil	02/12/2024	02/12/2024
4B12064-10	T-S 6-12"	Soil	02/12/2024	02/12/2024
4B12064-11	T-S 12-18"	Soil	02/12/2024	02/12/2024
4B12064-12	T-S 18-24"	Soil	02/12/2024	02/12/2024
4B12064-13	T-W 0-6"	Soil	02/12/2024	02/12/2024
4B12064-14	T-W 6-12"	Soil	02/12/2024	02/12/2024
4B12064-15	T-W 12-18"	Soil	02/12/2024	02/12/2024
4B12064-16	T-W 18-24"	Soil	02/12/2024	02/12/2024
4B12064-17	PL-S3 0-6"	Soil	02/12/2024	02/12/2024
4B12064-18	PL-S3 6-12"	Soil	02/12/2024	02/12/2024
4B12064-19	PL-S2 0-6"	Soil	02/12/2024	02/12/2024
4B12064-20	PL-S2 6-12"	Soil	02/12/2024	02/12/2024
4B12064-21	FIELD 1 0-6"	Soil	02/12/2024	02/12/2024
4B12064-22	FIELD 1 6-12"	Soil	02/12/2024	02/12/2024
4B12064-23	FIELD 3 0-6"	Soil	02/12/2024	02/12/2024
4B12064-24	FIELD 3 6-12"	Soil	02/12/2024	02/12/2024

Request for Analysis

At the client's request, the analyses presented in the following table were performed on the samples submitted.

FIELD 1 0-6" (Lab Number: 4B12064-21)

Lead
PCBs

Method

EPA 6010C
EPA 8082A

FIELD 1 6-12" (Lab Number: 4B12064-22)

Lead
PCBs

Method

EPA 6010C
EPA 8082A

FIELD 3 0-6" (Lab Number: 4B12064-23)

Lead
PCBs

Method

EPA 6010C
EPA 8082A

FIELD 3 6-12" (Lab Number: 4B12064-24)

Lead
PCBs

Method

EPA 6010C
EPA 8082A

PL-S2 0-6" (Lab Number: 4B12064-19)

Lead
PCBs

Method

EPA 6010C
EPA 8082A

PL-S2 6-12" (Lab Number: 4B12064-20)

Lead
PCBs

Method

EPA 6010C
EPA 8082A

PL-S3 0-6" (Lab Number: 4B12064-17)

Lead
PCBs

Method

EPA 6010C
EPA 8082A

PL-S3 6-12" (Lab Number: 4B12064-18)

Lead
PCBs

Method

EPA 6010C
EPA 8082A

T-E 0-6" (Lab Number: 4B12064-05)

Lead
PCBs

Method

EPA 6010C
EPA 8082A

T-E 12-18" (Lab Number: 4B12064-07)

Lead

Method

EPA 6010C

Request for Analysis (continued)

T-E 12-18" (Lab Number: 4B12064-07) (continued)

PCBs

Method

EPA 8082A

T-E 18-24" (Lab Number: 4B12064-08)

Lead
PCBs

Method

EPA 6010C
EPA 8082A

T-E 6-12" (Lab Number: 4B12064-06)

Lead
PCBs

Method

EPA 6010C
EPA 8082A

T-N 0-6" (Lab Number: 4B12064-01)

Lead
PCBs

Method

EPA 6010C
EPA 8082A

T-N 12-18" (Lab Number: 4B12064-03)

Lead
PCBs

Method

EPA 6010C
EPA 8082A

T-N 18-24" (Lab Number: 4B12064-04)

Lead
PCBs

Method

EPA 6010C
EPA 8082A

T-N 6-12" (Lab Number: 4B12064-02)

Lead
PCBs

Method

EPA 6010C
EPA 8082A

T-S 0-6" (Lab Number: 4B12064-09)

Lead
PCBs

Method

EPA 6010C
EPA 8082A

T-S 12-18" (Lab Number: 4B12064-11)

Lead
PCBs

Method

EPA 6010C
EPA 8082A

T-S 18-24" (Lab Number: 4B12064-12)

Lead
PCBs
TCLP Lead

Method

EPA 6010C
EPA 8082A
EPA 6010C

T-S 6-12" (Lab Number: 4B12064-10)

Lead
PCBs

Method

EPA 6010C
EPA 8082A

Request for Analysis (continued)

T-W 0-6" (Lab Number: 4B12064-13)

Lead
PCBs

Method

EPA 6010C
EPA 8082A

T-W 12-18" (Lab Number: 4B12064-15)

Lead
PCBs
TCLP Lead

Method

EPA 6010C
EPA 8082A
EPA 6010C

T-W 18-24" (Lab Number: 4B12064-16)

Lead
PCBs
TCLP Lead

Method

EPA 6010C
EPA 8082A
EPA 6010C

T-W 6-12" (Lab Number: 4B12064-14)

Lead
PCBs

Method

EPA 6010C
EPA 8082A

Method References

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, USEPA

Case Narrative

Sample Receipt:

The samples associated with this work order were received in appropriately cooled and preserved containers. The chain of custody was adequately completed and corresponded to the samples submitted.

Exceptions: None

Analysis:

All samples were prepared and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control requirements and allowances. Results for all soil samples, unless otherwise indicated, are reported on a dry weight basis.

Exceptions: None

Results: Total Metals

Sample: T-N 0-6"
Lab Number: 4B12064-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	31.4		0.57	mg/kg	02/14/24	02/15/24

Results: Total Metals

Sample: T-N 6-12"
Lab Number: 4B12064-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	22.6		0.59	mg/kg	02/14/24	02/15/24

Results: Total Metals

Sample: T-N 12-18"
Lab Number: 4B12064-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	10.6		0.64	mg/kg	02/14/24	02/15/24

Results: Total Metals

Sample: T-N 18-24"
Lab Number: 4B12064-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	259		0.69	mg/kg	02/14/24	02/15/24

Results: Total Metals

Sample: T-E 0-6"

Lab Number: 4B12064-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	58.6		0.57	mg/kg	02/14/24	02/15/24

Results: Total Metals

Sample: T-E 6-12"

Lab Number: 4B12064-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	108		0.64	mg/kg	02/14/24	02/15/24

Results: Total Metals

Sample: T-E 12-18"

Lab Number: 4B12064-07 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	17.5		0.56	mg/kg	02/14/24	02/15/24

Results: Total Metals

Sample: T-E 18-24"

Lab Number: 4B12064-08 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	234		0.62	mg/kg	02/14/24	02/15/24

Results: Total Metals

Sample: T-S 0-6"

Lab Number: 4B12064-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	45.1		0.62	mg/kg	02/14/24	02/15/24

Results: Total Metals

Sample: T-S 6-12"

Lab Number: 4B12064-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	66.4		0.61	mg/kg	02/14/24	02/15/24

Results: Total Metals

Sample: T-S 12-18"

Lab Number: 4B12064-11 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1170		0.71	mg/kg	02/14/24	02/15/24

Results: Total Metals

Sample: T-S 18-24"

Lab Number: 4B12064-12 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	958		0.62	mg/kg	02/14/24	02/15/24

Results: Total Metals

Sample: T-W 0-6"

Lab Number: 4B12064-13 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	41.0		0.62	mg/kg	02/14/24	02/15/24

Results: Total Metals

Sample: T-W 6-12"

Lab Number: 4B12064-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	74.1		0.63	mg/kg	02/14/24	02/15/24

Results: Total Metals

Sample: T-W 12-18"

Lab Number: 4B12064-15 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1730		0.66	mg/kg	02/14/24	02/15/24

Results: Total Metals

Sample: T-W 18-24"

Lab Number: 4B12064-16 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	168		0.67	mg/kg	02/14/24	02/15/24

Results: Total Metals

Sample: PL-S3 0-6"

Lab Number: 4B12064-17 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	146		0.74	mg/kg	02/14/24	02/15/24

Results: Total Metals

Sample: PL-S3 6-12"
Lab Number: 4B12064-18 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	76.1		0.70	mg/kg	02/14/24	02/15/24

Results: Total Metals

Sample: PL-S2 0-6"
Lab Number: 4B12064-19 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	103		0.74	mg/kg	02/14/24	02/16/24

Results: Total Metals

Sample: PL-S2 6-12"
Lab Number: 4B12064-20 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	9.74		0.66	mg/kg	02/14/24	02/16/24

Results: Total Metals

Sample: FIELD 1 0-6"
Lab Number: 4B12064-21 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	26.8		0.65	mg/kg	02/14/24	02/16/24

Results: Total Metals

Sample: FIELD 1 6-12"
Lab Number: 4B12064-22 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	9.04		0.66	mg/kg	02/14/24	02/16/24

Results: Total Metals

Sample: FIELD 3 0-6"
Lab Number: 4B12064-23 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	103		0.75	mg/kg	02/14/24	02/16/24

Results: Total Metals

Sample: FIELD 3 6-12"
Lab Number: 4B12064-24 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	15.2		0.67	mg/kg	02/14/24	02/16/24

Results: Polychlorinated Biphenyls (PCBs)

Sample: T-N 0-6"

Lab Number: 4B12064-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Aroclor-1016	ND		68	ug/kg	02/16/24	02/17/24
Aroclor-1221	ND		68	ug/kg	02/16/24	02/17/24
Aroclor-1232	ND		68	ug/kg	02/16/24	02/17/24
Aroclor-1242	ND		68	ug/kg	02/16/24	02/17/24
Aroclor-1248	ND		68	ug/kg	02/16/24	02/17/24
Aroclor-1254	ND		68	ug/kg	02/16/24	02/17/24
Aroclor-1260	ND		68	ug/kg	02/16/24	02/17/24
Aroclor-1262	ND		68	ug/kg	02/16/24	02/17/24
Aroclor-1268	ND		68	ug/kg	02/16/24	02/17/24
PCBs (Total)	ND		68	ug/kg	02/16/24	02/17/24
Surrogate(s)	Recovery%		Limits			
<i>2,4,5,6-Tetrachloro-m-xylene (TCMX)</i>	<i>90.1%</i>		<i>36.2-130</i>		02/16/24	02/17/24
<i>Decachlorobiphenyl (DCBP)</i>	<i>64.0%</i>		<i>43.3-130</i>		02/16/24	02/17/24

Results: Polychlorinated Biphenyls (PCBs)

Sample: T-N 6-12"

Lab Number: 4B12064-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Aroclor-1016	ND		66	ug/kg	02/16/24	02/17/24
Aroclor-1221	ND		66	ug/kg	02/16/24	02/17/24
Aroclor-1232	ND		66	ug/kg	02/16/24	02/17/24
Aroclor-1242	ND		66	ug/kg	02/16/24	02/17/24
Aroclor-1248	ND		66	ug/kg	02/16/24	02/17/24
Aroclor-1254	ND		66	ug/kg	02/16/24	02/17/24
Aroclor-1260	ND		66	ug/kg	02/16/24	02/17/24
Aroclor-1262	ND		66	ug/kg	02/16/24	02/17/24
Aroclor-1268	ND		66	ug/kg	02/16/24	02/17/24
PCBs (Total)	ND		66	ug/kg	02/16/24	02/17/24
Surrogate(s)	Recovery%		Limits			
<i>2,4,5,6-Tetrachloro-m-xylene (TCMX)</i>	78.6%		36.2-130		02/16/24	02/17/24
<i>Decachlorobiphenyl (DCBP)</i>	62.9%		43.3-130		02/16/24	02/17/24

Results: Polychlorinated Biphenyls (PCBs)

Sample: T-N 12-18"

Lab Number: 4B12064-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Aroclor-1016	ND		68	ug/kg	02/16/24	02/17/24
Aroclor-1221	ND		68	ug/kg	02/16/24	02/17/24
Aroclor-1232	ND		68	ug/kg	02/16/24	02/17/24
Aroclor-1242	ND		68	ug/kg	02/16/24	02/17/24
Aroclor-1248	ND		68	ug/kg	02/16/24	02/17/24
Aroclor-1254	ND		68	ug/kg	02/16/24	02/17/24
Aroclor-1260	ND		68	ug/kg	02/16/24	02/17/24
Aroclor-1262	ND		68	ug/kg	02/16/24	02/17/24
Aroclor-1268	ND		68	ug/kg	02/16/24	02/17/24
PCBs (Total)	ND		68	ug/kg	02/16/24	02/17/24
Surrogate(s)	Recovery%		Limits			
<i>2,4,5,6-Tetrachloro-m-xylene (TCMX)</i>	88.3%		36.2-130		02/16/24	02/17/24
<i>Decachlorobiphenyl (DCBP)</i>	58.8%		43.3-130		02/16/24	02/17/24

Results: Polychlorinated Biphenyls (PCBs)

Sample: T-N 18-24''

Lab Number: 4B12064-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Aroclor-1016	ND		78	ug/kg	02/16/24	02/17/24
Aroclor-1221	ND		78	ug/kg	02/16/24	02/17/24
Aroclor-1232	ND		78	ug/kg	02/16/24	02/17/24
Aroclor-1242	ND		78	ug/kg	02/16/24	02/17/24
Aroclor-1248	ND		78	ug/kg	02/16/24	02/17/24
Aroclor-1254	ND		78	ug/kg	02/16/24	02/17/24
Aroclor-1260	ND		78	ug/kg	02/16/24	02/17/24
Aroclor-1262	ND		78	ug/kg	02/16/24	02/17/24
Aroclor-1268	ND		78	ug/kg	02/16/24	02/17/24
PCBs (Total)	ND		78	ug/kg	02/16/24	02/17/24
Surrogate(s)	Recovery%		Limits			
<i>2,4,5,6-Tetrachloro-m-xylene (TCMX)</i>	<i>84.4%</i>		<i>36.2-130</i>		02/16/24	02/17/24
<i>Decachlorobiphenyl (DCBP)</i>	<i>61.4%</i>		<i>43.3-130</i>		02/16/24	02/17/24

Results: Polychlorinated Biphenyls (PCBs)

Sample: T-E 0-6"

Lab Number: 4B12064-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Aroclor-1016	ND		69	ug/kg	02/16/24	02/17/24
Aroclor-1221	ND		69	ug/kg	02/16/24	02/17/24
Aroclor-1232	ND		69	ug/kg	02/16/24	02/17/24
Aroclor-1242	ND		69	ug/kg	02/16/24	02/17/24
Aroclor-1248	ND		69	ug/kg	02/16/24	02/17/24
Aroclor-1254	ND		69	ug/kg	02/16/24	02/17/24
Aroclor-1260	ND		69	ug/kg	02/16/24	02/17/24
Aroclor-1262	ND		69	ug/kg	02/16/24	02/17/24
Aroclor-1268	ND		69	ug/kg	02/16/24	02/17/24
PCBs (Total)	ND		69	ug/kg	02/16/24	02/17/24
Surrogate(s)	Recovery%		Limits			
<i>2,4,5,6-Tetrachloro-m-xylene (TCMX)</i>	68.6%		36.2-130		02/16/24	02/17/24
<i>Decachlorobiphenyl (DCBP)</i>	53.9%		43.3-130		02/16/24	02/17/24

Results: Polychlorinated Biphenyls (PCBs)**Sample: T-E 6-12"****Lab Number: 4B12064-06 (Soil)**

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Aroclor-1016	ND		70	ug/kg	02/16/24	02/17/24
Aroclor-1221	ND		70	ug/kg	02/16/24	02/17/24
Aroclor-1232	ND		70	ug/kg	02/16/24	02/17/24
Aroclor-1242	ND		70	ug/kg	02/16/24	02/17/24
Aroclor-1248	ND		70	ug/kg	02/16/24	02/17/24
Aroclor-1254	ND		70	ug/kg	02/16/24	02/17/24
Aroclor-1260	ND		70	ug/kg	02/16/24	02/17/24
Aroclor-1262	ND		70	ug/kg	02/16/24	02/17/24
Aroclor-1268	ND		70	ug/kg	02/16/24	02/17/24
PCBs (Total)	ND		70	ug/kg	02/16/24	02/17/24
Surrogate(s)	Recovery%		Limits			
<i>2,4,5,6-Tetrachloro-m-xylene (TCMX)</i>	70.6%		36.2-130		02/16/24	02/17/24
<i>Decachlorobiphenyl (DCBP)</i>	63.7%		43.3-130		02/16/24	02/17/24

Results: Polychlorinated Biphenyls (PCBs)**Sample: T-E 12-18"****Lab Number: 4B12064-07 (Soil)**

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Aroclor-1016	ND		68	ug/kg	02/16/24	02/17/24
Aroclor-1221	ND		68	ug/kg	02/16/24	02/17/24
Aroclor-1232	ND		68	ug/kg	02/16/24	02/17/24
Aroclor-1242	ND		68	ug/kg	02/16/24	02/17/24
Aroclor-1248	ND		68	ug/kg	02/16/24	02/17/24
Aroclor-1254	ND		68	ug/kg	02/16/24	02/17/24
Aroclor-1260	ND		68	ug/kg	02/16/24	02/17/24
Aroclor-1262	ND		68	ug/kg	02/16/24	02/17/24
Aroclor-1268	ND		68	ug/kg	02/16/24	02/17/24
PCBs (Total)	ND		68	ug/kg	02/16/24	02/17/24
Surrogate(s)	Recovery%		Limits			
<i>2,4,5,6-Tetrachloro-m-xylene (TCMX)</i>	73.3%		36.2-130		02/16/24	02/17/24
<i>Decachlorobiphenyl (DCBP)</i>	54.8%		43.3-130		02/16/24	02/17/24

Results: Polychlorinated Biphenyls (PCBs)

Sample: T-E 18-24"

Lab Number: 4B12064-08 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Aroclor-1016	ND		75	ug/kg	02/16/24	02/17/24
Aroclor-1221	ND		75	ug/kg	02/16/24	02/17/24
Aroclor-1232	ND		75	ug/kg	02/16/24	02/17/24
Aroclor-1242	ND		75	ug/kg	02/16/24	02/17/24
Aroclor-1248	ND		75	ug/kg	02/16/24	02/17/24
Aroclor-1254	ND		75	ug/kg	02/16/24	02/17/24
Aroclor-1260	ND		75	ug/kg	02/16/24	02/17/24
Aroclor-1262	ND		75	ug/kg	02/16/24	02/17/24
Aroclor-1268	ND		75	ug/kg	02/16/24	02/17/24
PCBs (Total)	ND		75	ug/kg	02/16/24	02/17/24
Surrogate(s)	Recovery%		Limits			
<i>2,4,5,6-Tetrachloro-m-xylene (TCMX)</i>	86.6%		36.2-130		02/16/24	02/17/24
<i>Decachlorobiphenyl (DCBP)</i>	59.1%		43.3-130		02/16/24	02/17/24

Results: Polychlorinated Biphenyls (PCBs)

Sample: T-S 0-6"

Lab Number: 4B12064-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Aroclor-1016	ND		69	ug/kg	02/16/24	02/17/24
Aroclor-1221	ND		69	ug/kg	02/16/24	02/17/24
Aroclor-1232	ND		69	ug/kg	02/16/24	02/17/24
Aroclor-1242	ND		69	ug/kg	02/16/24	02/17/24
Aroclor-1248	ND		69	ug/kg	02/16/24	02/17/24
Aroclor-1254	ND		69	ug/kg	02/16/24	02/17/24
Aroclor-1260	ND		69	ug/kg	02/16/24	02/17/24
Aroclor-1262	ND		69	ug/kg	02/16/24	02/17/24
Aroclor-1268	ND		69	ug/kg	02/16/24	02/17/24
PCBs (Total)	ND		69	ug/kg	02/16/24	02/17/24
Surrogate(s)	Recovery%		Limits			
<i>2,4,5,6-Tetrachloro-m-xylene (TCMX)</i>	70.2%		36.2-130		02/16/24	02/17/24
<i>Decachlorobiphenyl (DCBP)</i>	50.2%		43.3-130		02/16/24	02/17/24

Results: Polychlorinated Biphenyls (PCBs)

Sample: T-S 6-12"

Lab Number: 4B12064-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Aroclor-1016	ND		72	ug/kg	02/20/24	02/21/24
Aroclor-1221	ND		72	ug/kg	02/20/24	02/21/24
Aroclor-1232	ND		72	ug/kg	02/20/24	02/21/24
Aroclor-1242	ND		72	ug/kg	02/20/24	02/21/24
Aroclor-1248	ND		72	ug/kg	02/20/24	02/21/24
Aroclor-1254	ND		72	ug/kg	02/20/24	02/21/24
Aroclor-1260	ND		72	ug/kg	02/20/24	02/21/24
Aroclor-1262	ND		72	ug/kg	02/20/24	02/21/24
Aroclor-1268	ND		72	ug/kg	02/20/24	02/21/24
PCBs (Total)	ND		72	ug/kg	02/20/24	02/21/24
Surrogate(s)	Recovery%		Limits			
<i>2,4,5,6-Tetrachloro-m-xylene (TCMX)</i>	63.6%		36.2-130		02/20/24	02/21/24
<i>Decachlorobiphenyl (DCBP)</i>	64.6%		43.3-130		02/20/24	02/21/24

Results: Polychlorinated Biphenyls (PCBs)

Sample: T-S 12-18"

Lab Number: 4B12064-11 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Aroclor-1016	ND		76	ug/kg	02/20/24	02/21/24
Aroclor-1221	ND		76	ug/kg	02/20/24	02/21/24
Aroclor-1232	ND		76	ug/kg	02/20/24	02/21/24
Aroclor-1242	ND		76	ug/kg	02/20/24	02/21/24
Aroclor-1248	ND		76	ug/kg	02/20/24	02/21/24
Aroclor-1254	ND		76	ug/kg	02/20/24	02/21/24
Aroclor-1260	ND		76	ug/kg	02/20/24	02/21/24
Aroclor-1262	ND		76	ug/kg	02/20/24	02/21/24
Aroclor-1268	ND		76	ug/kg	02/20/24	02/21/24
PCBs (Total)	ND		76	ug/kg	02/20/24	02/21/24
Surrogate(s)	Recovery%		Limits			
<i>2,4,5,6-Tetrachloro-m-xylene (TCMX)</i>	62.1%		36.2-130		02/20/24	02/21/24
<i>Decachlorobiphenyl (DCBP)</i>	51.8%		43.3-130		02/20/24	02/21/24

Results: Polychlorinated Biphenyls (PCBs)

Sample: T-S 18-24"

Lab Number: 4B12064-12 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Aroclor-1016	ND		75	ug/kg	02/20/24	02/21/24
Aroclor-1221	ND		75	ug/kg	02/20/24	02/21/24
Aroclor-1232	ND		75	ug/kg	02/20/24	02/21/24
Aroclor-1242	ND		75	ug/kg	02/20/24	02/21/24
Aroclor-1248	ND		75	ug/kg	02/20/24	02/21/24
Aroclor-1254	ND		75	ug/kg	02/20/24	02/21/24
Aroclor-1260	ND		75	ug/kg	02/20/24	02/21/24
Aroclor-1262	ND		75	ug/kg	02/20/24	02/21/24
Aroclor-1268	ND		75	ug/kg	02/20/24	02/21/24
PCBs (Total)	ND		75	ug/kg	02/20/24	02/21/24
Surrogate(s)	Recovery%		Limits			
<i>2,4,5,6-Tetrachloro-m-xylene (TCMX)</i>	74.4%		36.2-130		02/20/24	02/21/24
<i>Decachlorobiphenyl (DCBP)</i>	63.1%		43.3-130		02/20/24	02/21/24

Results: Polychlorinated Biphenyls (PCBs)

Sample: T-W 0-6"

Lab Number: 4B12064-13 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Aroclor-1016	ND		72	ug/kg	02/20/24	02/21/24
Aroclor-1221	ND		72	ug/kg	02/20/24	02/21/24
Aroclor-1232	ND		72	ug/kg	02/20/24	02/21/24
Aroclor-1242	ND		72	ug/kg	02/20/24	02/21/24
Aroclor-1248	ND		72	ug/kg	02/20/24	02/21/24
Aroclor-1254	ND		72	ug/kg	02/20/24	02/21/24
Aroclor-1260	ND		72	ug/kg	02/20/24	02/21/24
Aroclor-1262	ND		72	ug/kg	02/20/24	02/21/24
Aroclor-1268	ND		72	ug/kg	02/20/24	02/21/24
PCBs (Total)	ND		72	ug/kg	02/20/24	02/21/24
Surrogate(s)	Recovery%		Limits			
<i>2,4,5,6-Tetrachloro-m-xylene (TCMX)</i>	<i>51.1%</i>		<i>36.2-130</i>		02/20/24	02/21/24
<i>Decachlorobiphenyl (DCBP)</i>	<i>60.8%</i>		<i>43.3-130</i>		02/20/24	02/21/24

Results: Polychlorinated Biphenyls (PCBs)

Sample: T-W 6-12"

Lab Number: 4B12064-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Aroclor-1016	ND		73	ug/kg	02/20/24	02/21/24
Aroclor-1221	ND		73	ug/kg	02/20/24	02/21/24
Aroclor-1232	ND		73	ug/kg	02/20/24	02/21/24
Aroclor-1242	ND		73	ug/kg	02/20/24	02/21/24
Aroclor-1248	ND		73	ug/kg	02/20/24	02/21/24
Aroclor-1254	ND		73	ug/kg	02/20/24	02/21/24
Aroclor-1260	ND		73	ug/kg	02/20/24	02/21/24
Aroclor-1262	ND		73	ug/kg	02/20/24	02/21/24
Aroclor-1268	ND		73	ug/kg	02/20/24	02/21/24
PCBs (Total)	ND		73	ug/kg	02/20/24	02/21/24
Surrogate(s)	Recovery%		Limits			
<i>2,4,5,6-Tetrachloro-m-xylene (TCMX)</i>	57.3%		36.2-130		02/20/24	02/21/24
<i>Decachlorobiphenyl (DCBP)</i>	56.9%		43.3-130		02/20/24	02/21/24

Results: Polychlorinated Biphenyls (PCBs)

Sample: T-W 12-18"

Lab Number: 4B12064-15 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Aroclor-1016	ND		74	ug/kg	02/20/24	02/21/24
Aroclor-1221	ND		74	ug/kg	02/20/24	02/21/24
Aroclor-1232	ND		74	ug/kg	02/20/24	02/21/24
Aroclor-1242	ND		74	ug/kg	02/20/24	02/21/24
Aroclor-1248	ND		74	ug/kg	02/20/24	02/21/24
Aroclor-1254	ND		74	ug/kg	02/20/24	02/21/24
Aroclor-1260	ND		74	ug/kg	02/20/24	02/21/24
Aroclor-1262	ND		74	ug/kg	02/20/24	02/21/24
Aroclor-1268	ND		74	ug/kg	02/20/24	02/21/24
PCBs (Total)	ND		74	ug/kg	02/20/24	02/21/24
Surrogate(s)	Recovery%		Limits			
<i>2,4,5,6-Tetrachloro-m-xylene (TCMX)</i>	78.6%		36.2-130		02/20/24	02/21/24
<i>Decachlorobiphenyl (DCBP)</i>	64.2%		43.3-130		02/20/24	02/21/24

Results: Polychlorinated Biphenyls (PCBs)

Sample: T-W 18-24"

Lab Number: 4B12064-16 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Aroclor-1016	ND		72	ug/kg	02/20/24	02/21/24
Aroclor-1221	ND		72	ug/kg	02/20/24	02/21/24
Aroclor-1232	ND		72	ug/kg	02/20/24	02/21/24
Aroclor-1242	ND		72	ug/kg	02/20/24	02/21/24
Aroclor-1248	ND		72	ug/kg	02/20/24	02/21/24
Aroclor-1254	ND		72	ug/kg	02/20/24	02/21/24
Aroclor-1260	ND		72	ug/kg	02/20/24	02/21/24
Aroclor-1262	ND		72	ug/kg	02/20/24	02/21/24
Aroclor-1268	ND		72	ug/kg	02/20/24	02/21/24
PCBs (Total)	ND		72	ug/kg	02/20/24	02/21/24
Surrogate(s)	Recovery%		Limits			
<i>2,4,5,6-Tetrachloro-m-xylene (TCMX)</i>	85.0%		36.2-130		02/20/24	02/21/24
<i>Decachlorobiphenyl (DCBP)</i>	66.1%		43.3-130		02/20/24	02/21/24

Results: Polychlorinated Biphenyls (PCBs)

Sample: PL-S3 0-6"

Lab Number: 4B12064-17 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Aroclor-1016	ND		81	ug/kg	02/20/24	02/21/24
Aroclor-1221	ND		81	ug/kg	02/20/24	02/21/24
Aroclor-1232	ND		81	ug/kg	02/20/24	02/21/24
Aroclor-1242	ND		81	ug/kg	02/20/24	02/21/24
Aroclor-1248	ND		81	ug/kg	02/20/24	02/21/24
Aroclor-1254	ND		81	ug/kg	02/20/24	02/21/24
Aroclor-1260	ND		81	ug/kg	02/20/24	02/21/24
Aroclor-1262	ND		81	ug/kg	02/20/24	02/21/24
Aroclor-1268	ND		81	ug/kg	02/20/24	02/21/24
PCBs (Total)	ND		81	ug/kg	02/20/24	02/21/24
Surrogate(s)	Recovery%		Limits			
<i>2,4,5,6-Tetrachloro-m-xylene (TCMX)</i>	62.9%		36.2-130		02/20/24	02/21/24
<i>Decachlorobiphenyl (DCBP)</i>	51.5%		43.3-130		02/20/24	02/21/24

Results: Polychlorinated Biphenyls (PCBs)

Sample: PL-S3 6-12"

Lab Number: 4B12064-18 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Aroclor-1016	ND		80	ug/kg	02/20/24	02/21/24
Aroclor-1221	ND		80	ug/kg	02/20/24	02/21/24
Aroclor-1232	ND		80	ug/kg	02/20/24	02/21/24
Aroclor-1242	ND		80	ug/kg	02/20/24	02/21/24
Aroclor-1248	ND		80	ug/kg	02/20/24	02/21/24
Aroclor-1254	ND		80	ug/kg	02/20/24	02/21/24
Aroclor-1260	ND		80	ug/kg	02/20/24	02/21/24
Aroclor-1262	ND		80	ug/kg	02/20/24	02/21/24
Aroclor-1268	ND		80	ug/kg	02/20/24	02/21/24
PCBs (Total)	ND		80	ug/kg	02/20/24	02/21/24
Surrogate(s)	Recovery%		Limits			
<i>2,4,5,6-Tetrachloro-m-xylene (TCMX)</i>	54.1%		36.2-130		02/20/24	02/21/24
<i>Decachlorobiphenyl (DCBP)</i>	49.5%		43.3-130		02/20/24	02/21/24

Results: Polychlorinated Biphenyls (PCBs)

Sample: PL-S2 0-6"

Lab Number: 4B12064-19 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Aroclor-1016	ND		90	ug/kg	02/20/24	02/21/24
Aroclor-1221	ND		90	ug/kg	02/20/24	02/21/24
Aroclor-1232	ND		90	ug/kg	02/20/24	02/21/24
Aroclor-1242	ND		90	ug/kg	02/20/24	02/21/24
Aroclor-1248	ND		90	ug/kg	02/20/24	02/21/24
Aroclor-1254	ND		90	ug/kg	02/20/24	02/21/24
Aroclor-1260	ND		90	ug/kg	02/20/24	02/21/24
Aroclor-1262	ND		90	ug/kg	02/20/24	02/21/24
Aroclor-1268	ND		90	ug/kg	02/20/24	02/21/24
PCBs (Total)	ND		90	ug/kg	02/20/24	02/21/24
Surrogate(s)	Recovery%		Limits			
<i>2,4,5,6-Tetrachloro-m-xylene (TCMX)</i>	61.9%		36.2-130		02/20/24	02/21/24
<i>Decachlorobiphenyl (DCBP)</i>	45.7%		43.3-130		02/20/24	02/21/24

Results: Polychlorinated Biphenyls (PCBs)

Sample: PL-S2 6-12"

Lab Number: 4B12064-20 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Aroclor-1016	ND		78	ug/kg	02/20/24	02/21/24
Aroclor-1221	ND		78	ug/kg	02/20/24	02/21/24
Aroclor-1232	ND		78	ug/kg	02/20/24	02/21/24
Aroclor-1242	ND		78	ug/kg	02/20/24	02/21/24
Aroclor-1248	ND		78	ug/kg	02/20/24	02/21/24
Aroclor-1254	ND		78	ug/kg	02/20/24	02/21/24
Aroclor-1260	ND		78	ug/kg	02/20/24	02/21/24
Aroclor-1262	ND		78	ug/kg	02/20/24	02/21/24
Aroclor-1268	ND		78	ug/kg	02/20/24	02/21/24
PCBs (Total)	ND		78	ug/kg	02/20/24	02/21/24
Surrogate(s)	Recovery%		Limits			
<i>2,4,5,6-Tetrachloro-m-xylene (TCMX)</i>	64.3%		36.2-130		02/20/24	02/21/24
<i>Decachlorobiphenyl (DCBP)</i>	52.3%		43.3-130		02/20/24	02/21/24

Results: Polychlorinated Biphenyls (PCBs)

Sample: FIELD 1 0-6"

Lab Number: 4B12064-21 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Aroclor-1016	ND		75	ug/kg	02/20/24	02/21/24
Aroclor-1221	ND		75	ug/kg	02/20/24	02/21/24
Aroclor-1232	ND		75	ug/kg	02/20/24	02/21/24
Aroclor-1242	ND		75	ug/kg	02/20/24	02/21/24
Aroclor-1248	ND		75	ug/kg	02/20/24	02/21/24
Aroclor-1254	ND		75	ug/kg	02/20/24	02/21/24
Aroclor-1260	ND		75	ug/kg	02/20/24	02/21/24
Aroclor-1262	ND		75	ug/kg	02/20/24	02/21/24
Aroclor-1268	ND		75	ug/kg	02/20/24	02/21/24
PCBs (Total)	ND		75	ug/kg	02/20/24	02/21/24
Surrogate(s)	Recovery%		Limits			
<i>2,4,5,6-Tetrachloro-m-xylene (TCMX)</i>	70.8%		36.2-130		02/20/24	02/21/24
<i>Decachlorobiphenyl (DCBP)</i>	62.8%		43.3-130		02/20/24	02/21/24

Results: Polychlorinated Biphenyls (PCBs)**Sample: FIELD 1 6-12"****Lab Number: 4B12064-22 (Soil)**

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Aroclor-1016	ND		75	ug/kg	02/20/24	02/21/24
Aroclor-1221	ND		75	ug/kg	02/20/24	02/21/24
Aroclor-1232	ND		75	ug/kg	02/20/24	02/21/24
Aroclor-1242	ND		75	ug/kg	02/20/24	02/21/24
Aroclor-1248	ND		75	ug/kg	02/20/24	02/21/24
Aroclor-1254	ND		75	ug/kg	02/20/24	02/21/24
Aroclor-1260	ND		75	ug/kg	02/20/24	02/21/24
Aroclor-1262	ND		75	ug/kg	02/20/24	02/21/24
Aroclor-1268	ND		75	ug/kg	02/20/24	02/21/24
PCBs (Total)	ND		75	ug/kg	02/20/24	02/21/24
Surrogate(s)	Recovery%		Limits			
<i>2,4,5,6-Tetrachloro-m-xylene (TCMX)</i>	71.1%		36.2-130		02/20/24	02/21/24
<i>Decachlorobiphenyl (DCBP)</i>	57.7%		43.3-130		02/20/24	02/21/24

Results: Polychlorinated Biphenyls (PCBs)

Sample: FIELD 3 0-6"

Lab Number: 4B12064-23 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Aroclor-1016	ND		79	ug/kg	02/20/24	02/21/24
Aroclor-1221	ND		79	ug/kg	02/20/24	02/21/24
Aroclor-1232	ND		79	ug/kg	02/20/24	02/21/24
Aroclor-1242	ND		79	ug/kg	02/20/24	02/21/24
Aroclor-1248	ND		79	ug/kg	02/20/24	02/21/24
Aroclor-1254	ND		79	ug/kg	02/20/24	02/21/24
Aroclor-1260	ND		79	ug/kg	02/20/24	02/21/24
Aroclor-1262	ND		79	ug/kg	02/20/24	02/21/24
Aroclor-1268	ND		79	ug/kg	02/20/24	02/21/24
PCBs (Total)	ND		79	ug/kg	02/20/24	02/21/24
Surrogate(s)	Recovery%		Limits			
<i>2,4,5,6-Tetrachloro-m-xylene (TCMX)</i>	78.1%		36.2-130		02/20/24	02/21/24
<i>Decachlorobiphenyl (DCBP)</i>	67.1%		43.3-130		02/20/24	02/21/24

Results: Polychlorinated Biphenyls (PCBs)

Sample: FIELD 3 6-12"

Lab Number: 4B12064-24 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Aroclor-1016	ND		75	ug/kg	02/20/24	02/21/24
Aroclor-1221	ND		75	ug/kg	02/20/24	02/21/24
Aroclor-1232	ND		75	ug/kg	02/20/24	02/21/24
Aroclor-1242	ND		75	ug/kg	02/20/24	02/21/24
Aroclor-1248	ND		75	ug/kg	02/20/24	02/21/24
Aroclor-1254	ND		75	ug/kg	02/20/24	02/21/24
Aroclor-1260	ND		75	ug/kg	02/20/24	02/21/24
Aroclor-1262	ND		75	ug/kg	02/20/24	02/21/24
Aroclor-1268	ND		75	ug/kg	02/20/24	02/21/24
PCBs (Total)	ND		75	ug/kg	02/20/24	02/21/24
Surrogate(s)	Recovery%		Limits			
<i>2,4,5,6-Tetrachloro-m-xylene (TCMX)</i>	77.9%		36.2-130		02/20/24	02/21/24
<i>Decachlorobiphenyl (DCBP)</i>	65.2%		43.3-130		02/20/24	02/21/24

Results: TCLP Metals

Sample: T-S 18-24"

Lab Number: 4B12064-12 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	3.64		0.025	mg/L	02/29/24	02/29/24

Results: TCLP Metals

Sample: T-W 12-18"

Lab Number: 4B12064-15 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	40.0		0.025	mg/L	02/29/24	03/07/24

Results: TCLP Metals

Sample: T-W 18-24"

Lab Number: 4B12064-16 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	7.91		0.025	mg/L	02/29/24	02/29/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4B0578 - Metals Digestion Soils										
Blank (B4B0578-BLK1)										
Lead	ND		0.50	mg/kg						Prepared & Analyzed: 02/14/24
LCS (B4B0578-BS1)										
Lead	95.0		0.50	mg/kg	100		95.0	85-115		

Quality Control
(Continued)

Polychlorinated Biphenyls (PCBs)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4B0701 - 1_Semivolatiles Extractions										
Blank (B4B0701-BLK1)										
					Prepared: 02/16/24 Analyzed: 02/17/24					
Aroclor-1016	ND		66	ug/kg						
Aroclor-1221	ND		66	ug/kg						
Aroclor-1232	ND		66	ug/kg						
Aroclor-1242	ND		66	ug/kg						
Aroclor-1248	ND		66	ug/kg						
Aroclor-1254	ND		66	ug/kg						
Aroclor-1260	ND		66	ug/kg						
Aroclor-1262	ND		66	ug/kg						
Aroclor-1268	ND		66	ug/kg						
PCBs (Total)	ND		66	ug/kg						

Surrogate: 2,4,5,6-Tetrachloro-m-xylene (TCMX)			12.1	ug/kg	13.3		90.7	36.2-130		
Surrogate: Decachlorobiphenyl (DCBP)			11.8	ug/kg	13.3		88.7	43.3-130		
LCS (B4B0701-BS1)										
					Prepared: 02/16/24 Analyzed: 02/17/24					
Aroclor-1016	170		66	ug/kg	167		102	58.2-125		
Aroclor-1260	200		66	ug/kg	167		120	65.5-130		

Surrogate: 2,4,5,6-Tetrachloro-m-xylene (TCMX)			11.6	ug/kg	13.3		87.1	36.2-130		
Surrogate: Decachlorobiphenyl (DCBP)			12.3	ug/kg	13.3		92.1	43.3-130		
LCS Dup (B4B0701-BSD1)										
					Prepared: 02/16/24 Analyzed: 02/17/24					
Aroclor-1016	165		66	ug/kg	167		99.2	58.2-125	3.03	20
Aroclor-1260	184		66	ug/kg	167		110	65.5-130	8.39	20

Surrogate: 2,4,5,6-Tetrachloro-m-xylene (TCMX)			11.3	ug/kg	13.3		85.0	36.2-130		
Surrogate: Decachlorobiphenyl (DCBP)			11.4	ug/kg	13.3		85.7	43.3-130		
Batch: B4B0795 - 1_Semivolatiles Extractions										
Blank (B4B0795-BLK1)										
					Prepared: 02/20/24 Analyzed: 02/21/24					
Aroclor-1016	ND		66	ug/kg						
Aroclor-1221	ND		66	ug/kg						
Aroclor-1232	ND		66	ug/kg						
Aroclor-1242	ND		66	ug/kg						
Aroclor-1248	ND		66	ug/kg						
Aroclor-1254	ND		66	ug/kg						
Aroclor-1260	ND		66	ug/kg						
Aroclor-1262	ND		66	ug/kg						
Aroclor-1268	ND		66	ug/kg						
PCBs (Total)	ND		66	ug/kg						

Surrogate: 2,4,5,6-Tetrachloro-m-xylene (TCMX)			10.8	ug/kg	13.3		80.9	36.2-130		
Surrogate: Decachlorobiphenyl (DCBP)			9.06	ug/kg	13.3		68.0	43.3-130		

Quality Control
(Continued)

Polychlorinated Biphenyls (PCBs) (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4B0795 - 1_Semivolatiles Extractions (Continued)										
LCS (B4B0795-BS1)										
					Prepared: 02/20/24 Analyzed: 02/21/24					
Aroclor-1016	162		66	ug/kg	167		97.4	58.2-125		
Aroclor-1260	165		66	ug/kg	167		99.0	65.5-130		

Surrogate: 2,4,5,6-Tetrachloro-m-xylene (TCMX)			10.9	ug/kg	13.3		82.0	36.2-130		
Surrogate: Decachlorobiphenyl (DCBP)			9.40	ug/kg	13.3		70.5	43.3-130		

LCS Dup (B4B0795-BSD1)										
					Prepared: 02/20/24 Analyzed: 02/21/24					
Aroclor-1016	164		66	ug/kg	167		98.2	58.2-125	0.834	20
Aroclor-1260	151		66	ug/kg	167		90.8	65.5-130	8.72	20

Surrogate: 2,4,5,6-Tetrachloro-m-xylene (TCMX)			10.6	ug/kg	13.3		79.4	36.2-130		
Surrogate: Decachlorobiphenyl (DCBP)			8.83	ug/kg	13.3		66.2	43.3-130		

Quality Control
(Continued)

TCLP Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4B1229 - Metals Digestion Waters										
LCS (B4B1229-BS1)										
Lead	0.937		0.005	mg/L	1.00		93.7	85-115		
Leach Fluid Blank (B4B1229-LBK1)										
Lead	ND		0.005	mg/L						

Notes and Definitions

Item	Definition
Wet	Sample results reported on a wet weight basis.
ND	Analyte NOT DETECTED at or above the reporting limit.

NEW ENGLAND TESTING LABORATORY, INC.
 59 Greenhill Street
 West Warwick, RI 02893
 1-888-863-8522

CHAIN OF CUSTODY RECORD



PROJ. NO.		PROJECT NAME/LOCATION		AQUEOUS	SOIL	OTHER	NO. OF CONTAINERS	PRESERVATIVE	TESTS*				REMARKS				
E2007.24		Site Investigation at Atwood Tank Site							Total Lead	EPA 6010	PCBs	EPA 8082A					
CLIENT		Pure Corp.															
REPORT TO: thies@purecorp.com msp@purecorp.com		INVOICE TO: thies@purecorp.com															
2/12/24	12:05	X					1	•	N/A	X	X						
	12:10							•									
	12:15							•									
	12:20							•									
	12:25							•									
	12:30							•									
	12:35							•									
	12:40							•									
	12:45							•									
	12:50							•									
	12:55							•									
	1:00							•									
	1:05							•									
	1:10							•									
Sampled by: (Signature)		Date/Time	Received by: (Signature)		Date/Time	Laboratory Remarks:		Special Instructions:									
		2/12/24 2:05				Temp. received: _____		List Specific Detection									
Relinquished by: (Signature)		Date/Time	Received by: (Signature)		Date/Time	Cooled <input type="checkbox"/>		Limit Requirements:									
		2/12/24 5:08															
Relinquished by: (Signature)		Date/Time	Received for Laboratory by: (Signature)		Date/Time			Turnaround (Business Days)									
			Ghyenne Terenzio		2/12/24 1708												

**Netlab subcontracts the following tests: Radiologicals, Radon, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates, CT ETPH

CHAIN OF CUSTODY RECORD

PROJ. NO.		PROJECT NAME/LOCATION				AQUEOUS	SOIL	OTHER	NO. OF CONTAINERS	PRESERVATIVE	TESTS*				REMARKS
EPC07.24		Site Investigation at Above Tank Site									Total Lead EPA 6010	PCBs EPA 8082A			
CLIENT															
PARTE															
REPORT TO: thies@precorp.com morgan@precorp.com															
INVOICE TO: thies@precorp.com															
DATE	TIME	COMP	GRAB	SAMPLE I.D.											
2/12/24	1:15	X		T-W		X		1	N/A	X	X				
	1:20			T-W											
	1:25			PL-SB											
	1:30			PL-S3											
	1:40			PL-S2											
	1:45			PL-S2											
	1:50			FIELD 1											
	1:55			FIELD 1											
	2:00			FIELD 3											
	2:05			FIELD 3											

Sampled by: (Signature) 	Date/Time 2/12/24 2:05	Received by: (Signature)	Date/Time	Laboratory Remarks: Temp. received: _____ Cooled <input type="checkbox"/>	Special Instructions: List Specific Detection Limit Requirements:
Relinquished by: (Signature) 	Date/Time 2/12/24 5:03	Received by: (Signature)	Date/Time		
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature) 	Date/Time 2/12/24 1708		
				Turnaround (Business Days) _____	

**Netlab subcontracts the following tests: Radiologicals, Radon, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates, CT ETPH

NEW ENGLAND TESTING LABORATORY, INC.
 59 Greenhill Street
 West Warwick, RI 02893
 1-888-863-8522

CHAIN OF CUSTODY RECORD



PROJ. NO.		PROJECT NAME/LOCATION		A C C O U N T	S O I L	O T H E R	NO. OF CONTAINERS	P R E S E R V A T I V E	REMARKS		
CLIENT		REPORT TO:								INVOICE TO:	
DATE	TIME	C O M P	G R A B	SAMPLE I.D.		TESTS**					
2/12/24	12:05	X		T-N	0-6"	X	1	NA	X	X	<div style="border: 1px solid black; border-radius: 50%; padding: 10px; display: inline-block;"> MASHES </div>
	12:10			T-N	6-12"						
	12:15			T-N	12-18"						
	12:20			T-N	18-24"						
	12:25			T-E	0-6"						
	12:30			T-E	6-12"						
	12:35			T-E	12-18"						
	12:40			T-E	18-24"						
	12:45			T-S	0-6"						
	12:50			T-S	6-12"						
	12:55			T-S	12-18"						
	1:00			T-S	18-24"				X		
	1:05			T-W	0-6"						
	1:10			T-W	6-12"						

Sampled by: (Signature) <i>[Signature]</i>	Date/Time 2/12/24 2:05	Received by: (Signature)	Date/Time	Laboratory Remarks: Temp. received: _____ Cooled <input type="checkbox"/>	Special Instructions: List Specific Detection Limit Requirements: <i>Additions per Matthew Sgl 2.28</i>
Relinquished by: (Signature) <i>[Signature]</i>	Date/Time 2/12/24 5:08	Received by: (Signature)	Date/Time		
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature) <i>Ghyenne Taccardi</i>	Date/Time 2/12/24 1708		

**Nellab subcontracts the following tests: Radiologicals, Radon, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates, CT ETPH

NEW ENGLAND TESTING LABORATORY, INC.
 59 Greenhill Street
 West Warwick, RI 02893
 1-888-863-8522

CHAIN OF CUSTODY RECORD

PROJ. NO.		PROJECT NAME/LOCATION		AQUEOUS	SOL	OTHER	NO. OF CONTAINERS	PRESERVATIVE	TESTS**			REMARKS
CLIENT		REPORT TO:							INVOICE TO:		Total Lead	
DATE	TIME	COMP	GRAB	SAMPLE I.D.								
2/12/24	1:15	Y		T-W		X	1	N/A	X	X	X	
	1:20			T-W			*				X	
	1:25			PL-S3			*					
	1:30			PL-S3			*					
	1:40			PL-S2			*					
	1:45			PL-S2			*					
	1:50			FIELD 1			*					
	1:55			FIELD 1			*					
	2:00			FIELD 3			*					
	2:05			FIELD 3			*					

Sampled by: (Signature) 	Date/Time 2/12/24 2:05	Received by: (Signature)	Date/Time	Laboratory Remarks: Temp. received: _____ Cooled <input type="checkbox"/>	Special Instructions: List Specific Detection Limit Requirements:
Relinquished by: (Signature) 	Date/Time 2/12/24 5:03	Received by: (Signature)	Date/Time		
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature) 	Date/Time 2/12/24 1708		
				Turnaround (Business Days) _____	

**Netlab subcontracts the following tests: Radiologicals, Radon, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates, CT ETPH

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #:

Project Location: Atwood Tank

RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
4B12064

Matrices: Groundwater/Surface Water Soil/Sediment Drinking Water Air Other:

CAM Protocol (check all that apply below):

8260 VOC CAM II A <input type="checkbox"/>	7470/7471 Hg CAM III B <input type="checkbox"/>	MassDEP VPH (GC/PID/FID) CAM IV A <input type="checkbox"/>	8082 PCB CAM V A <input checked="" type="checkbox"/>	9014 Total Cyanide/PAC CAM VI A <input type="checkbox"/>	6860 Perchlorate CAM VIII B <input type="checkbox"/>
8270 SVOC CAM II B <input type="checkbox"/>	7010 Metals CAM III C <input type="checkbox"/>	MassDEP VPH (GC/MS) CAM IV C <input type="checkbox"/>	8081 Pesticides CAM V B <input type="checkbox"/>	7196 Hex Cr CAM VI B <input type="checkbox"/>	MassDEP APH CAM IX A <input type="checkbox"/>
6010 Metals CAM III A <input checked="" type="checkbox"/>	6020 Metals CAM III D <input type="checkbox"/>	MassDEP EPH CAM IV B <input type="checkbox"/>	8151 Herbicides CAM V C <input type="checkbox"/>	8330 Explosives CAM VIII A <input type="checkbox"/>	TO-15 VOC CAM IX B <input type="checkbox"/>

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
C	Were all required corrective actions and analytical response specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
E	VPH, EPH, APH, and TO-15 only a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹
<i>Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40.1056 (2)(k) and WSC-07-350.</i>		
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹

¹ All negative responses must be addressed in an attached laboratory narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, is accurate and complete.

Signature: 

Position: Laboratory Director

Printed Name: Richard Warila

Date: 3/7/2024









CAPACITY
150,000 GALLONS

DIAMETER OF
STEEL RISER 5 FEET

BALCONY 30" WIDE

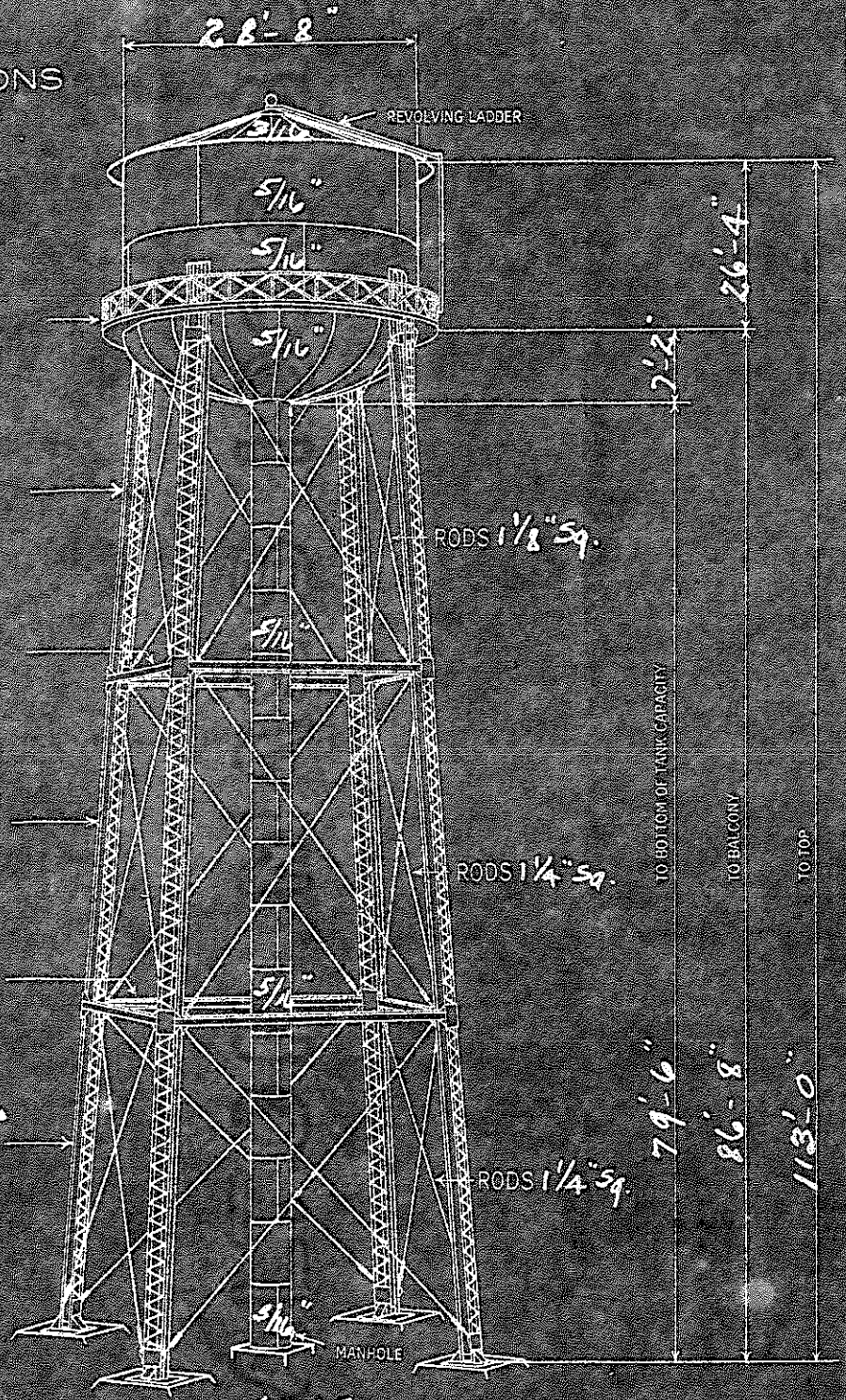
COLUMNS 2 [15" x 33.9"
1 PL. 18" x 3/8"

STRUTS 2 [7" x 9.8"

COLUMNS 2 [15" x 33.9"
1 PL. 18" x 3/8"

STRUTS 2 [7" x 9.8"

COLUMNS 2 [15" x 33.9"
1 PL. 18" x 7/16"



PROPOSED
ELEVATED STEEL TANK
FOR
SOUTH BORO, MASS.
CHICAGO BRIDGE & IRON WORKS

ATTACHMENT 1

Town of Southborough - Department of Public Works Preliminary Investigation - Former Atwood Tank Site Lead Sampling Plan (February 12, 2024)



ATWOOD STREET

PROPERTY LINE

AP 8/LOT 102

APPROX. DRIP LINE OF FORMER ELEVATED TANK

APPROX. LOCATION OF CONCRETE FOUNDATION (TYP. OF 4)

T-N
T-E
T-S
T-W

APPROX. LOCATION OF STANDPIPE (CAPPED AT GRADE)

FIELD 1
0-6" - 26.8 mg/kg
6-12" - 9.04 mg/kg

FIELD 3
0-6" - 103 mg/kg
6-12" - 15.2 mg/kg

PL-S2
0-6" - 103 mg/kg
6-12" - 9.74 mg/kg

PL-S3
0-6" - 146 mg/kg
6-12" - 76.1 mg/kg

AP 3/LOT 41
40 ATWOOD STREET

AP 3/LOT 42
42 ATWOOD STREET

TANK DRIP LINE LEAD SAMPLE RESULTS

T-N
0-6" - 31.4 mg/kg
6-12" - 22.6 mg/kg
12-18" - 10.6 mg/kg
18-24" - 259 mg/kg

T-E
0-6" - 58.6 mg/kg
6-12" - 108 mg/kg
12-18" - 17.5 mg/kg
18-24" - 234 mg/kg

T-S
0-6" - 45.1 mg/kg
6-12" - 66.4 mg/kg
12-18" - 1,170 mg/kg
18-24" - 958 mg/kg

T-W
0-6" - 41.0 mg/kg
6-12" - 74.1 mg/kg
12-18" - 1,730 mg/kg
18-24" - 168 mg/kg

TANK DRIP LINE TCLP LEAD SAMPLE RESULTS

T-S
18-24" - 3.64 mg/L

T-W
12-18" - 40.0 mg/L
18-24" - 7.91 mg/L

LEGEND

● Sample Location

