

November 18, 2024

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

Re: **Former Atwood Tank Lead in Soil Analysis Results**
Task Order 27 Lead Soil Sampling Program
Former Atwood Tank Parcel AP 8/LOT 102
Southborough, Massachusetts
Pare Project No: 08176.31

Dear Mr. Cundiff:

Pare Corporation (Pare) is pleased to present the Town of Southborough (the “Town”) results of the soil sampling and analysis recently completed at the location of the former Atwood Water Storage Tank and at an abutting residential property (collectively “the Site”) located at 40 Atwood Street in Southborough, Massachusetts. The former tank had been situated on an open steel frame approximately 130 feet above ground and was built in the 1930s and demolished in December 1991. The sampling and analysis task was initiated on May 21, 2024, and was authorized by Town approval of Pare Task Order No. 27. Outlined herein is a description of the work completed, our findings, and potential remedial options.

BACKGROUND

In February 2024, Pare investigated lead concentrations in shallow soil at the Site to assess the potential impacts of the water tank’s suspected lead-based paint to the surrounding soil. These initial soil samples were collected from multiple depths at four (4) locations beneath the tank, two (2) locations in the field where the tank vessel landed during demolition, and two (2) locations along the southern property line between the tank and the closest abutting property. A total of twenty-four (24) samples were collected and analyzed for lead. The analyses detected lead in every sample analyzed. The detected concentrations ranged from 9.04 milligrams per kilogram (mg/kg) to 1,730 mg/kg. The Massachusetts Department of Environmental Protection (MassDEP) category RCS-1 Reportable Concentration (RC) for lead in soil is 200 mg/kg. Category RCS-1 is applicable to the Site because of its location with 500 feet of residential property. Lead concentrations in five (5) of the twenty-four (24) samples collected exceeded the RC. Three of those (5) five samples were also extracted by the Toxicity Characteristic Leaching Procedure (TCLP) and the extract was analyzed for lead to evaluate whether the soil would be classified as hazardous waste if that soil were to meet the MassDEP’s and the United States Environmental Protection Agency’s (USEPA) definition of a “generated” waste. This is an important characteristic as it affects the disposal costs and options available for remediation. Analysis of the TCLP-extracted samples detected lead (TCLP lead) concentrations of 3.64, 7.91, and 40.0 mg/L; therefore, two of the TCLP lead concentrations exceeded the USEPA and MassDEP threshold for classification of hazardous waste applicable to lead in soil.

SAMPLING APPROACH

Following receipt of the initial sample analysis results, Pare and the Town developed an expanded investigation to better delineate the vertical and horizontal extent of the lead in soil. The expanded

investigation focused on the site soils below the former tank and surrounding areas that were initially identified as having elevated lead concentrations.

From June 24, 2024 to June 27, 2024, Pare completed the additional on-site investigation. Pare established an approximately 10-foot by 10-foot soil characterization grid around the former tank location approximately 50 feet in each direction, and an approximately 30-foot by 30-foot characterization grid in areas further from the tank. Pare collected soil samples at grid nodes and from six-inch vertical intervals in one-foot increments, extending up to 54 inches below ground surface (bgs) near the tank and to 30 inches below grade further from the tank. Each soil core was advanced with a direct push drill rig using dedicated sampling sleeves. The results of the February investigation detected lead adjacent to the southern abutting parcel, albeit at relatively low concentrations. Therefore, Pare also collected soil samples at eleven (11) locations on the southern abutting parcel to assess lead concentrations in the soil on that property. The sample locations are shown in Figure 2 attached. Sampling cores were advanced in the same manner but only to 18 inches on the neighboring property.

Samples are identified by coordinates relative to an X-Y grid established for the Site; followed by a letter code indicating the vertical depth bgs of the sample in inches (A = 0-6 inches, B = 12-18, C = 24-30, D = 36-40, E = 48-54). For example, sample 60,90 D was collected at coordinates of X = 60 feet, Y = 90 feet, as measured from the origin (i.e., where X and Y distances are both zero) shown in Figure 2, from the 36-40-inch depth interval bgs. Pare collected each sample directly into a clean, laboratory-provided glass jar using new disposable sampling gloves for each sample. To reduce the potential for cross-contamination, new sampling equipment was used at each sample location so no equipment decontamination between locations was needed.

Samples were delivered to the New England Testing Laboratory of West Warwick, Rhode Island (NetLab) with Chain-of-Custody documentation within 48 hours of collection and were properly stored and preserved by the laboratory. All samples were analyzed within the prescribed holding times of the laboratory methods utilized. The laboratory analyzed the samples for total lead by USEPA Method 6010C.

FINDINGS

The boreholes were advanced to planned depths, except borings completed at coordinates [60,0], [70,0], and [140,0] due to shallow bedrock, and at [110,90] due to a rock in the sample collection sleeve. Samples could not be collected below 36 inches bgs at these four (4) locations. Pare collected a total of 524 samples for analysis. Figures 3 through 7 and Tables 1 through 5 summarize the analytical results. Attachment 4 contains the Laboratory Analytical reports and sample Chain-of-Custody documentation.

Laboratory analysis detected lead concentrations exceeding the MassDEP RCS-1 RC of 200 mg/kg in 53 of the 524 samples. The highest reported concentration was 33,600 mg/kg in sample 120,40A, located below the former water tank and close to the former tank's drip line. Figures 3 through 7 show the areal distribution of lead within sampling depth intervals (A-E). The figures depict lead concentrations that exceed certain thresholds, including samples above 1,000 mg/kg, which is MassDEP's limit for lead in soil brought to an unlined landfill; 200 mg/kg, which is MassDEP's reportable concentration for lead in soil; and 100 mg/kg, which is the MassDEP's statewide background concentration for lead in soil.

Lead Distribution Patterns

Pare used the analytical results to assess the extent of lead impacts at the surface and at depths where lead may have migrated. Generally, the highest concentrations of lead were detected in samples collected below or immediately adjacent to the former tank, within the tank's drip line, and in close proximity to the central standpipe. The drip line is the approximate area where rain would have shed off the tank to the ground. Lead concentrations generally decreased with depth. Lead concentrations exceeding 200 mg/kg were not detected more than 54 inches bgs. The investigation identified the extent of lead in soil exceeding 200 mg/kg horizontally and vertically north and east of the Site. The investigation identified moderate (i.e., greater than 100 mg/kg but below 200 mg/kg) lead concentrations in two (2) samples on the western edge of the investigation area (i.e., towards Atwood Street) and in two (2) samples south on the neighboring property.

Additional observations of the data are provided below.

- The current surficial soils directly beneath the former tank consist of imported fill materials that were reportedly placed within a low area beneath the tank after the tank was removed. This fill material appears to be unimpacted and was imported to the Site to bring the Site to a more consistent grade and prevent ponding within the depression located beneath the tank. These surficial soils are above the former surface soils that were present during the operational period of the tank. Layer A directly beneath the tank is mostly imported soil. Further from the tank, Layer A is the original soil from when the tank was in operation. It appears the imported soil is generally limited to the area directly beneath the tank, but the exact limits of imported soil are unknown at this time.
- Soil samples collected from the area that was directly beneath the tank and likely representing the original surface soil samples are represented by Layer B samples collected from 12-18 inches bgs. Except for one soil sample collected at the current Layer A, three of the highest lead concentrations detected on the site (10,800 mg/kg, 9,690 mg/kg, and 6,700 mg/kg) were collected from Layer B or C. The highest lead concentration (33,600 mg/kg) was detected in Layer A. Refer to Tables 1 through 3 and Figures 3 through 5 for information about the distribution of lead concentrations in Layers A, B, and C.
- Detected lead concentrations significantly decreased with distance from the tank drip line and with depth.
- Lead concentrations exceeding 200 mg/kg are generally limited to the top 36 inches as evidenced by the lower detected lead concentrations in samples collected from Layer D (36-42 inches bgs). Detected lead concentrations did not exceed the 200 mg/kg RCS-1 RC in samples collected from Layer D (36-42 inches bgs), except for sample 100,50D, in which 226 mg/kg lead was detected. Lead in the remaining samples collected from Layer D was either not detected or was less than 100 mg/kg, the MassDEP's published background concentration for state-wide natural soils. Based on the Layer D analytical results, only one sample was selected for analysis from Layer E, 100,50E (48-54 inches bgs). This sample was collected immediately below the Layer C sample which yielded the highest lead concentration within Layer C. The lead concentration detected in the Layer E sample was 126 mg/kg. This sample represents the deepest level that appears to be impacted by the lead paint.
- Surficial impacts, (i.e., those samples collected from the 0-6 inches interval (Layer A)) represent the

broadest horizontal extent of impacts and likely reflect impacts from surface water runoff and air/wind-driven dust migration in addition to precipitation driven (vertical) migration. Impacts to deeper layers of soil attenuate quickly with each subsequent layer demonstrating fewer exceedances of lead.

Lead Distribution – Neighboring Property

- Lead concentrations in samples collected on the neighboring property to the south did not exceed the MassDEP RCS-1 200 mg/kg RC. Lead concentrations in two samples, 90,-10A (122 mg/kg) and 120, -20A (105 mg/kg), exceeded the MassDEP 100 mg/kg background lead concentration. These locations are located between 40- and 50 feet south of the drip line.
- Although the detected lead concentrations on the southern neighboring property were uniformly below the MassDEP RCS-1 RC and the MassDEP Method 1 Cleanup Standard of 200 mg/kg, two samples contained lead concentrations exceeding the MassDEP natural background level of 100 mg/kg, suggesting some impact from a lead source.

Hazardous Waste Characterization

Twenty-six (26) soil samples were extracted by the TCLP method and the extract was analyzed for lead. This test assesses the potential for lead to leach from the soil under temperature and acidity conditions common in landfills. Soil containing TCLP extractable lead concentrations equal to or greater than 5 mg/L would be classified as a “generated” hazardous waste if that soil were to be moved from the area of lead impact or placed into containers. Soil containing TCLP lead equal to or greater than 5 mg/L that remains in situ or which is stabilized to reduce TCLP lead concentrations to less than 5 mg/L prior to its removal from the impacted area would not be classified as hazardous waste based on its lead concentration.¹ Total (not TCLP-extracted) lead concentrations that do not equal or exceed 100 mg/kg will not contain TCLP lead equal or exceeding 5 mg/L because of the dilutions conducted during analysis. Pare selected several samples containing varying concentrations of lead for TCLP lead analysis. The TCLP lead results are summarized below. Attachment B contains the TCLP-Lead Laboratory Analysis reports and sample Chain-of-Custody documentation.

It is important to note in the data presented below that soil containing a total lead concentration as low as 168 mg/kg exceeded the TCLP-lead hazardous waste classification threshold. If future removal of soils containing TCLP-lead exceeding the 5 mg/L threshold is required, it may be prudent to stabilize the soil on-site to render the soil non-hazardous in order to dispose of the soil at a non-hazardous facility. Otherwise, disposal of hazardous waste, including transportation and handling, is very expensive – much more expensive than non-hazardous waste soil. However, the costs associated with stabilization to render soil non-hazardous prior to its removal from the Site, and the cost associated with the off-site transportation and disposal of facilities licensed to accept the stabilized soil are usually significantly higher than the costs associated with the transportation and disposal of soils that do not contain elevated TCLP leachable lead concentrations.

¹ Note, soil may be classified as a hazardous waste based on other criteria; however, based on the history of the site, the other criteria are not likely to apply.

SUMMARY OF TCLP ANALYTICAL RESULTS

Sample ID	Total Lead Concentration (mg/kg) in descending order	TCLP Lead Concentration (mg/L)
120,40A	33,600	89.4
100,50C	10,800	29.2
80,50B	9,690	68.1
140,70B	6,700	92.7
100,40C	1,910	0.034
<i>T-W 6-12"</i>	<i>1,730</i>	<i>40</i>
150,90A	1,460	1.55
70,50A	1,310	3.02
120,30C	1,260	0.052
120,20B	1,110	0.129
120, 60C	963	1.2
<i>T-S 18-24"</i>	<i>958</i>	<i>3.64</i>
140,90B	784	0.099
90,40C	715	5.99
60,10A	574	0.18
130,50C	439	1.15
70,40A	358	1.04
130,40A	292	1.36
70,30A	261	0.784
100,50D	226	2.36
60,90A	182	0.189
110,90B	175	ND
<i>T-W 18-24"</i>	<i>168</i>	<i>7.91</i>
150,60A	164	0.994
130,20A	132	0.71
90,-10A	122	0.04
70,0A	120	0.151
120,-20A	105	ND
80,50A	12.2	0.027

Notes: Summary Data Table presents the TCLP lead results for 26 samples collected in June 2024 and 3 samples were collected in February 2024.

mg/kg = milligrams per kilogram; equivalent to parts per million

mg/L = milligrams per liter; approximately parts per million

Samples in *italicized* text were collected in February 2024

Samples in **bold** text exceed the hazardous waste threshold for toxicity (TCLP lead = or >5 mg/L)

DATA USABILITY

To support risk characterization conclusions in certain reports for Disposal Sites having MassDEP reporting obligations, 310 CMR 40.1056 requires an assessment of the representativeness and usability of the data documenting that the data relied upon is scientifically valid and defensible, and of a sufficient level of precision, accuracy, and completeness to support the determination of a permanent solution. Although not required by the MCP for this Site, Pare completed a Representativeness Evaluation and Data Usability Assessment in conformance with MassDEP's Policy WSC 07-350 to demonstrate the quality of the Site data for use in decision-making. Completion of the worksheets associated with this policy suffice for evaluating the data consistent with this policy. The completed worksheets are attached to this report. The

MassDEP Compendium of Analytical Methods (CAM) outlines a series of recommended protocols for the acquisition, analysis, and reporting of MCP-related analytical data. Parties who elect to use and comply with the CAM protocols have data quality “Presumptive Certainty” for use in response action decision-making.

A Data Usability Assessment has an analytical and field component. An Analytical Data Usability Assessment evaluates whether analytical data points are scientifically valid and defensible, and of a sufficient level of precision, accuracy, and sensitivity to support Remedial Action and outcome. MassDEP considers data compliant with the CAM to have presumptive certainty quality with regards to use in evaluating a site relative to nature and extent and for use in risk characterizations. CAM Compliant Data (data with “Presumptive Certainty”) is of known accuracy, precision, and sensitivity. Identified analytical quality control performance standard deficiencies for CAM Compliant Data must be described in the Laboratory Case Narrative. Data that was generated for this report is CAM Compliant without exceptions.

Pare collected field duplicate samples at an approximate frequency of one field duplicate for every 20 soil samples collected. Each field duplicate was a split of a grab sample collected from a specified 6-inch interval. Field duplicates are identifiable by a double-letter character of the primary sample collected. For example, sample 30,0BB is a field duplicate of sample 30,0B. Generally, there was a good correlation as measured by the ratio between the sample and the field duplicate analytical results with a few exceptions generally at the lower end of detection. A ratio of 1.0 is ideal and indicates that the field duplicate is an exact match of the primary sample collected. Larger ratios (i.e. those values >2 or <0.5) represent less reproducibility between the primary sample and its field duplicate. Five sets of sample/duplicate sample results had ratios >2 . Lead concentrations in four of the sample/duplicate sample set results having ratios >2 or <0.5 did not exceed 60 mg/kg and variances in the analytical results do not affect conclusions about the extent of elevated lead concentrations. The lead concentrations in the remaining two sets of sample/duplicate sample results having ratios >2 or <0.5 exceeded 200 mg/kg; however, analytical result differences in only one set could potentially affect conclusions about the extent of elevated lead concentrations. The variability in these few samples is attributable to the uneven distribution of paint particles in the soil matrix and not to field sampling methods. Based on the overall consistency of the field duplicates analytical results with the analytical results from their paired sample, the field sampling methods are considered sound and defensible. The samples were collected and analyzed within the specified analytical method holding limits. A summary table of the field duplicate results is provided on the next page.

SUMMARY OF FIELD DUPLICATE DATA

Sample ID	Initial Sample(mg/kg)	Field Duplicate(mg/kg)	Reproducibility Ratio
30,0B	11.40	12.00	0.95
60,-10B	5.58	6.75	0.83
60,30A	371.00	352.00	1.05
60,50D	0.64	<i>0.63</i>	<i>1.02</i>
60,70B	1.35	1.59	0.85
60,180B	4.21	5.29	0.80
70,10A	779.00	574.00	1.36
80,10D	2.42	2.67	0.91
80,30B	10.70	5.91	1.81
80,50A	12.20	21.40	0.57
80,90 A	<i>0.75</i>	<i>0.68</i>	<i>1.10</i>
90,-10B	3.19	5.77	0.55
90,20A	30.00	46.80	0.64
90,40D	3.11	1.81	1.72
90,60C	40.90	36.90	1.11
90,80D	1.15	<i>0.64</i>	<i>1.80</i>
100,40C	1910.00	443.00	4.31
100,70D	<i>0.60</i>	1.59	0.38
110,10C	5.41	4.04	1.34
110,80C	<i>0.58</i>	<i>0.67</i>	<i>0.87</i>
120,30C	1260.00	1230.00	1.02
120,50B	5.94	6.83	0.87
120,150B	4.38	5.61	0.78
130,10B	226.00	10.70	21.12
130,20C	2.67	2.45	1.09
130, 60B	22.30	10.30	2.17
130,70 C	<i>0.60</i>	<i>0.67</i>	<i>0.90</i>
140,90C	13.20	1.54	8.57
150,10A	58.30	23.60	2.47
150,80B	175.00	144.00	1.22
180,180B	9.09	6.47	1.40
210,180B	4.06	3.19	1.27

Bold text values have a reproducibility ratio >2 or < 0.5

Italicized text indicates the laboratory returned a value of “ND” (Not Detected). Reported laboratory detection limit in lieu of a detected concentration.

The data generated during these investigations (February and June of 2024) is CAM Compliant and scientifically valid and defensible and of sufficient accuracy, precision and completeness to support the conclusions presented herein with regard to the nature and extent of impacts and remedial response actions recommended.

RISK DISCUSSION AND REMEDIAL OPTIONS

Remedial options depend on the Town's intentions for reusing the property and the Town's perception of and sensitivity to potential future liabilities.

In accordance with 310 CMR 40.0317 lead in soil originating from a release of lead-based paint at its point of original application is exempt from MCP notification and reporting requirements and from MassDEP approvals and fees. Furthermore, in accordance with 310 CMR 40.0006, sites impacted solely with oils or hazardous materials (including lead) from lead-based paint from a point of the original application are not considered MCP Disposal Sites and are considered Anthropogenic Background. As such, the identified site conditions currently meet the MCP requirement to achieve or approach background. However, 310 CMR 40.0370 requires response actions (defined as assessment, containment, or removal) if the exempt condition nonetheless poses a significant risk and requires conformance with "all applicable federal, state, or local laws, regulations, or ordinances." Therefore, this provision can be interpreted to require conformance with the applicable federal, state or local laws, regulations, or ordinances governing issues such as impacted soil management, risk communication, occupational exposures, and risk control, but does not specifically require cleanup to the background because the MCP definition of background includes both Natural Background and Anthropogenic Background.

The MCP does not require risk characterization at sites meeting the definition of Anthropogenic Background; however, it does require providing notice to future property owners (in the form of MCP reports, which are not required at this Site) with recommendations for Best Management Practices for non-commercial gardening to limit human exposures to the Anthropogenic Background condition.

Non-MCP Best Management Practices commonly applied to reduce human exposure to environmental conditions exempt from MCP notification and reporting requirements, frequently include the same type of risk characterization, and hazard removal and/or isolation methods applied to conditions for which the MCP requires notification of and reporting to the MassDEP.

Commonly applied Risk Characterization Methods, which are accepted by the MassDEP and USEPA on regulated sites, recognize that risk to human health and the environment is related to the frequency and duration of exposure to a hazard. Therefore, if exposure to a hazard can be eliminated or controlled, the significant risk can be eliminated or controlled. Although an MCP risk characterization is not required for this Site, if such a risk characterization were to be conducted for the site as it exists currently it would conclude a future condition of significant risk exists at certain areas of the site from potential direct exposure to lead in soil.

Remediation of this Site could be done under one of two options.

Option 1

Removal of soil containing lead concentrations exceeding natural background levels would be an expedient and effective approach to eliminate the potential for a future significant risk to human health and the environment and would simplify future site activities and development by removing the need for future contaminated soil management and exposure controls. This option would remove the lead-impacted soils potentially presenting a significant risk, as defined by the MCP to future users and occupants of the property. This option would entail removing approximately 1,300 to 1,800 CY of contaminated soil.

Upwards of 20-30% of that soil could require on-site stabilization prior to off-site disposal, which will be expensive. Costs associated with this option would include on-site stabilization, additional soil sampling, and analysis to obtain off-site facility approval for disposal, excavation, excavation oversight, transportation costs, receiving facility tipping fees, and importation of clean soil to restore the site after remediation.

The benefit of Option 1 would be the significant reduction in on-site risk and the lower the long-term costs and site management concerns. This remedial option would create a site where lead poses no significant risk in the future and would allow relatively unrestricted use of the site. The cost of this remedial option is expected to be in the range of \$700,000 to \$1.3M. The final cost would largely be based on how much soil needs to be stabilized prior to disposal and what the total volume of soil is that goes off-site.

Option 2

The MCP does not require risk characterization at sites meeting the definition of Anthropogenic Background; however, for non-exempt sites that meet the definition of Anthropogenic Background, it requires providing notice to future property owners in the form of MCP reports (which are not required at exempt sites such as this site) which must recommend Best Management Practices for non-commercial gardening to limit human exposures to the Anthropogenic Background condition.

Non-MCP Best Management Practices commonly applied to reduce human exposure to environmental conditions exempt from MCP notification and reporting requirements, frequently include the same type of risk characterization, and hazard removal and/or isolation methods applied to conditions for which the MCP requires notification of and reporting to the MassDEP.

Commonly applied Risk Characterization Methods recognize that risk to human health and the environment is related to the frequency and duration of exposure to a hazard. Therefore, if exposure to a hazard can be eliminated or controlled, the significant risk can be eliminated or controlled.

Risk characterization also considers the area of the exposure (the "Exposure Point") and the magnitude of the exposure, i.e., the concentration to which someone may be exposed (the Exposure Point Concentration (EPC)). EPCs used in risk characterization are calculated from site data and must be conservatively high and not underestimate the mean (**average**) concentration to which someone could be exposed; therefore, EPCs can be set as an average concentration if it can be shown to be representative of the defined area and are usually not the highest concentrations detected within the area.

Using the Risk Characterization Process, the risks posed by the hazard (in this case lead in soil) can be calculated and compared to USEPA and MassDEP standards for acceptable risk. In Massachusetts, the EPC for lead in soil, below which a condition of No Significant Risk can be concluded to exist is 200 mg/kg because daily exposure to that concentration is not expected to pose an adverse non-cancer health effect (lead is non-carcinogenic). This standard for lead in soil is based on the Allowable Daily Dose for lead exposure via dermal absorption and incidental ingestion, which in turn considers MassDEP default exposure assumptions for variables such as body weight, skin surface area, soil ingestion rates, plant uptake, produce ingestion rates, and duration of exposure for various human population age groups.

Although MCP Risk Characterization is not required for this Site, such a risk characterization would conclude a future condition of significant risk exists at certain areas of the Site from potential direct exposure to lead in soil.

Importantly, remediation based on risk characterization will result in some soil containing elevated lead concentrations remaining on the Site. Some of the detected lead concentrations exceed the MCP Ceiling Limits; therefore, a risk characterization in accordance with the MassDEP methods in the MCP would conclude a Significant Risk exists in those areas. However, using risk characterization, it may be possible in other areas to conclude that a Significant Risk: 1.) does not exist based on the calculated EPC in that area; 2.) would not exist if enough soil is removed to lower the EPC; or 3.) would not exist if there was no exposure to the soil, for example, if the soil was capped with clean soil, geotextiles, building structures, and/or other materials.

Because this remedial approach would leave some elevated lead concentrations on the Site, a prospective developer would likely consider that condition to pose additional costs during the development and to potentially pose an environmental stigma lowering property value. Additional costs to a developer could arise from locations for off-site reuse of excess soil being limited to certain licensed facilities, worker health and safety precautions, potential dust monitoring and construction vehicle washing requirements, and clean cover or other materials to isolate soil containing lead. Additionally, because some soil has been shown to be classifiable as hazardous waste if it were to become a generated hazardous waste; potential developers may seek a substantially lower purchase price or negotiate post-sale price rebates based on their conservative overestimates of the volume of soil requiring relatively expensive on-site treatment and out-of-state transportation and disposal. If protective cover materials are placed over lead-containing soils, long-term monitoring and maintenance of those cover materials would also be warranted to reduce the potential for future exposure to that soil. These added complications to site development would also necessitate additional documentation and site design efforts, and additional communication during the Site Development Bidding and Development Phases.

The near-term costs to the Town associated with Option 2 are primarily the data analysis and risk characterization costs, some limited soil excavation and off-site disposal costs. Longer-term costs to be borne by the developer or the Town would include but may not be limited to additional soil characterization and disposal costs to manage excess soils generated during construction, added site design costs, added project management costs, and potentially the cost of protective cover materials.

The benefit of Option 2 is that the near-term costs would be significantly lower than Option 1 and some of the costs could be transferred to the developer; however, it may result in fewer bidders for the land and would likely result in a lower (potentially significantly lower) purchase price.

INVESTIGATION CONCLUSIONS

Based on the results, the limits of soil containing lead concentration exceeding the state-wide naturally occurring background level of 100 mg/kg are shown in Figures 3 through 6 as the shaded blue area. Lead concentrations remaining at the Site after removal of these soils would achieve or approach the naturally occurring background levels as defined by the MassDEP and would substantially restore the Site to the condition existing prior to the release of lead-based paint from the former water supply tank and would meet or exceed Best Management Practices.

Alternate remedial approaches are available but would require additional evaluation of potential exposure pathways, calculation of Exposure Point Concentrations within hypothetical future areas of exposure, and risk characterization. Such alternative remedial approaches could include measures that control or mitigate potential future exposure to the lead in soil to levels and achieve a condition of No Significant Risk as defined by the MassDEP but would not restore the site to natural background conditions. As such, these

alternate approaches would likely leave some soils at the Site containing lead exceeding the 200 mg/kg MCP Method 1 Residential Cleanup Standard, the 100 mg/kg MassDEP natural background level, and potentially some soil in which TCLP lead exceeds the threshold for classification as hazardous waste. Leaving such residual lead in the soil would warrant future soil management and exposure controls as a Best Management Practice in order to mitigate third-party liability, the potential for regulatory violations, and lead exposure to future residents.

NEXT STEPS

Based on the results of the sampling conducted in February and June of 2024, the Site requires remediation to reduce the risks associated with elevated concentrations of lead in soil. Pare recommends that the Town select one of the two remedial options discussed above (either Option 1 or Option 2) and engage Pare to prepare Remedial Plans and Specifications suitable for soliciting bids from qualified contractors. This effort would include refining estimates for soil stabilization and soil disposal and updating the project cost. This effort would also include the preparation of a Property Survey that clearly shows property lines, topography, and site features. Upon development of these Plans and Specifications, Pare could assist the Town with soliciting bids for the project and assist during the Remediation Phase.

In the short term and prior to initiating any remedial action, it would be prudent to take steps that reduce the spread of lead across the Site and limit exposure to the highest concentrations of lead. Pare recommends that the Town place a temporary covering over parts of the Site with the highest concentrations and in areas where vehicles travel. This covering should include a geotextile barrier (i.e., non-woven filter fabric) overlain with at least 6 inches of crushed stone, clean soil, or mulch.

If you have any questions, please contact us at your convenience.

Sincerely,

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

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

MF/TPT/kji

Attachment 1 Figures:

- Figure 1 – Site Locus
- Figure 2 – Site Sampling Plan
- Figure 3 – A Level Sampling Locations
- Figure 4 – B Level Sampling Locations
- Figure 5 – C Level Sampling Locations
- Figure 6 – D Level Sampling Locations
- Figure 7 – E Level Sampling Locations

Attachment 2 Tables:

- Table 1 – Summary Data Table Layer A (0-6) inches Below Ground Surface
- Table 2 – Summary Data Table Layer B (12-18) inches Below Ground Surface



Mr. William Cundiff, P.E.-DPW

(12)

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Table 3 – Summary Data Table Layer C (24-30) inches Below Ground Surface

Table 4 – Summary Data Table Layer D (36-42 inches Below Ground Surface

Table 5 – Summary Data Table Layer E (48-54) inches Below Ground Surface

Attachment 3: NetLab Analytical Reports – Total Lead soil samples

Attachment 4: NetLab Analytical Reports – TCLP Lead soil samples

Attachment 5: Representative Evaluation and Data Usability Work Sheets

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ATTACHMENT 1

FIGURES

Figure 1 – Site Locus
Figure 2 – Site Sampling Plan
Figure 3 – A Level Sampling Locations
Figure 4 – B Level Sampling Locations
Figure 5 – C Level Sampling Locations
Figure 6 – D Level Sampling Locations
Figure 7 – E Level Sampling Locations

MassDEP - Bureau of Waste Site Cleanup

Phase 1 Site Assessment Map: 500 feet & 0.5 Mile Radii

Site Information:

ATWOOD STREET FORMER WATER TANK SITE
17 ATWOOD STREET SOUTHBOROUGH, MA

NAD83 UTM Meters:

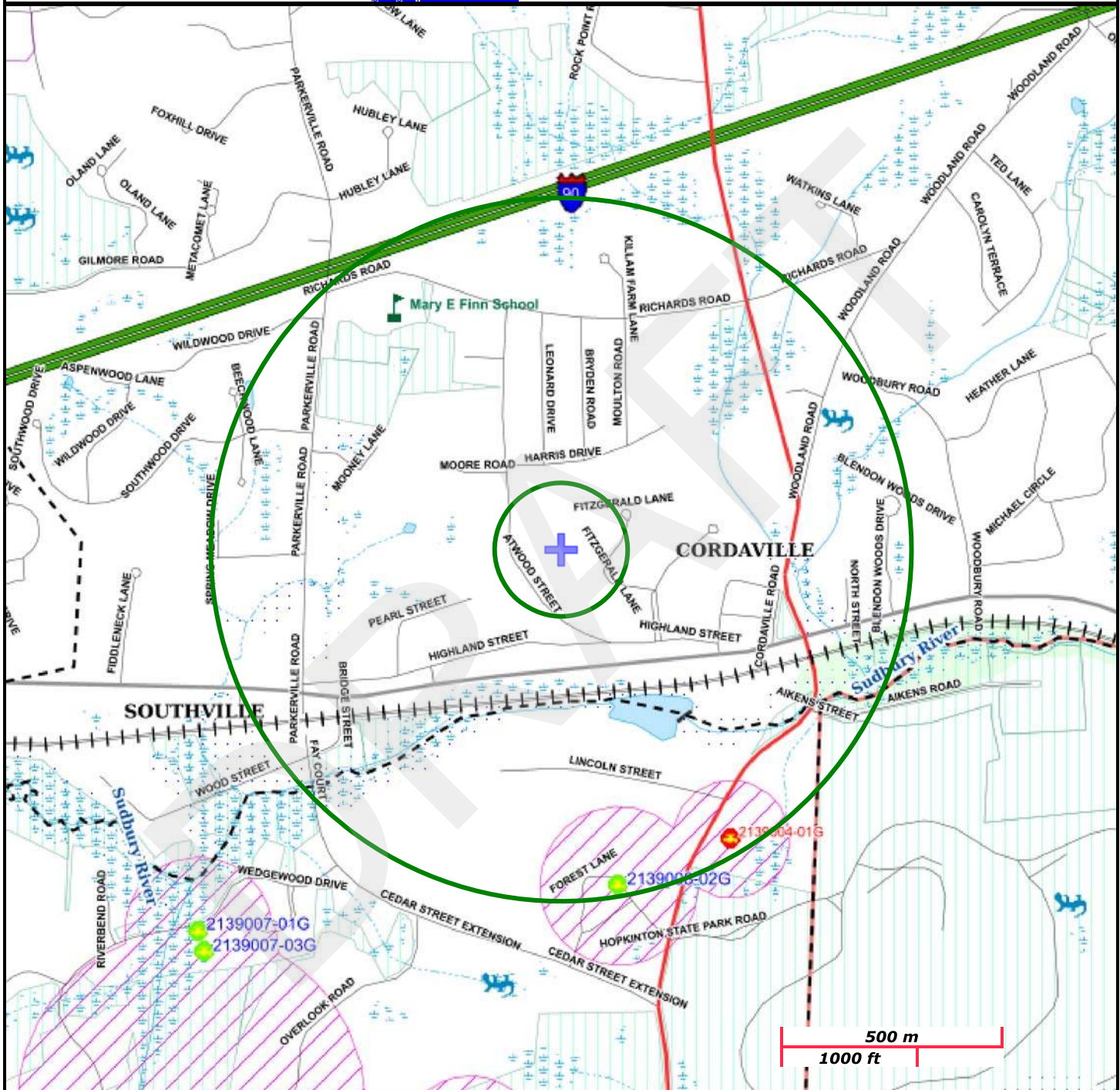
4682807mN , 291403mE (Zone: 19)
August 30, 2024

The information shown is the best available at the date of printing. However, it may be incomplete. The responsible party and LSP are ultimately responsible for ascertaining the true conditions surrounding the site. Metadata for data layers shown on this map can be found at:
<https://www.mass.gov/orgs/massgis-bureau-of-geographic-information>.



MassDEP

Commonwealth of Massachusetts
Department of Environmental Protection



Roads: Limited Access, Divided, Other Hwy, Major Road, Minor Road, Track, Trail

Boundaries: Town, County, DEP Region; Train; Powerline; Pipeline; Aqueduct

Basins: Major, PWS; Streams: Perennial, Intermittent, Man Made Shore, Dam

Aquifers: Medium Yield, High Yield, EPA Sole Source.....

Non Potential Drinking Water Source Area: Medium, High (Yield)...

PWS Protection Areas: Zone II, IWPA, Zone A

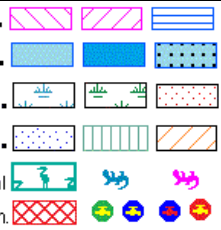
Hydrography: Open Water, PWS Reservoir, Tidal Flat

Wetlands: Freshwater, Saltwater, Cranberry Bog

FEMA 100yr Floodplain; Protected Open Space; ACEC

NHESP Pr-Hab of Rare Species; Vernal Pool: Cert., Potential

Solid Waste Landfill; PWS: Com.GW,SW, Emerg., Non-Com.



Legend

- Subject Property
- Area of Probable Drop Zone for Tank During Demolition
- Approx. Footing Location
- Sample Location (2/12/2024)
- Approx. Standpipe Location
- 10' Grid Proposed Sample Location (54" total depth, 5 samples/probe)
- 30' Grid Proposed Sample Location (30" total depth, 3 samples/probe)
- Preliminary Proposed Sample Locations on Abutting Parcel (Subject to change based on sampling results on the Town's property)
- Parcel



1 INCH = 30 FEET
0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING

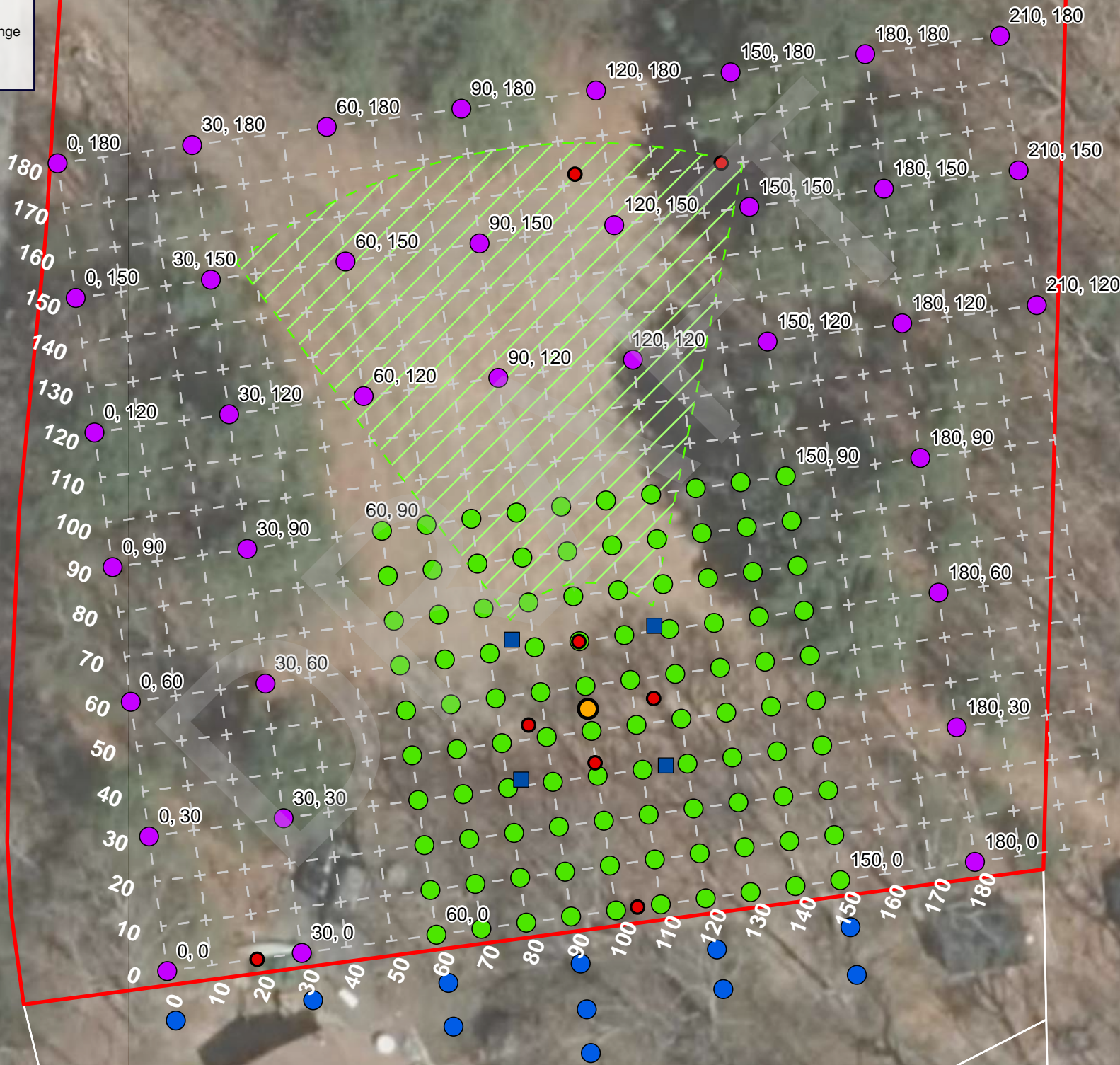


ATWOOD TANK
SOUTHBORO, MA

PROJECT NO.: 08176.30
DATE: MAY 2024
SCALE: AS NOTED

PROPOSED
SAMPLING
PLAN

0 10 20 30
US Feet



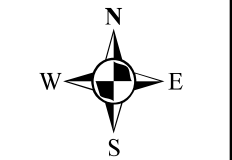
Legend

- Subject Property
- Approx. Footing Location
- Approx. Standpipe Location
- 200+ mg/kg Lead
- 100 – 199 mg/kg Lead
- Non Detection - 99 mg/kg
- Sampled June 2024
- Sampled February 2024
- Approximate area of TCLP concentrations exceeding 5 mg/L
- Total Lead above 1000 mg/Kg but lower than 5 mg/L Leachable Lead
- Soils above the state-wide background level of 100 mg/kg
- Drip Line
- Parcel

PARE CORPORATION
ENGINEERS - SCIENTISTS - PLANNERS
8 BLACKSTONE VALLEY PLACE
LINCOLN, RI 02865
401-334-4100



1 INCH = 30 FEET
0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING



ATWOOD TANK
SOUTHBOROUGH, MA

PROJECT NO.: 08176.31
DATE: AUGUST 2024
SCALE: AS NOTED

A LEVEL
SAMPLING
LOCATIONS



Legend

Subject Property

Approx. Footing Location

Approx. Standpipe Location

200+ mg/kg Lead

100 – 199 mg/kg Lead

Non Detection - 99 mg/kg

Sampled June 2024

Sampled February 2024

Approximate area of TCLP concentrations exceeding 5 mg/L

Total Lead above 1000 mg/Kg but lower than 5 mg/L Leachable Lead

Soils above the state-wide background level of 100 mg/kg

Drip Line

Parcel



PARE
CORPORATION

ENGINEERS - SCIENTISTS - PLANNERS
8 BLACKSTONE VALLEY PLACE
LINCOLN, RI 02865
401-334-4100



1 INCH = 30 FEET

0"1"

BAR IS ONE INCH ON ORIGINAL DRAWING



ATWOOD TANK
SOUTHBOROUGH, MA

PROJECT NO.: 08176.31
DATE: AUGUST 2024
SCALE: AS NOTED

B LEVEL
SAMPLING
LOCATIONS



Legend

- Subject Property
- Approx. Footing Location
- Approx. Standpipe Location
- 200+ mg/kg Lead
- Non Detection - 99 mg/kg
- Sampled June 2024
- Approximate area of TCLP concentrations exceeding 5 mg/L
- Total Lead above 1000 mg/Kg but lower than 5 mg/L Leachable Lead
- Soils above the state-wide background level of 100 mg/kg
- Drip Line
- Parcel

PARE CORPORATION
ENGINEERS - SCIENTISTS - PLANNERS
8 BLACKSTONE VALLEY PLACE
LINCOLN, RI 02865
401-334-4100



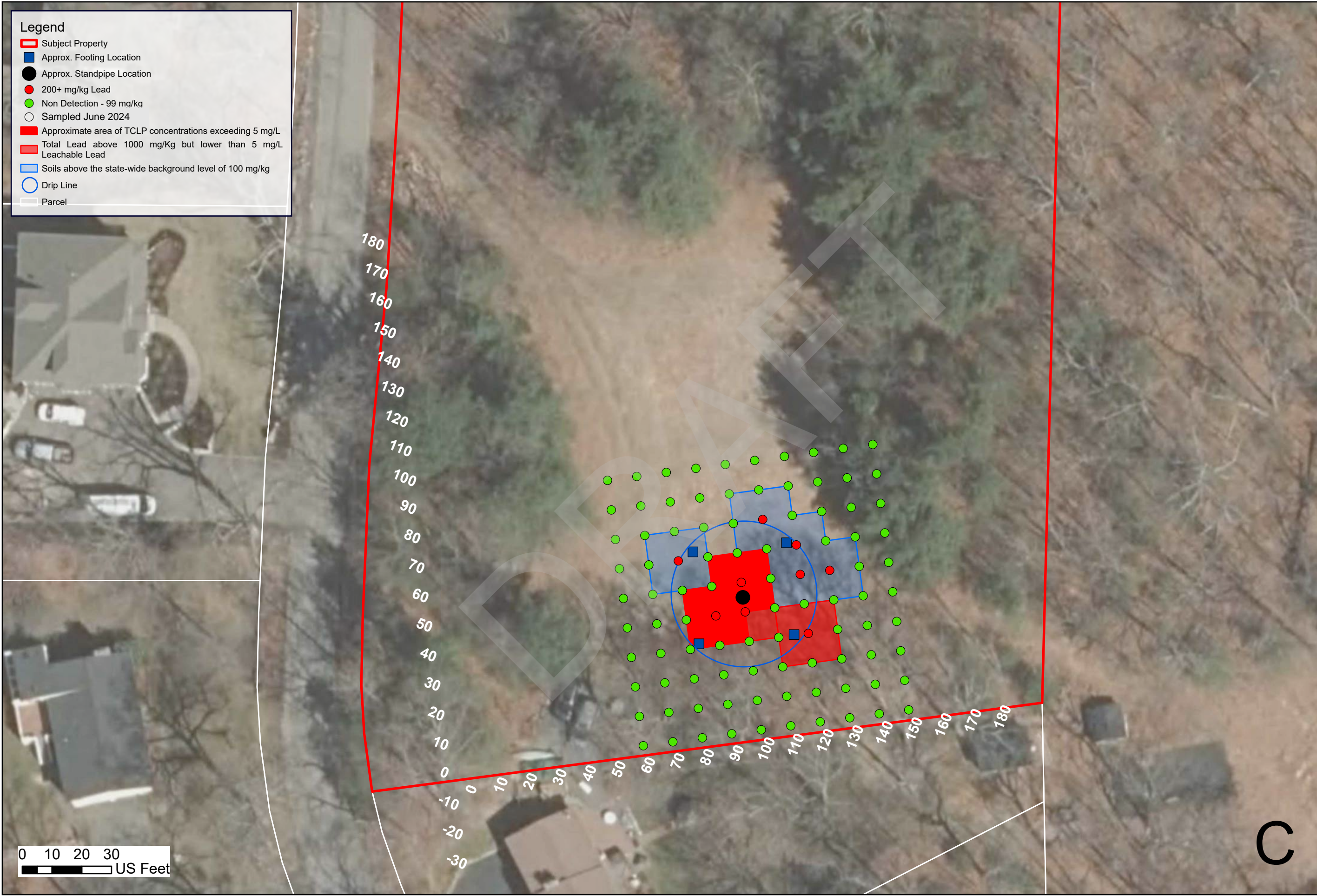
1 INCH = 30 FEET
0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING



ATWOOD TANK
SOUTHBOROUGH, MA

PROJECT NO.: 08176.31
DATE: AUGUST 2024
SCALE: AS NOTED

C LEVEL
SAMPLING
LOCATIONS

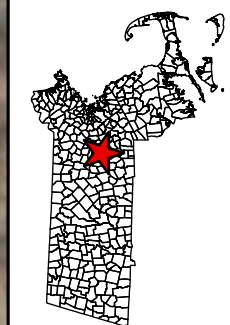
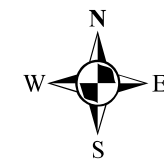


Legend

- Subject Property
- Approx. Footing Location
- Approx. Standpipe Location
- 200+ mg/kg Lead
- Non Detection - 99 mg/kg
- Sampled June 2024
- Soils above the state-wide background level of 100 mg/kg
- Drip Line
- Parcel



1 INCH = 30 FEET
0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING



ATWOOD TANK
SOUTHBOROUGH, MA

PROJECT NO.: 08176.31
DATE: AUGUST 2024
SCALE: AS NOTED

D LEVEL
SAMPLING
LOCATIONS

0 10 20 30
US Feet

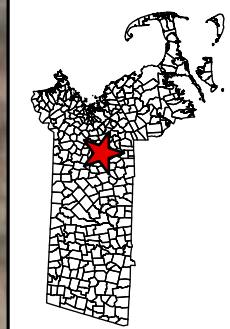
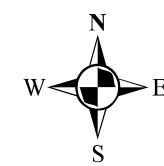


Legend

- Subject Property
- Approx. Footing Location
- Approx. Standpipe Location
- 100 – 199 mg/kg Lead
- Sampled June 2024
- Soil to be removed
- Drip Line
- Parcel



1 INCH = 30 FEET
0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING

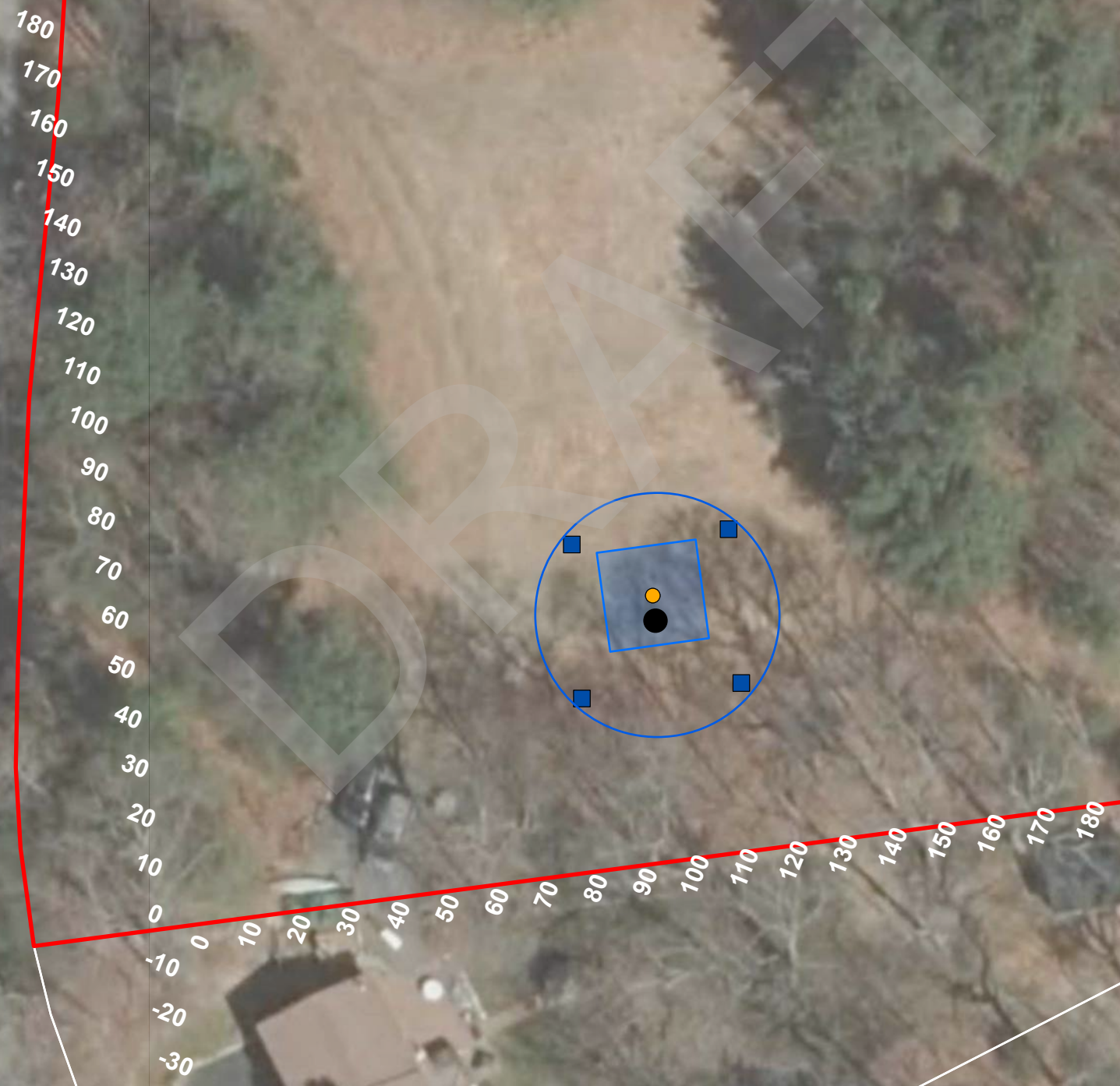


ATWOOD TANK
SOUTHBOROUGH, MA

PROJECT NO.: 08176.31
DATE: AUGUST 2024
SCALE: AS NOTED

E LEVEL
SAMPLING
LOCATIONS

0 10 20 30
US Feet



ATTACHMENT 2

TABLES

Table 1 – Summary Data Table Layer A (0-6) inches Below Ground Surface

Table 2 – Summary Data Table Layer B (12-18) inches Below Ground Surface

Table 3 – Summary Data Table Layer C (24-30) inches Below Ground Surface

Table 4 – Summary Data Table Layer D (36-42) inches Below Ground Surface

Table 5 – Summary Data Table Layer E (48-54) inches Below Ground Surface

Summary Data Table 1 Layer A (0-6) inches Below Ground Surface
Former Atwood Street Tank Site
Southborough Massachusetts






180	43.6	NS	NS	47.9	NS	NS	48.1	NS	NS	13.0	NS	NS	5.7	NS	NS	27.4	NS	NS	43.9	NS	NS	15.1
170	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
160	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
150	28.6	NS	NS	21.5	NS	NS	14.2	NS	NS	13.2	NS	NS	7.8	NS	NS	8.8	NS	NS	8.6	NS	NS	13.5
140	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
130	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
120	46.3	NS	NS	93.4	NS	NS	17.2	NS	NS	19.0	NS	NS	40.0	NS	NS	56.8	NS	NS	33.7	NS	NS	20.2
110	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
100	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
90	22.1	NS	NS	30.8	NS	NS	182.0	ND	ND	94.3	ND	ND	ND	ND	ND	1460.0	NS	NS	17.5	NS	NS	NS
80	NS	NS	NS	NS	NS	NS	461.0	991.0	190.0	163.0	135.0	382.0	232.0	107.0	212.0	827.0	NS	NS	NS	NS	NS	NS
70	NS	NS	NS	NS	NS	NS	530.0	359.0	17.3	16.6	20.2	37.2	27.5	371.0	286.0	1.7	NS	NS	NS	NS	NS	NS
60	139.0	NS	NS	281.0	NS	NS	219.0	21.5	58.5	19.3	24.8	61.3	11.2	475.0	421.0	164.0	NS	NS	29.9	NS	NS	NS
50	NS	NS	NS	NS	NS	NS	317.0	1310.0	21.4	166.0	47.7	56.4	17.2	498.0	106.0	109.0	NS	NS	NS	NS	NS	NS
40	NS	NS	NS	NS	NS	NS	54.4	358.0	18.1	30.1	59.1	67.7	33600.0	292.0	36.0	38.2	NS	NS	NS	NS	NS	NS
30	107.0	NS	NS	328.0	NS	NS	352.0	261.0	41.8	43.3	27.5	28.9	44.5	141.0	186.0	20.4	NS	NS	31.3	NS	NS	NS
20	NS	NS	NS	NS	NS	NS	522.0	168.0	65.4	30.0	92.9	19.0	39.2	132.0	44.0	32.6	NS	NS	NS	NS	NS	NS
10	NS	NS	NS	NS	NS	NS	574.0	779.0	213.0	79.1	119.0	1070.0	54.9	2.8	61.4	58.3	NS	NS	NS	NS	NS	NS
0	45.0	NS	NS	48.3	NS	NS	105.0	120.0	18.2	24.4	97.0	75.5	17.7	113.0	33.2	54.5	NS	NS	18.3	NS	NS	NS
	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210
-10	37.6	NS	NS	82.1	NS	NS	23.1	NS	NS	122.0	NS	NS	22.3	NS	NS	70.0	NS	NS	NS	NS	NS	NS
-20	NS	NS	NS	NS	NS	NS	85.5	NS	NS	79.6	NS	NS	105.0	NS	NS	17.0	NS	NS	NS	NS	NS	NS
-30	NS	NS	NS	NS	NS	NS	NS	NS	NS	51.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Legend:	
<div></div>	<100 ppm
<div></div>	100 to 200 ppm
<div></div>	200 to 1,000 ppm
<div></div>	> 1,000 ppm
<div></div>	TCLP > 5 ppm
ND	No Detection
NS	No Sample Taken

Duplicate Values	
60,30AA	352
80,50AA	21.4
80,90AA	ND
90,20AA	46.8
150,10AA	23.6

Summary Data Table 2 Layer B (12-18) inches Below Ground Surface
Former Atwood Street Tank Site
Southborough Massachusetts

180	16.2	NS	NS	3.1	NS	NS	4.2	NS	NS	2.7	NS	NS	2.5	NS	NS	4.3	NS	NS	9.1	NS	NS	4.1
170	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
160	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
150	5.7	NS	NS	3.4	NS	NS	7.6	NS	NS	4.8	NS	NS	4.4	NS	NS	2.9	NS	NS	2.7	NS	NS	7.6
140	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
130	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
120	10.9	NS	NS	3.9	NS	NS	3.6	NS	NS	3.1	NS	NS	3.7	NS	NS	4.6	NS	NS	7.1	NS	NS	6.7
110	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
100	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
90	3.2	NS	NS	3.2	NS	NS	105.0	106.0	124.0	22.1	176.0	175.0	52.2	238.0	784.0	162.0	NS	NS	4.1	NS	NS	NS
80	NS	NS	NS	NS	NS	NS	ND	ND	0.9	5.2	78.2	8.7	1.1	15.7	5.4	175.0	NS	NS	NS	NS	NS	NS
70	NS	NS	NS	NS	NS	NS	1.4	2.7	112.0	459.0	7.3	19.4	181.0	14.3	6700.0	21.0	NS	NS	NS	NS	NS	NS
60	5.0	NS	NS	10.0	NS	NS	1.6	74.7	49.1	6.4	17.7	78.6	54.0	22.3	4.5	32.6	NS	NS	3.2	NS	NS	NS
50	NS	NS	NS	NS	NS	NS	42.5	112.0	9690.0	369.0	69.6	20.0	5.9	10.1	2.9	4.6	NS	NS	NS	NS	NS	NS
40	NS	NS	NS	NS	NS	NS	3.4	35.5	115.0	10.0	58.0	357.0	36.4	13.6	3.9	12.6	NS	NS	NS	NS	NS	NS
30	17.3	NS	NS	26.3	NS	NS	7.1	25.4	10.7	386.0	447.0	80.5	76.9	11.5	6.8	4.1	NS	NS	4.6	NS	NS	NS
20	NS	NS	NS	NS	NS	NS	12.5	8.0	31.5	55.1	188.0	33.7	1110.0	5.6	12.6	6.5	NS	NS	NS	NS	NS	NS
10	NS	NS	NS	NS	NS	NS	152.0	25.7	81.9	3.7	26.1	11.9	51.4	226.0	10.5	12.1	NS	NS	NS	NS	NS	NS
0	20.0	NS	NS	11.4	NS	NS	36.6	9.7	9.0	7.8	8.0	18.2	7.9	5.2	6.9	13.9	NS	NS	6.7	NS	NS	NS
	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210
-10	4.9	NS	NS	12.0	NS	NS	5.6	NS	NS	3.2	NS	NS	6.5	NS	NS	15.7	NS	NS	NS	NS	NS	NS
-20	NS	NS	NS	NS	NS	NS	39.5	NS	NS	4.9	NS	NS	5.4	NS	NS	7.6	NS	NS	NS	NS	NS	NS
-30	NS	NS	NS	NS	NS	NS	NS	NS	NS	10.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Legend:	
	<100 ppm
	100 to 200 ppm
	200 to 1,000 ppm
	> 1,000 ppm
	TCLP > 5 ppm
ND	No Detection
NS	No Sample Taken

Duplicate Values				
0,08B	6.63		120,50BB	6.83
30,08B	12		120,150BB	5.61
60,-108B	6.75		130,108B	10.7
60,708B	1.59		130,608B	10.3
60,1808B	5.29		150,808B	144
80,308B	5.91		180,1808B	6.47
90,-108B	5.77		210,1808B	3.19

Summary Data Table 3 Layer C (24-30) inches Below Ground Surface
Former Atwood Street Tank Site
Southborough Massachusetts

180	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
170	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
160	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
150	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
140	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
130	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
120	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
110	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
100	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
90	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	2.4	ND	ND	13.2	3.6	NS	NS	NS	NS	NS	NS
80	NS	NS	NS	NS	NS	NS	ND	ND	1.3	ND	ND	ND	ND	3.3	0.9	1.0	NS	NS	NS	NS	NS	NS
70	NS	NS	NS	NS	NS	NS	ND	ND	1.7	ND	62.3	275.0	ND	ND	2.6	1.5	NS	NS	NS	NS	NS	NS
60	NS	NS	NS	NS	NS	NS	0.8	1.3	285.0	40.9	4.6	14.4	963.0	1.2	ND	ND	NS	NS	NS	NS	NS	NS
50	NS	NS	NS	NS	NS	NS	4.1	1.0	5.3	27.4	1880.0	3.2	728.0	439.0	0.8	1.0	NS	NS	NS	NS	NS	NS
40	NS	NS	NS	NS	NS	NS	2.7	18.9	1.9	715.0	1910.0	29.4	18.6	9.5	2.6	0.8	NS	NS	NS	NS	NS	NS
30	NS	NS	NS	NS	NS	NS	3.9	2.7	2.7	3.9	3.7	54.4	1260.0	2.9	5.4	3.7	NS	NS	NS	NS	NS	NS
20	NS	NS	NS	NS	NS	NS	2.9	2.1	2.6	2.1	0.9	2.1	7.1	2.7	6.0	2.9	NS	NS	NS	NS	NS	NS
10	NS	NS	NS	NS	NS	NS	41.5	3.4	6.2	2.3	2.6	5.4	5.4	30.7	2.9	5.9	NS	NS	NS	NS	NS	NS
0	NS	NS	NS	NS	NS	NS	5.4	3.3	6.1	9.6	6.2	4.9	2.9	3.6	6.0	3.0	NS	NS	NS	NS	NS	NS
	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210
-10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
-20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
-30	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Legend:	
<div></div>	<100 ppm
<div></div>	100 to 200 ppm
<div></div>	200 to 1,000 ppm
<div></div>	> 1,000 ppm
<div></div>	TCLP > 5 ppm
ND	No Detection
NS	No Sample Taken

Duplicate Values			
90,60CC	36.9	120,30CC	1230
100,40CC	443	130,20CC	2.45
110,10CC	4.04	130,70CC	ND
110,80CC	ND	140,90CC	1.54

Summary Data Table 4 Layer D (36-42) inches Below Ground Surface
Former Atwood Street Tank Site
Southborough Massachusetts






180	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
170	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
160	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
150	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
140	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
130	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
120	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
110	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
100	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
90	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS
80	NS	NS	NS	NS	NS	NS	0.7	1.0	0.8	1.2	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS
70	NS	NS	NS	NS	NS	NS	1.4	1.7	2.5	ND	ND	3.8	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS
60	NS	NS	NS	NS	NS	NS	ND	ND	7.7	1.3	ND	83.5	20.8	1.3	ND	1.3	NS	NS	NS	NS	NS	NS
50	NS	NS	NS	NS	NS	NS	0.6	ND	4.1	1.6	226.0	2.1	6.0	13.9	1.6	1.8	NS	NS	NS	NS	NS	NS
40	NS	NS	NS	NS	NS	NS	1.3	1.3	1.5	3.1	2.9	2.9	4.8	1.5	1.0	1.5	NS	NS	NS	NS	NS	NS
30	NS	NS	NS	NS	NS	NS	2.0	1.6	4.6	3.0	2.6	12.7	38.8	4.0	1.8	1.7	NS	NS	NS	NS	NS	NS
20	NS	NS	NS	NS	NS	NS	3.1	3.0	3.1	2.3	3.6	4.4	1.9	5.1	2.5	1.9	NS	NS	NS	NS	NS	NS
10	NS	NS	NS	NS	NS	NS	11.2	4.0	2.7	3.0	2.8	2.7	4.2	4.2	2.3	3.3	NS	NS	NS	NS	NS	NS
0	NS	NS	NS	NS	NS	NS	NS	NS	4.2	3.4	2.3	5.2	2.3	2.9	NS	2.6	NS	NS	NS	NS	NS	NS
	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210
-10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
-20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
-30	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Legend:	
<div></div>	<100 ppm
<div></div>	100 to 200 ppm
<div></div>	200 to 1,000 ppm
<div></div>	> 1,000 ppm
<div></div>	TCLP > 5 ppm
ND	No Detection
NS	No Sample Taken

Duplicate Values	
60,50DD	ND
80,10DD	2.67
90,40DD	1.81
90,80DD	ND
100,70DD	1.59

**Summary Data Table 5 Layer E (48-54) inches Below Ground Surface
Former Atwood Street Tank Site
Southborough Massachusetts**

180	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
170	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
160	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
150	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
140	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
130	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
120	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
110	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
100	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
90	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
80	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
70	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
60	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
50	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	126.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
40	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
30	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210
-10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
-20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
-30	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Legend:	
	<100 ppm
	100 to 200 ppm
	200 to 1,000 ppm
	> 1,000 ppm
	TCLP > 5 ppm
ND	No Detection
NS	No Sample Taken

ATTACHMENT 3
NETLAB ANALYTICAL REPORTS –
TOTAL LEAD SOIL SAMPLES



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F27023

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 29-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/27/24. 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 4F27023. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F27023-01	0.90 A	Soil	06/26/2024	06/27/2024
4F27023-02	0.90 B	Soil	06/26/2024	06/27/2024
4F27023-04	0.120 A	Soil	06/26/2024	06/27/2024
4F27023-05	0.120 B	Soil	06/26/2024	06/27/2024
4F27023-07	0.150 A	Soil	06/26/2024	06/27/2024
4F27023-08	0.150 B	Soil	06/26/2024	06/27/2024
4F27023-10	0.180 A	Soil	06/26/2024	06/27/2024
4F27023-11	0.180 B	Soil	06/26/2024	06/27/2024
4F27023-13	30.0 A	Soil	06/26/2024	06/27/2024
4F27023-14	30.0 B	Soil	06/26/2024	06/27/2024

Request for Analysis

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

0.120 A (Lab Number: 4F27023-04)

Lead

Method

EPA 6010C

0.120 B (Lab Number: 4F27023-05)

Lead

Method

EPA 6010C

0.150 A (Lab Number: 4F27023-07)

Lead

Method

EPA 6010C

0.150 B (Lab Number: 4F27023-08)

Lead

Method

EPA 6010C

0.180 A (Lab Number: 4F27023-10)

Lead

Method

EPA 6010C

0.180 B (Lab Number: 4F27023-11)

Lead

Method

EPA 6010C

0.90 A (Lab Number: 4F27023-01)

Lead

Method

EPA 6010C

0.90 B (Lab Number: 4F27023-02)

Lead

Method

EPA 6010C

30.0 A (Lab Number: 4F27023-13)

Lead

Method

EPA 6010C

30.0 B (Lab Number: 4F27023-14)

Lead

Method

EPA 6010C

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: 0.90 A
Lab Number: 4F27023-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	22.1		0.73	mg/kg	07/02/24	07/26/24

Results: Total Metals

Sample: 0.90 B
Lab Number: 4F27023-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	3.20		0.59	mg/kg	07/02/24	07/26/24

Results: Total Metals

Sample: 0.120 A
Lab Number: 4F27023-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	46.3		0.75	mg/kg	07/02/24	07/26/24

Results: Total Metals

Sample: 0.120 B
Lab Number: 4F27023-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	10.9		0.64	mg/kg	07/02/24	07/26/24

Results: Total Metals

Sample: 0.150 A
Lab Number: 4F27023-07 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	28.6		0.62	mg/kg	07/02/24	07/26/24

Results: Total Metals

Sample: 0.150 B
Lab Number: 4F27023-08 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	5.67		0.62	mg/kg	07/02/24	07/26/24

Results: Total Metals

Sample: 0.180 A
Lab Number: 4F27023-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	43.6		0.67	mg/kg	07/02/24	07/26/24

Results: Total Metals

Sample: 0.180 B
Lab Number: 4F27023-11 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	16.2		0.69	mg/kg	07/02/24	07/26/24

Results: Total Metals

Sample: 30.0 A
Lab Number: 4F27023-13 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	48.3		0.60	mg/kg	07/02/24	07/26/24

Results: Total Metals

Sample: 30.0 B
Lab Number: 4F27023-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	11.4		0.61	mg/kg	07/02/24	07/26/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4G0085 - Metals Digestion Soils										
Blank (B4G0085-BLK1)										
Lead	ND		0.50	mg/kg						Prepared: 07/02/24 Analyzed: 07/19/24
Blank (B4G0085-BLK2)										
Lead	ND		0.50	mg/kg						Prepared: 07/02/24 Analyzed: 07/26/24
LCS (B4G0085-BS1)										
Lead	99.8		0.50	mg/kg	100		99.8	85-115		Prepared: 07/02/24 Analyzed: 07/19/24
LCS (B4G0085-BS2)										
Lead	99.1		0.50	mg/kg	100		99.1	85-115		Prepared: 07/02/24 Analyzed: 07/26/24

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522

Chain of Custody Record



4 F 2 7023%

Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site			Matrix			No. of Containers	Preservative	Tests**							
Client: Town of Southborough																	
Report To: mflynn@parecorp.com																	
Invoice To: Accounting																	
Date	Time	Comp	Grab	Sample I.D.	Aqueous	Soil	Other	Lead									
6/26/24	11:50		✓	0.90 A		✓		1	✓								
6/26/24	11:50		✓	0.90 B		✓		1	✓								
6/26/24	11:50		✓	0.90 C *		✓		1	✓								
6/26/24	11:55		✓	0.120 A		✓		1	✓								
6/26/24	11:55		✓	0.120 B		✓		1	✓								
6/26/24	11:55		✓	0.120 C *		✓		1	✓								
6/26/24	12:00		✓	0.150 A		✓		1	✓								
6/26/24	12:00		✓	0.150 B		✓		1	✓								
6/26/24	12:00		✓	0.150 C *		✓		1	✓								
6/26/24	12:05		✓	0.180 A		✓		1	✓								
6/26/24	12:05		✓	0.180 B		✓		1	✓								
6/26/24	12:05		✓	0.180 C *		✓		1	✓								
6/26/24	13:10		✓	30.0 A		✓		1	✓								
6/26/24	13:10		✓	30.0 B		✓		1	✓								
Sampled By: Selma Hsu		Date/Time 6/26/24 1535	Received By: [Signature]		Date/Time 6/26/24 1535	Laboratory Remarks:			Special Instructions: *: Hold all "*" samples								
Relinquished By: [Signature]		Date/Time 6/27/24 856	Received By: [Signature]		Date/Time 6/27/24 0856	Temp. Received: 4											

**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

Turnaround Time [Business Days]: 5 Days

[Signature] 6/27/24
0945

[Signature] 6/27/24
945

✓ CA

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 08176.30

Project Location: Southborough, MA

RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
4F27023

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 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 actions 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
----------	---	--

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.

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

¹All 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: Mike McCallum

Date: 7/29/2024



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F27025

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 29-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/27/24. 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 4F27025. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F27025-02	30.0 BB	Soil	06/26/2024	06/27/2024
4F27025-03	30.30 A	Soil	06/26/2024	06/27/2024
4F27025-04	30.30 B	Soil	06/26/2024	06/27/2024
4F27025-06	30.60 A	Soil	06/26/2024	06/27/2024
4F27025-07	30.60 B	Soil	06/26/2024	06/27/2024
4F27025-09	30.90 A	Soil	06/26/2024	06/27/2024
4F27025-10	30.90 B	Soil	06/26/2024	06/27/2024
4F27025-12	30.120 A	Soil	06/26/2024	06/27/2024
4F27025-13	30.120 B	Soil	06/26/2024	06/27/2024

Request for Analysis

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

30.0 BB (Lab Number: 4F27025-02)

Lead

Method

EPA 6010C

30.120 A (Lab Number: 4F27025-12)

Lead

Method

EPA 6010C

30.120 B (Lab Number: 4F27025-13)

Lead

Method

EPA 6010C

30.30 A (Lab Number: 4F27025-03)

Lead

Method

EPA 6010C

30.30 B (Lab Number: 4F27025-04)

Lead

Method

EPA 6010C

30.60 A (Lab Number: 4F27025-06)

Lead

Method

EPA 6010C

30.60 B (Lab Number: 4F27025-07)

Lead

Method

EPA 6010C

30.90 A (Lab Number: 4F27025-09)

Lead

Method

EPA 6010C

30.90 B (Lab Number: 4F27025-10)

Lead

Method

EPA 6010C

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: 30.0 BB
Lab Number: 4F27025-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	12.0		0.68	mg/kg	07/02/24	07/26/24

Results: Total Metals

Sample: 30.30 A
Lab Number: 4F27025-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	328		0.69	mg/kg	07/02/24	07/26/24

Results: Total Metals

Sample: 30.30 B
Lab Number: 4F27025-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	26.3		0.60	mg/kg	07/02/24	07/26/24

Results: Total Metals

Sample: 30.60 A
Lab Number: 4F27025-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	281		0.64	mg/kg	07/02/24	07/26/24

Results: Total Metals

Sample: 30.60 B
Lab Number: 4F27025-07 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	9.99		0.62	mg/kg	07/02/24	07/26/24

Results: Total Metals

Sample: 30.90 A
Lab Number: 4F27025-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	30.8		0.60	mg/kg	07/02/24	07/26/24

Results: Total Metals

Sample: 30.90 B
Lab Number: 4F27025-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	3.21		0.63	mg/kg	07/02/24	07/26/24

Results: Total Metals

Sample: 30.120 A
Lab Number: 4F27025-12 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	93.4		0.75	mg/kg	07/02/24	07/26/24

Results: Total Metals

Sample: 30.120 B
Lab Number: 4F27025-13 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	3.87		0.69	mg/kg	07/02/24	07/26/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4G0085 - Metals Digestion Soils										
Blank (B4G0085-BLK1)										
Lead	ND		0.50	mg/kg						Prepared: 07/02/24 Analyzed: 07/19/24
Blank (B4G0085-BLK2)										
Lead	ND		0.50	mg/kg						Prepared: 07/02/24 Analyzed: 07/26/24
LCS (B4G0085-BS1)										
Lead	99.8		0.50	mg/kg	100		99.8	85-115		Prepared: 07/02/24 Analyzed: 07/19/24
LCS (B4G0085-BS2)										
Lead	99.1		0.50	mg/kg	100		99.1	85-115		Prepared: 07/02/24 Analyzed: 07/26/24

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522



4 F 2 7025 1

Chain of Custody Record

Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site		Matrix		No. of Containers	Preservative	Tests**							
Client: Town of Southborough		Report To: mflynn@parecorp.com						Aqueous	Soil	Other	Lead				
Invoice To: Accounting		Date	Time	Comp	Grab	Sample I.D.									
6/24/24	13:10		✓			30,0 C*	✓		1		✓				
6/24/24	13:10		✓			30,0 BB	✓		1		✓				
6/24/24	13:15		✓			30,30 A	✓		1		✓				
6/24/24	13:15		✓			30,30 B	✓		1		✓				
6/24/24	13:15		✓			30,30 C*	✓		1		✓				
6/24/24	13:20		✓			30,60 A	✓		1		✓				
6/24/24	13:20		✓			30,60 B	✓		1		✓				
6/24/24	13:20		✓			30,60 C*	✓		1		✓				
6/24/24	13:25		✓			30,90 A	✓		1		✓				
6/24/24	13:25		✓			30,90 B	✓		1		✓				
6/24/24	13:25		✓			30,90 C*	✓		1		✓				
6/24/24	13:30		✓			30,120 A	✓		1		✓				
6/24/24	13:30		✓			30,120 B	✓		1		✓				
6/24/24	13:30		✓			30,120 C*	✓		1		✓				
Sampled By: <i>[Signature]</i>		Date/Time 6/26/24 1535	Received By: <i>[Signature]</i>		Date/Time 6/26/24 1535	Laboratory Remarks:		Special Instructions:							
Relinquished By: <i>[Signature]</i>		Date/Time 6/27/24 856	Received By: <i>[Signature]</i>		Date/Time 6/27/24 0856	Temp. Received: 3									

**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

Turnaround Time [Business Days]: 5 Days

[Signature] 6/27/24 0945
[Signature] 6/27/24 945

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 08176.30

Project Location: Southborough, MA

RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
4F27025

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 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 actions 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
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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.

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

¹All 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: Mike McCallum

Date: 7/29/2024



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F27029

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 29-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/27/24. 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 4F27029. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F27029-01	30.150 A	Soil	06/26/2024	06/27/2024
4F27029-02	30.150 B	Soil	06/26/2024	06/27/2024
4F27029-04	30.180 A	Soil	06/26/2024	06/27/2024
4F27029-05	30.180 B	Soil	06/26/2024	06/27/2024
4F27029-07	210.180 A	Soil	06/26/2024	06/27/2024
4F27029-08	210.180 B	Soil	06/26/2024	06/27/2024
4F27029-10	210.180 BB	Soil	06/26/2024	06/27/2024
4F27029-11	210.150 A	Soil	06/26/2024	06/27/2024
4F27029-12	210.150 B	Soil	06/26/2024	06/27/2024
4F27029-14	210.120 A	Soil	06/26/2024	06/27/2024

Request for Analysis

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

210.120 A (Lab Number: 4F27029-14)

Lead

Method

EPA 6010C

210.150 A (Lab Number: 4F27029-11)

Lead

Method

EPA 6010C

210.150 B (Lab Number: 4F27029-12)

Lead

Method

EPA 6010C

210.180 A (Lab Number: 4F27029-07)

Lead

Method

EPA 6010C

210.180 B (Lab Number: 4F27029-08)

Lead

Method

EPA 6010C

210.180 BB (Lab Number: 4F27029-10)

Lead

Method

EPA 6010C

30.150 A (Lab Number: 4F27029-01)

Lead

Method

EPA 6010C

30.150 B (Lab Number: 4F27029-02)

Lead

Method

EPA 6010C

30.180 A (Lab Number: 4F27029-04)

Lead

Method

EPA 6010C

30.180 B (Lab Number: 4F27029-05)

Lead

Method

EPA 6010C

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: 30.150 A
Lab Number: 4F27029-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	21.5		0.71	mg/kg	07/02/24	07/26/24

Results: Total Metals

Sample: 30.150 B
Lab Number: 4F27029-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	3.37		0.62	mg/kg	07/02/24	07/26/24

Results: Total Metals

Sample: 30.180 A
Lab Number: 4F27029-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	47.9		0.67	mg/kg	07/02/24	07/26/24

Results: Total Metals

Sample: 30.180 B
Lab Number: 4F27029-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	3.07		0.61	mg/kg	07/02/24	07/26/24

Results: Total Metals

Sample: 210.180 A
Lab Number: 4F27029-07 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	15.1		0.70	mg/kg	07/02/24	07/27/24

Results: Total Metals

Sample: 210.180 B
Lab Number: 4F27029-08 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	4.06		0.68	mg/kg	07/02/24	07/27/24

Results: Total Metals

Sample: 210.180 BB
Lab Number: 4F27029-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	3.19		0.66	mg/kg	07/02/24	07/27/24

Results: Total Metals

Sample: 210.150 A
Lab Number: 4F27029-11 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	13.5		0.67	mg/kg	07/02/24	07/27/24

Results: Total Metals

Sample: 210.150 B
Lab Number: 4F27029-12 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	7.62		0.70	mg/kg	07/02/24	07/27/24

Results: Total Metals

Sample: 210.120 A
Lab Number: 4F27029-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	20.2		0.71	mg/kg	07/02/24	07/27/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4G0085 - Metals Digestion Soils										
Blank (B4G0085-BLK1)										
Lead	ND		0.50	mg/kg						Prepared: 07/02/24 Analyzed: 07/19/24
Blank (B4G0085-BLK2)										
Lead	ND		0.50	mg/kg						Prepared: 07/02/24 Analyzed: 07/26/24
LCS (B4G0085-BS1)										
Lead	99.8		0.50	mg/kg	100		99.8	85-115		Prepared: 07/02/24 Analyzed: 07/19/24
LCS (B4G0085-BS2)										
Lead	99.1		0.50	mg/kg	100		99.1	85-115		Prepared: 07/02/24 Analyzed: 07/26/24

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522

Chain of Custody Record



Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site		Matrix		No. of Containers	Preservative	Tests**					
Client: Town of Southborough		Report To: mflynn@parecorp.com						Aqueous	Soil	Other	Lead		
Invoice To: Accounting		Sample I.D.		Comp	Grab								
Date	Time												
6/27/24	13:35		✓	30,150 A		✓		1		✓			
6/27	13:35		✓	30,150 B		✓		1		✓			
6/27	13:35		✓	30,150 C*		✓		1		✓			
6/27	13:40		✓	30,180 A		✓		1		✓			
6/27	13:40		✓	30,180 B		✓		1		✓			
6/27	13:40		✓	30,180 C*		✓		1		✓			
6/27	14:05		✓	210,180 A		✓		1		✓			
6/27	14:05		✓	210,180 B		✓		1		✓			
6/27	14:05		✓	210,180 C*		✓		1		✓			
6/27	14:05		✓	210,180 BB		✓		1		✓			
6/27	14:10		✓	210,150 A		✓		1		✓			
6/27	14:10		✓	210,150 B		✓		1		✓			
6/27	14:10		✓	210,150 C*		✓		1		✓			
6/27	14:20		✓	210,120 A		✓		1		✓			
Sampled By: <i>[Signature]</i>		Date/Time 6/26/24 1535	Received By: <i>[Signature]</i>		Date/Time 6/26/24 1535	Laboratory Remarks:		Special Instructions:					
Relinquished By: <i>[Signature]</i>		Date/Time 6/27/24 0856	Received By: <i>[Signature]</i>		Date/Time 6/27/24 0856	Temp. Received: 3							

**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

Turnaround Time [Business Days] 5 Days

[Signature] 6/27/24
0945

[Signature] 6/27/24
945

[Signature]

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 08176.30

Project Location: Southborough, MA

RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
4F27029

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 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 actions 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
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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.

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

¹All 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: Mike McCallum

Date: 7/29/2024



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F27032

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 29-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/27/24. 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 4F27032. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F27032-01	30.-10 A	Soil	06/26/2024	06/27/2024
4F27032-02	30.-10 B	Soil	06/26/2024	06/27/2024
4F27032-04	0.-10 A	Soil	06/26/2024	06/27/2024
4F27032-05	0.-10 B	Soil	06/26/2024	06/27/2024
4F27032-07	60.-10 A	Soil	06/26/2024	06/27/2024
4F27032-08	60.-10 B	Soil	06/26/2024	06/27/2024
4F27032-10	60.-10 BB	Soil	06/26/2024	06/27/2024
4F27032-11	60.-20 A	Soil	06/26/2024	06/27/2024
4F27032-12	60.-20 B	Soil	06/26/2024	06/27/2024
4F27032-14	90.-10 A	Soil	06/26/2024	06/27/2024

Request for Analysis

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

0.-10 A (Lab Number: 4F27032-04)

Lead

Method

EPA 6010C

0.-10 B (Lab Number: 4F27032-05)

Lead

Method

EPA 6010C

30.-10 A (Lab Number: 4F27032-01)

Lead

Method

EPA 6010C

30.-10 B (Lab Number: 4F27032-02)

Lead

Method

EPA 6010C

60.-10 A (Lab Number: 4F27032-07)

Lead

Method

EPA 6010C

60.-10 B (Lab Number: 4F27032-08)

Lead

Method

EPA 6010C

60.-10 BB (Lab Number: 4F27032-10)

Lead

Method

EPA 6010C

60.-20 A (Lab Number: 4F27032-11)

Lead

Method

EPA 6010C

60.-20 B (Lab Number: 4F27032-12)

Lead

Method

EPA 6010C

90.-10 A (Lab Number: 4F27032-14)

Lead

Method

EPA 6010C

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: 30.-10 A
Lab Number: 4F27032-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	82.1		0.65	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 30.-10 B
Lab Number: 4F27032-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	12.0		0.87	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 0.-10 A
Lab Number: 4F27032-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	37.6		0.72	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 0.-10 B
Lab Number: 4F27032-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	4.90		0.65	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 60.-10 A
Lab Number: 4F27032-07 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	23.1		1.02	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 60.-10 B
Lab Number: 4F27032-08 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	5.58		0.60	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 60.-10 BB
Lab Number: 4F27032-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	6.75		0.77	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 60.-20 A
Lab Number: 4F27032-11 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	85.5		0.72	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 60.-20 B
Lab Number: 4F27032-12 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	39.5		0.69	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 90.-10 A
Lab Number: 4F27032-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	122		0.75	mg/kg	07/03/24	07/27/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4G0176 - Metals Digestion Soils										
Blank (B4G0176-BLK1)										
Lead	ND		0.50	mg/kg						Prepared: 07/03/24 Analyzed: 07/27/24
Blank (B4G0176-BLK2)										
Lead	ND		0.50	mg/kg						Prepared: 07/03/24 Analyzed: 07/27/24
LCS (B4G0176-BS1)										
Lead	108		0.50	mg/kg	100		108	85-115		Prepared: 07/03/24 Analyzed: 07/27/24
LCS (B4G0176-BS2)										
Lead	106		0.50	mg/kg	100		106	85-115		Prepared: 07/03/24 Analyzed: 07/27/24

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522



4 F 2 7032 C

Chain of Custody Record

Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site			Matrix			No. of Containers	Preservative	Tests**					
Client: Town of Southborough															
Report To: mflynn@parecorp.com															
Invoice To: Accounting															
Date	Time	Comp	Grab	Sample I.D.	Aqueous	Soil	Other	Lead							
6/26/24	10:25		✓	30,-10 A		✓		1	✓						
6/26/24	10:25		✓	30,-10 B		✓		1	✓						
6/26/24	10:25		✓	30,-10 C *		✓		1	✓						
6/26/24	10:30		✓	0,-10 A		✓		1	✓						
6/26/24	10:30		✓	0,-10 B		✓		1	✓						
6/26/24	10:30		✓	0,-10 C *		✓		1	✓						
6/26/24	10:35		✓	60,-10 A		✓		1	✓						
6/26/24	10:35		✓	60,-10 B		✓		1	✓						
6/26/24	10:35		✓	60,-10 C *		✓		1	✓						
6/26/24	10:35		✓	60,-10 BB		✓		1	✓						
6/26/24	10:40		✓	60,-20 A		✓		1	✓						
6/26/24	10:40		✓	60,-20 B		✓		1	✓						
6/26/24	10:40		✓	60,-20 C *		✓		1	✓						
6/26/24	10:45		✓	90,-10 A		✓		1	✓						
Sampled By: Jalby Hue		Date/Time 6/26/24 1500	Received By: [Signature]		Date/Time 6/26/24 1500	Laboratory Remarks:			Special Instructions: * Hold all "*" samples						
Relinquished By: [Signature]		Date/Time 6/27/24 0850	Received By: [Signature]		Date/Time 6/27/24 0850	Temp. Received: 3									

**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

Turnaround Time [Business Days]: 5 Days

[Signature] 6/27/24
0945

[Signature] 6/27/24
945

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 08176.30

Project Location: Southborough, MA

RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
4F27032

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 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 actions 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
----------	---	--

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.

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

¹All 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: Mike McCallum

Position: Laboratory Director

Printed Name: Mike McCallum

Date: 7/29/2024



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F27018

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 23-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/27/24. 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 4F27018. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F27018-01	60.0 C	Soil	06/26/2024	06/27/2024
4F27018-03	70.0 A	Soil	06/26/2024	06/27/2024
4F27018-04	70.0 B	Soil	06/26/2024	06/27/2024
4F27018-05	70.0 C	Soil	06/26/2024	06/27/2024
4F27018-07	80.0 A	Soil	06/26/2024	06/27/2024
4F27018-08	80.0 B	Soil	06/26/2024	06/27/2024
4F27018-09	80.0 C	Soil	06/26/2024	06/27/2024
4F27018-10	80.0 D	Soil	06/26/2024	06/27/2024
4F27018-12	90.0 A	Soil	06/26/2024	06/27/2024
4F27018-13	90.0 B	Soil	06/26/2024	06/27/2024
4F27018-14	90.0 C	Soil	06/26/2024	06/27/2024

Request for Analysis

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

60.0 C (Lab Number: 4F27018-01)

Lead

Method

EPA 6010C

70.0 A (Lab Number: 4F27018-03)

Lead

Method

EPA 6010C

70.0 B (Lab Number: 4F27018-04)

Lead

Method

EPA 6010C

70.0 C (Lab Number: 4F27018-05)

Lead

Method

EPA 6010C

80.0 A (Lab Number: 4F27018-07)

Lead

Method

EPA 6010C

80.0 B (Lab Number: 4F27018-08)

Lead

Method

EPA 6010C

80.0 C (Lab Number: 4F27018-09)

Lead

Method

EPA 6010C

80.0 D (Lab Number: 4F27018-10)

Lead

Method

EPA 6010C

90.0 A (Lab Number: 4F27018-12)

Lead

Method

EPA 6010C

90.0 B (Lab Number: 4F27018-13)

Lead

Method

EPA 6010C

90.0 C (Lab Number: 4F27018-14)

Lead

Method

EPA 6010C

Method References

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

DRAFT

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: 60.0 C
Lab Number: 4F27018-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	5.43		0.70	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 70.0 A
Lab Number: 4F27018-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	120		0.72	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 70.0 B
Lab Number: 4F27018-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	9.72		0.67	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 70.0 C
Lab Number: 4F27018-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	3.29		0.59	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 80.0 A
Lab Number: 4F27018-07 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	18.2		0.57	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 80.0 B
Lab Number: 4F27018-08 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	9.04		0.66	mg/kg	07/01/24	07/19/24

Results: Total Metals

Sample: 80.0 C
Lab Number: 4F27018-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	6.07		0.65	mg/kg	07/01/24	07/19/24

Results: Total Metals

Sample: 80.0 D
Lab Number: 4F27018-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	4.23		0.59	mg/kg	07/01/24	07/19/24

Results: Total Metals

Sample: 90.0 A
Lab Number: 4F27018-12 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	24.4		0.70	mg/kg	07/01/24	07/19/24

Results: Total Metals

Sample: 90.0 B
Lab Number: 4F27018-13 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	7.83		0.65	mg/kg	07/01/24	07/19/24

Results: Total Metals

Sample: 90.0 C
Lab Number: 4F27018-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	9.63		0.65	mg/kg	07/01/24	07/19/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4G0027 - Metals Digestion Soils										
Blank (B4G0027-BLK1)										
Lead	ND		0.50	mg/kg						Prepared: 07/01/24 Analyzed: 07/16/24
Blank (B4G0027-BLK2)										
Lead	ND		0.50	mg/kg						Prepared: 07/01/24 Analyzed: 07/19/24
Blank (B4G0027-BLK3)										
Lead	ND		0.50	mg/kg						Prepared: 07/01/24 Analyzed: 07/19/24
LCS (B4G0027-BS1)										
Lead	96.3		0.50	mg/kg	100		96.3	85-115		Prepared: 07/01/24 Analyzed: 07/16/24
LCS (B4G0027-BS2)										
Lead	90.9		0.50	mg/kg	100		90.9	85-115		Prepared: 07/01/24 Analyzed: 07/19/24
Matrix Spike (B4G0027-MS2)										
			Source: 4F27014-06							Prepared: 07/01/24 Analyzed: 07/19/24
Lead	136		0.64	mg/kg dry	127	5.44	103	75-125		
Matrix Spike Dup (B4G0027-MSD2)										
			Source: 4F27014-06							Prepared: 07/01/24 Analyzed: 07/19/24
Lead	144		0.67	mg/kg dry	134	5.44	103	75-125	5.90	20

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522



Chain of Custody Record

Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site		Matrix			No. of Containers	Preservative	Tests**								
Client: Town of Southborough		Report To: mflynn@parecorp.com															
Invoice To: Accounting																	
Date	Time	Comp	Grab	Sample I.D.	Aqueous	Soil	Other			Lead							
6/26/24	9:00		✓	60,0 C		✓		1		✓							
6/26/24	9:00		✓	60,0 D*		✓		1		✓							
6/26/24	9:05		✓	70,0 A		✓		1		✓							
6/26/24	9:05		✓	70,0 B		✓		1		✓							
6/26/24	9:05		✓	70,0 C		✓		1		✓							
6/26/24	9:05		✓	70,0 D*		✓		1		✓							
6/26/24	9:15		✓	80,0 A		✓		1		✓							
6/26/24	9:15		✓	80,0 B		✓		1		✓							
6/26/24	9:15		✓	80,0 C		✓		1		✓							
6/26/24	9:15		✓	80,0 D		✓		1		✓							
6/26/24	9:15		✓	80,0 E*		✓		1		✓							
6/26/24	9:25		✓	90,0 A		✓		1		✓							
6/26/24	9:25		✓	90,0 B		✓		1		✓							
6/26/24	9:25		✓	90,0 C		✓		1		✓							
Sampled By: <i>Sally</i>		Date/Time 6/26/24 1535	Received By: <i>AND</i>		Date/Time 6/26/24 1535	Laboratory Remarks:			Special Instructions: *: Hold all "*" samples								
Relinquished By: <i>AND</i>		Date/Time 6/27/24 856	Received By: <i>Josely Dallman</i>		Date/Time 6/27/24 0856	Temp. Received: <i>6</i>											

**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

Turnaround Time [Business Days]: 5 Days

Josely Dallman 6/27/24 0945
8 6/27/24 945

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 08176.30

Project Location: Southborough, MA

RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
4F27018

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 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 actions 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
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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.

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

¹All 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: Mike McCallum

Date: 7/23/2024



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F26030

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 17-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/26/24. 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 4F26030. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F26030-02	60.40 A	Soil	06/25/2024	06/26/2024
4F26030-03	60.40 B	Soil	06/25/2024	06/26/2024
4F26030-04	60.40 C	Soil	06/25/2024	06/26/2024
4F26030-05	60.40 D	Soil	06/25/2024	06/26/2024
4F26030-07	60.30 A	Soil	06/25/2024	06/26/2024
4F26030-08	60.30 B	Soil	06/25/2024	06/26/2024
4F26030-09	60.30 C	Soil	06/25/2024	06/26/2024
4F26030-10	60.30 D	Soil	06/25/2024	06/26/2024
4F26030-12	60.30 AA	Soil	06/25/2024	06/26/2024
4F26030-13	70.30 A	Soil	06/25/2024	06/26/2024
4F26030-14	70.30 B	Soil	06/25/2024	06/26/2024

Request for Analysis

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

60.30 A (Lab Number: 4F26030-07)

Lead

Method

EPA 6010C

60.30 AA (Lab Number: 4F26030-12)

Lead

Method

EPA 6010C

60.30 B (Lab Number: 4F26030-08)

Lead

Method

EPA 6010C

60.30 C (Lab Number: 4F26030-09)

Lead

Method

EPA 6010C

60.30 D (Lab Number: 4F26030-10)

Lead

Method

EPA 6010C

60.40 A (Lab Number: 4F26030-02)

Lead

Method

EPA 6010C

60.40 B (Lab Number: 4F26030-03)

Lead

Method

EPA 6010C

60.40 C (Lab Number: 4F26030-04)

Lead

Method

EPA 6010C

60.40 D (Lab Number: 4F26030-05)

Lead

Method

EPA 6010C

70.30 A (Lab Number: 4F26030-13)

Lead

Method

EPA 6010C

70.30 B (Lab Number: 4F26030-14)

Lead

Method

EPA 6010C

Method References

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

DRAFT

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: 60.40 A
Lab Number: 4F26030-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	54.4		0.64	mg/kg	06/28/24	07/12/24

DRAFT

Results: Total Metals

Sample: 60.40 B
Lab Number: 4F26030-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	3.41		0.71	mg/kg	06/28/24	07/12/24

Results: Total Metals

Sample: 60.40 C
Lab Number: 4F26030-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.69		0.61	mg/kg	06/28/24	07/12/24

DRAFT

Results: Total Metals

Sample: 60.40 D
Lab Number: 4F26030-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.30		0.58	mg/kg	06/28/24	07/12/24

Results: Total Metals

Sample: 60.30 A
Lab Number: 4F26030-07 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	371		0.70	mg/kg	06/28/24	07/12/24

DRAFT

Results: Total Metals

Sample: 60.30 B
Lab Number: 4F26030-08 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	7.14		0.59	mg/kg	06/28/24	07/12/24

Results: Total Metals

Sample: 60.30 C
Lab Number: 4F26030-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	3.88		0.66	mg/kg	06/28/24	07/13/24

DRAFT

Results: Total Metals

Sample: 60.30 D
Lab Number: 4F26030-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.98		0.62	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 60.30 AA
Lab Number: 4F26030-12 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	352		0.61	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 70.30 A
Lab Number: 4F26030-13 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	261		0.65	mg/kg	06/28/24	07/13/24

DRAFT

Results: Total Metals

Sample: 70.30 B
Lab Number: 4F26030-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	25.4		0.68	mg/kg	06/28/24	07/13/24

DRAFT

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4F1177 - Metals Digestion Soils										
Blank (B4F1177-BLK1)					Prepared: 06/28/24 Analyzed: 07/02/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1177-BLK2)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1177-BLK3)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1177-BLK4)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1177-BLK5)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	ND		0.50	mg/kg						
LCS (B4F1177-BS1)					Prepared: 06/28/24 Analyzed: 07/02/24					
Lead	98.4		0.50	mg/kg	100		98.4	85-115		
LCS (B4F1177-BS2)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	99.8		0.50	mg/kg	100		99.8	85-115		
LCS (B4F1177-BS3)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	99.8		0.50	mg/kg	100		99.8	85-115		
LCS (B4F1177-BS4)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	107		0.50	mg/kg	100		107	85-115		
LCS (B4F1177-BS5)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	105		0.50	mg/kg	100		105	85-115		

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522



Chain of Custody Record

Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site			Matrix			No. of Containers	Preservative	Tests**						
Client: Town of Southborough																
Report To: mflynn@parecorp.com																
Invoice To: Accounting																
Date	Time	Comp	Grab	Sample I.D.	Aqueous	Soil	Other			Lead						
6/25	11:05		✓	70,40 E*		✓		1		✓						
6/25	11:10		✓	60,40 A		✓		1		✓						
6/25	11:10		✓	60,40 B		✓		1		✓						
6/25	11:10		✓	60,40 C		✓		1		✓						
6/25	11:10		✓	60,40 D		✓		1		✓						
6/25	11:16		✓	60,40 E*		✓		1		✓						
6/25	11:20		✓	60,30 A		✓		1		✓						
6/25	11:20		✓	60,30 B		✓		1		✓						
6/25	11:20		✓	60,30 C		✓		1		✓						
6/25	11:20		✓	60,30 D		✓		1		✓						
6/25	11:20		✓	60,30 E*		✓		1		✓						
6/25	11:20		✓	60,30 AA		✓		1		✓						
6/25	11:25		✓	70,30 A		✓		1		✓						
6/25	11:25		✓	70,30 B		✓		1		✓						
Sampled By: Jeffrey Huser		Date/Time 6/25 1545	Received By:		Date/Time	Laboratory Remarks:			Special Instructions: *: Hold all "*" samples							
Relinquished By: Karl		Date/Time 6/26 1000	Received By:		Date/Time 6/26 1000	Temp. Received: 5										
**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates										Turnaround Time [Business Days]: 5 Days						

for 6/26 1046 Jeng 6/26/24 1046



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F26021

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 11-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/26/24. 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 4F26021. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F26021-01	60.50 A	Soil	06/25/2024	06/26/2024
4F26021-02	60.50 B	Soil	06/25/2024	06/26/2024
4F26021-03	60.50 C	Soil	06/25/2024	06/26/2024
4F26021-04	60.50 D	Soil	06/25/2024	06/26/2024
4F26021-06	60.50 DD	Soil	06/25/2024	06/26/2024
4F26021-07	70.50 A	Soil	06/25/2024	06/26/2024
4F26021-08	70.50 B	Soil	06/25/2024	06/26/2024
4F26021-09	70.50 C	Soil	06/25/2024	06/26/2024
4F26021-10	70.50 D	Soil	06/25/2024	06/26/2024
4F26021-12	80.50 A	Soil	06/25/2024	06/26/2024
4F26021-13	80.50 B	Soil	06/25/2024	06/26/2024
4F26021-14	80.50 C	Soil	06/25/2024	06/26/2024

Request for Analysis

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

60.50 A (Lab Number: 4F26021-01)

Lead

Method

EPA 6010C

60.50 B (Lab Number: 4F26021-02)

Lead

Method

EPA 6010C

60.50 C (Lab Number: 4F26021-03)

Lead

Method

EPA 6010C

60.50 D (Lab Number: 4F26021-04)

Lead

Method

EPA 6010C

60.50 DD (Lab Number: 4F26021-06)

Lead

Method

EPA 6010C

70.50 A (Lab Number: 4F26021-07)

Lead

Method

EPA 6010C

70.50 B (Lab Number: 4F26021-08)

Lead

Method

EPA 6010C

70.50 C (Lab Number: 4F26021-09)

Lead

Method

EPA 6010C

70.50 D (Lab Number: 4F26021-10)

Lead

Method

EPA 6010C

80.50 A (Lab Number: 4F26021-12)

Lead

Method

EPA 6010C

80.50 B (Lab Number: 4F26021-13)

Lead

Method

EPA 6010C

80.50 C (Lab Number: 4F26021-14)

Lead

Method

EPA 6010C

Method References

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

DRAFT

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: 60.50 A
Lab Number: 4F26021-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	317		0.59	mg/kg	06/27/24	07/05/24

DRAFT

Results: Total Metals

Sample: 60.50 B
Lab Number: 4F26021-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	42.5		0.68	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 60.50 C
Lab Number: 4F26021-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	4.06		0.67	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 60.50 D
Lab Number: 4F26021-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	0.64		0.64	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 60.50 DD
Lab Number: 4F26021-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.63	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 70.50 A
Lab Number: 4F26021-07 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1310		0.65	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 70.50 B
Lab Number: 4F26021-08 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	112		0.59	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 70.50 C
Lab Number: 4F26021-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	0.96		0.59	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 70.50 D
Lab Number: 4F26021-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.62	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 80.50 A
Lab Number: 4F26021-12 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	12.2		0.66	mg/kg	06/27/24	07/05/24

DRAFT

Results: Total Metals

Sample: 80.50 B
Lab Number: 4F26021-13 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	9690		0.68	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 80.50 C
Lab Number: 4F26021-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	5.33		0.68	mg/kg	06/27/24	07/05/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4F1118 - Metals Digestion Soils										
Blank (B4F1118-BLK1)					Prepared: 06/27/24 Analyzed: 07/02/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1118-BLK2)					Prepared: 06/27/24 Analyzed: 07/05/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1118-BLK3)					Prepared: 06/27/24 Analyzed: 07/05/24					
Lead	ND		0.50	mg/kg						
LCS (B4F1118-BS1)					Prepared: 06/27/24 Analyzed: 07/02/24					
Lead	98.4		0.50	mg/kg	100		98.4	85-115		
LCS (B4F1118-BS2)					Prepared: 06/27/24 Analyzed: 07/05/24					
Lead	92.6		0.50	mg/kg	100		92.6	85-115		
LCS (B4F1118-BS3)					Prepared: 06/27/24 Analyzed: 07/05/24					
Lead	95.3		0.50	mg/kg	100		95.3	85-115		

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522

Chain of Custody Record



4 F 2 6021 N

Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site			Matrix			No. of Containers	Preservative	Tests**					
Client: Town of Southborough															
Report To: mflynn@parecorp.com															
Invoice To: Accounting															
Date	Time	Comp	Grab	Sample I.D.	Aqueous	Soil	Other	Lead							
6/25	8:45		✓	60,50 A		✓		1	✓						
6/25	8:45		✓	60,50 B		✓		1	✓						
6/25	8:45		✓	60,50 C		✓		1	✓						
6/25	8:45		✓	60,50 D		✓		1	✓						
6/25	8:45		✓	60,50 E*		✓		1	✓						
6/25	8:45		✓	60,50 DP		✓		1	✓						
6/25	8:50		✓	70,50 A		✓		1	✓						
6/25	8:50		✓	70,50 B		✓		1	✓						
6/25	8:50		✓	70,50 C		✓		1	✓						
6/25	8:50		✓	70,50 D		✓		1	✓						
6/25	8:50		✓	70,50 E*		✓		1	✓						
6/25	9:05		✓	80,50 A		✓		1	✓						
6/25	9:05		✓	80,50 B		✓		1	✓						
6/25	9:05		✓	80,50 C		✓		1	✓						
Sampled By: <i>Jeffrey Haus</i>		Date/Time 6/25 1545	Received By:		Date/Time	Laboratory Remarks:			Special Instructions: *: Hold all "*" samples						
Relinquished By: <i>Kali S</i>		Date/Time 6/26 1000	Received By: <i>[Signature]</i>		Date/Time 6/26 1000	Temp. Received: 6									
**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates									Turnaround Time [Business Days]: 5 Days						

[Handwritten signatures and notes]
6/26 1040
6/26/24 1040

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 08176.30

Project Location: Southborough, MA

RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
4F26021

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 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 actions 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
----------	---	--

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.

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

¹All 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: Mike McCallum

Date: 7/11/2024



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F25017

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 03-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/25/24. 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 4F25017. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F25017-01	60.90 A	Soil	06/24/2024	06/25/2024
4F25017-02	60.90 B	Soil	06/24/2024	06/25/2024
4F25017-03	60.90 C	Soil	06/24/2024	06/25/2024
4F25017-04	60.90 D	Soil	06/24/2024	06/25/2024
4F25017-06	70.90 A	Soil	06/24/2024	06/25/2024
4F25017-07	70.90 B	Soil	06/24/2024	06/25/2024
4F25017-08	70.90 C	Soil	06/24/2024	06/25/2024
4F25017-09	70.90 D	Soil	06/24/2024	06/25/2024
4F25017-11	80.90 A	Soil	06/24/2024	06/25/2024
4F25017-12	80.90 B	Soil	06/24/2024	06/25/2024
4F25017-13	80.90 C	Soil	06/24/2024	06/25/2024
4F25017-14	80.90 D	Soil	06/24/2024	06/25/2024

Request for Analysis

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

60.90 A (Lab Number: 4F25017-01)

Lead

Method

EPA 6010C

60.90 B (Lab Number: 4F25017-02)

Lead

Method

EPA 6010C

60.90 C (Lab Number: 4F25017-03)

Lead

Method

EPA 6010C

60.90 D (Lab Number: 4F25017-04)

Lead

Method

EPA 6010C

70.90 A (Lab Number: 4F25017-06)

Lead

Method

EPA 6010C

70.90 B (Lab Number: 4F25017-07)

Lead

Method

EPA 6010C

70.90 C (Lab Number: 4F25017-08)

Lead

Method

EPA 6010C

70.90 D (Lab Number: 4F25017-09)

Lead

Method

EPA 6010C

80.90 A (Lab Number: 4F25017-11)

Lead

Method

EPA 6010C

80.90 B (Lab Number: 4F25017-12)

Lead

Method

EPA 6010C

80.90 C (Lab Number: 4F25017-13)

Lead

Method

EPA 6010C

80.90 D (Lab Number: 4F25017-14)

Lead

Method

EPA 6010C

Method References

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

DRAFT

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: 60.90 A
Lab Number: 4F25017-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	182		0.62	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 60.90 B
Lab Number: 4F25017-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	105		0.64	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 60.90 C
Lab Number: 4F25017-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.59	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 60.90 D
Lab Number: 4F25017-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.60	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 70.90 A
Lab Number: 4F25017-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.63	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 70.90 B
Lab Number: 4F25017-07 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	106		0.64	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 70.90 C
Lab Number: 4F25017-08 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.61	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 70.90 D
Lab Number: 4F25017-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.62	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 80.90 A
Lab Number: 4F25017-11 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.75	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 80.90 B
Lab Number: 4F25017-12 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	124		0.66	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 80.90 C
Lab Number: 4F25017-13 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.62	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 80.90 D
Lab Number: 4F25017-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.63	mg/kg	06/26/24	07/01/24

DRAFT

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4F1076 - Metals Digestion Soils										
Blank (B4F1076-BLK1)										
Lead	ND		0.50	mg/kg						Prepared: 06/26/24 Analyzed: 06/27/24
LCS (B4F1076-BS1)										
Lead	105		0.50	mg/kg	100		105	85-115		Prepared: 06/26/24 Analyzed: 06/28/24

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522



4 F 2 5017 k

Chain of Custody Record

Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site			Matrix			No. of Containers	Preservative	Tests**							
Client: Town of Southborough										Aqueous	Soil	Other	Lead	TCLP - Lead			
Report To: mflynn@parecorp.com																	
Invoice To: Accounting																	
Date	Time	Comp	Grab	Sample I.D.													
6/24	9:20		✓	60,90 A	✓			1		✓	✓						
6/24	9:20		✓	60,90 B	✓			1		✓	✓						
6/24	9:20		✓	60,90 C	✓			1		✓	✓						
6/24	9:20		✓	60,90 D	✓			1		✓	✓						
6/24	9:20		✓	60,90 E *	✓			1		✓	✓						
6/24	9:25		✓	70,90 A	✓			1		✓	✓						
6/24	9:25		✓	70,90 B	✓			1		✓	✓						
6/24	9:25		✓	70,90 C	✓			1		✓	✓						
6/24	9:25		✓	70,90 D	✓			1		✓	✓						
6/24	9:25		✓	70,90 E *	✓			1		✓	✓						
6/24	9:30		✓	80,90 A	✓			1		✓	✓						
6/24	9:30		✓	80,90 B	✓			1		✓	✓						
6/24	9:30		✓	80,90 C	✓			1		✓	✓						
6/24	9:30		✓	80,90 D	✓			1		✓	✓						
Sampled By: Jeffrey Haver		Date/Time 6/24/24 1610	Received By: Ann [Signature]		Date/Time 6/24/24 1210	Laboratory Remarks: on ice			Special Instructions: *: Hold all "*" samples								
Relinquished By: Ann [Signature]		Date/Time 6/25/24 0931 1540	Received By: [Signature]		Date/Time 6/25/24 931	Temp. Received: 10											
**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates										Turnaround Time [Business Days]: 5 Days							

HR 6/25/24
1540

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 08176.30

Project Location: Southborough, MA

RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
4F25017

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 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 actions 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
----------	---	--

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.

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

¹All 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: Mike McCallum

Date: 7/3/2024



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F26032

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 17-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/26/24. 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 4F26032. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F26032-01	70.30 C	Soil	06/25/2024	06/26/2024
4F26032-02	70.30 D	Soil	06/25/2024	06/26/2024
4F26032-04	80.30 A	Soil	06/25/2024	06/26/2024
4F26032-05	80.30 B	Soil	06/25/2024	06/26/2024
4F26032-06	80.30 C	Soil	06/25/2024	06/26/2024
4F26032-07	80.30 D	Soil	06/25/2024	06/26/2024
4F26032-09	80.30 BB	Soil	06/25/2024	06/26/2024
4F26032-10	90.30 A	Soil	06/25/2024	06/26/2024
4F26032-11	90.30 B	Soil	06/25/2024	06/26/2024
4F26032-12	90.30 C	Soil	06/25/2024	06/26/2024
4F26032-13	90.30 D	Soil	06/25/2024	06/26/2024

Request for Analysis

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

70.30 C (Lab Number: 4F26032-01)

Lead

Method

EPA 6010C

70.30 D (Lab Number: 4F26032-02)

Lead

Method

EPA 6010C

80.30 A (Lab Number: 4F26032-04)

Lead

Method

EPA 6010C

80.30 B (Lab Number: 4F26032-05)

Lead

Method

EPA 6010C

80.30 BB (Lab Number: 4F26032-09)

Lead

Method

EPA 6010C

80.30 C (Lab Number: 4F26032-06)

Lead

Method

EPA 6010C

80.30 D (Lab Number: 4F26032-07)

Lead

Method

EPA 6010C

90.30 A (Lab Number: 4F26032-10)

Lead

Method

EPA 6010C

90.30 B (Lab Number: 4F26032-11)

Lead

Method

EPA 6010C

90.30 C (Lab Number: 4F26032-12)

Lead

Method

EPA 6010C

90.30 D (Lab Number: 4F26032-13)

Lead

Method

EPA 6010C

Method References

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

DRAFT

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: 70.30 C
Lab Number: 4F26032-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.74		0.55	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 70.30 D
Lab Number: 4F26032-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.60		0.64	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 80.30 A
Lab Number: 4F26032-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	41.8		0.56	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 80.30 B
Lab Number: 4F26032-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	10.7		0.62	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 80.30 C
Lab Number: 4F26032-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	5.68		0.71	mg/kg	06/28/24	07/13/24

DRAFT

Results: Total Metals

Sample: 80.30 D
Lab Number: 4F26032-07 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	4.55		0.65	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 80.30 BB
Lab Number: 4F26032-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	5.91		0.65	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 90.30 A
Lab Number: 4F26032-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	43.3		0.68	mg/kg	06/28/24	07/13/24

DRAFT

Results: Total Metals

Sample: 90.30 B
Lab Number: 4F26032-11 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	386		0.61	mg/kg	06/28/24	07/13/24

DRAFT

Results: Total Metals

Sample: 90.30 C
Lab Number: 4F26032-12 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	3.87		0.66	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 90.30 D
Lab Number: 4F26032-13 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.97		0.54	mg/kg	06/28/24	07/13/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4F1177 - Metals Digestion Soils										
Blank (B4F1177-BLK1)					Prepared: 06/28/24 Analyzed: 07/02/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1177-BLK2)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1177-BLK3)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1177-BLK4)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1177-BLK5)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	ND		0.50	mg/kg						
LCS (B4F1177-BS1)					Prepared: 06/28/24 Analyzed: 07/02/24					
Lead	98.4		0.50	mg/kg	100		98.4	85-115		
LCS (B4F1177-BS2)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	99.8		0.50	mg/kg	100		99.8	85-115		
LCS (B4F1177-BS3)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	99.8		0.50	mg/kg	100		99.8	85-115		
LCS (B4F1177-BS4)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	107		0.50	mg/kg	100		107	85-115		
LCS (B4F1177-BS5)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	105		0.50	mg/kg	100		105	85-115		

Notes and Definitions

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

DRAFT

59 Greenhill Street
West Warwick, RI 02893

Chain of Custody Record



4 F 2 6032)

Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site		Matrix		No. of Containers	Preservative	Tests**					
Client: Town of Southborough		Report To: mflynn@parecorp.com						Aqueous	Soil	Other	Lead	TOC	Asbestos
Invoice To: Accounting		Date	Time	Comp	Grab	Sample I.D.							
6/25	11:25		✓			70,30 C		✓					
6/25	11:25		✓			70,30 D		✓					
6/25	11:25		✓			70,30 E*		✓					
6/25	11:30		✓			80,30 A		✓					
6/25	11:30		✓			80,30 B		✓					
6/25	11:30		✓			80,30 C		✓					
6/25	11:30		✓			80,30 D		✓					
6/25	11:30		✓			80,30 E*		✓					
6/25	11:30		✓			80,30 BB		✓					
6/25	11:45		✓			90,30 A		✓					
6/25	11:45		✓			90,30 B		✓					
6/25	11:45		✓			90,30 C		✓					
6/25	11:45		✓			90,30 D		✓					
6/25	11:45		✓			90,30 E*		✓					
Sampled By: <i>Jeffrey Hader</i>		Date/Time 6/25 1545	Received By:		Date/Time	Laboratory Remarks:		Special Instructions: *: Hold all "*" samples					
Relinquished By: <i>Kali S</i>		Date/Time 6/26 1000	Received By: <i>[Signature]</i>		Date/Time 6/26 1000	Temp. Received: 5							

**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

Turnaround Time (Business Days): 5 Days

Page 19 of 19



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F25023

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 03-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/25/24. 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 4F25023. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F25023-01	70.80 C	Soil	06/24/2024	06/25/2024
4F25023-02	70.80 D	Soil	06/24/2024	06/25/2024
4F25023-04	80.80 A	Soil	06/24/2024	06/25/2024
4F25023-05	80.80 B	Soil	06/24/2024	06/25/2024
4F25023-06	80.80 C	Soil	06/24/2024	06/25/2024
4F25023-07	80.80 D	Soil	06/24/2024	06/25/2024
4F25023-09	90.80 A	Soil	06/24/2024	06/25/2024
4F25023-10	90.80 B	Soil	06/24/2024	06/25/2024
4F25023-11	90.80 C	Soil	06/24/2024	06/25/2024
4F25023-12	90.80 D	Soil	06/24/2024	06/25/2024
4F25023-14	100.80 A	Soil	06/24/2024	06/25/2024

Request for Analysis

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

100.80 A (Lab Number: 4F25023-14)

Lead

Method

EPA 6010C

70.80 C (Lab Number: 4F25023-01)

Lead

Method

EPA 6010C

70.80 D (Lab Number: 4F25023-02)

Lead

Method

EPA 6010C

80.80 A (Lab Number: 4F25023-04)

Lead

Method

EPA 6010C

80.80 B (Lab Number: 4F25023-05)

Lead

Method

EPA 6010C

80.80 C (Lab Number: 4F25023-06)

Lead

Method

EPA 6010C

80.80 D (Lab Number: 4F25023-07)

Lead

Method

EPA 6010C

90.80 A (Lab Number: 4F25023-09)

Lead

Method

EPA 6010C

90.80 B (Lab Number: 4F25023-10)

Lead

Method

EPA 6010C

90.80 C (Lab Number: 4F25023-11)

Lead

Method

EPA 6010C

90.80 D (Lab Number: 4F25023-12)

Lead

Method

EPA 6010C

Method References

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

DRAFT

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: 70.80 C
Lab Number: 4F25023-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.62	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 70.80 D
Lab Number: 4F25023-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	0.98		0.62	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 80.80 A
Lab Number: 4F25023-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	190		0.69	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 80.80 B
Lab Number: 4F25023-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	0.91		0.59	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 80.80 C
Lab Number: 4F25023-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.30		0.65	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 80.80 D
Lab Number: 4F25023-07 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	0.77		0.61	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 90.80 A
Lab Number: 4F25023-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	163		0.69	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 90.80 B
Lab Number: 4F25023-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	5.19		0.59	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 90.80 C
Lab Number: 4F25023-11 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.59	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 90.80 D
Lab Number: 4F25023-12 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.15		0.59	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 100.80 A
Lab Number: 4F25023-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	135		0.63	mg/kg	06/26/24	07/01/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4F1076 - Metals Digestion Soils										
Blank (B4F1076-BLK1)										
Lead	ND		0.50	mg/kg						Prepared: 06/26/24 Analyzed: 06/27/24
LCS (B4F1076-BS1)										
Lead	105		0.50	mg/kg	100		105	85-115		Prepared: 06/26/24 Analyzed: 06/28/24

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893



1-888-863-8522

Chain of Custody Record

Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site		Matrix			No. of Containers	Preservative	Tests**								
Client: Town of Southborough		Report To: mflynn@parecorp.com															
Invoice To: Accounting																	
Date	Time	Comp	Grab	Sample I.D.	Aqueous	Soil	Other			Lead	TCLP - Lead						
6/24	12:15		✓	70,80 C		✓		1		✓	✓						
6/24	12:15		✓	70,80 D		✓		1		✓	✓						
6/24	12:15		✓	70,80 E*		✓		1		✓	✓						
6/24	12:10		✓	80,80 A		✓		1		✓	✓						
6/24	12:10		✓	80,80 B		✓		1		✓	✓						
6/24	12:10		✓	80,80 C		✓		1		✓	✓						
6/24	12:10		✓	80,80 D		✓		1		✓	✓						
6/24	12:10		✓	80,80 E*		✓		1		✓	✓						
6/24	12:00		✓	90,80 A		✓		1		✓	✓						
6/24	12:00		✓	90,80 B		✓		1		✓	✓						
6/24	12:00		✓	90,80 C		✓		1		✓	✓						
6/24	12:00		✓	90,80 D		✓		1		✓	✓						
6/24	12:00		✓	90,80 E*		✓		1		✓	✓						
6/24	11:50		✓	100,80 A		✓		1		✓	✓						
Sampled By: Jeffrey Hauer		Date/Time 6/24 1612	Received By: [Signature]		Date/Time 6/24/24 1612	Laboratory Remarks: on 14			Special Instructions: *: Hold all " *" samples								
Relinquished By: [Signature]		Date/Time 6/25/24 0931 1540	Received By: [Signature]		Date/Time 6/25/24 931	Temp. Received: 10											

**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

Turnaround Time [Business Days]: 5 Days

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 08176.30

Project Location: Southborough, MA

RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
4F25023

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 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 actions 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
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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.

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

¹All 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: Mike McCallum

Date: 7/3/2024



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F27016

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 17-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/27/24. 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 4F27016. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F27016-02	80.10 DD	Soil	06/26/2024	06/27/2024
4F27016-03	70.10 A	Soil	06/26/2024	06/27/2024
4F27016-04	70.10 B	Soil	06/26/2024	06/27/2024
4F27016-05	70.10 C	Soil	06/26/2024	06/27/2024
4F27016-06	70.10 D	Soil	06/26/2024	06/27/2024
4F27016-08	70.10 AA	Soil	06/26/2024	06/27/2024
4F27016-09	60.10 A	Soil	06/26/2024	06/27/2024
4F27016-10	60.10 B	Soil	06/26/2024	06/27/2024
4F27016-11	60.10 C	Soil	06/26/2024	06/27/2024
4F27016-13	60.0 A	Soil	06/26/2024	06/27/2024
4F27016-14	60.0 B	Soil	06/26/2024	06/27/2024

Request for Analysis

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

60.0 A (Lab Number: 4F27016-13)

Lead

Method

EPA 6010C

60.0 B (Lab Number: 4F27016-14)

Lead

Method

EPA 6010C

60.10 A (Lab Number: 4F27016-09)

Lead

Method

EPA 6010C

60.10 B (Lab Number: 4F27016-10)

Lead

Method

EPA 6010C

60.10 C (Lab Number: 4F27016-11)

Lead

Method

EPA 6010C

70.10 A (Lab Number: 4F27016-03)

Lead

Method

EPA 6010C

70.10 AA (Lab Number: 4F27016-08)

Lead

Method

EPA 6010C

70.10 B (Lab Number: 4F27016-04)

Lead

Method

EPA 6010C

70.10 C (Lab Number: 4F27016-05)

Lead

Method

EPA 6010C

70.10 D (Lab Number: 4F27016-06)

Lead

Method

EPA 6010C

80.10 DD (Lab Number: 4F27016-02)

Lead

Method

EPA 6010C

Method References

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

DRAFT

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: 80.10 DD
Lab Number: 4F27016-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.67		0.60	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 70.10 A
Lab Number: 4F27016-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	779		0.72	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 70.10 B
Lab Number: 4F27016-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	25.4		0.65	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 70.10 C
Lab Number: 4F27016-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	3.42		0.64	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 70.10 D
Lab Number: 4F27016-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	4.04		0.63	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 70.10 AA
Lab Number: 4F27016-08 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	574		0.59	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 60.10 A
Lab Number: 4F27016-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	152		0.81	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 60.10 B
Lab Number: 4F27016-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	41.5		0.76	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 60.10 C
Lab Number: 4F27016-11 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	11.2		0.71	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 60.0 A
Lab Number: 4F27016-13 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	105		0.63	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 60.0 B
Lab Number: 4F27016-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	36.6		0.62	mg/kg	07/01/24	07/16/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4G0027 - Metals Digestion Soils										
Blank (B4G0027-BLK1)										
Lead	ND		0.50	mg/kg						Prepared: 07/01/24 Analyzed: 07/16/24
LCS (B4G0027-BS1)										
Lead	96.3		0.50	mg/kg	100		96.3	85-115		

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522

Chain of Custody Record



4 F 2 7016 b

Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site			Matrix			No. of Containers	Preservative	Tests**							
Client: Town of Southborough																	
Report To: mflynn@parecorp.com																	
Invoice To: Accounting																	
Date	Time	Comp	Grab	Sample I.D.	Aqueous	Soil	Other	Lead									
6/27	8:40		✓	80,10 E*		✓		1	✓								
6/27	8:40		✓	80,10 DD		✓		1	✓								
6/27	8:50		✓	70,10 A		✓		1	✓								
6/27	8:50		✓	70,10 B		✓		1	✓								
6/27	8:50		✓	70,10 C		✓		1	✓								
6/27	8:50		✓	70,10 D		✓		1	✓								
6/27	8:50		✓	70,10 E*		✓		1	✓								
6/27	8:50		✓	70,10 AA		✓		1	✓								
6/27	8:55		✓	60,10 A		✓		1	✓								
6/27	8:55		✓	60,10 B		✓		1	✓								
6/27	8:55		✓	60,10 C		✓		1	✓								
6/27	8:55		✓	60,10 D*		✓		1	✓								
6/27	9:00		✓	60,0 A		✓		1	✓								
6/27	9:00		✓	60,0 B		✓		1	✓								
Sampled By: <i>Sally H</i>		Date/Time 6/26/24 1535	Received By: <i>AW WAA</i>		Date/Time 6/26/24 1535	Laboratory Remarks:			Special Instructions: *: Hold all "*" samples								
Relinquished By: <i>AW WAA</i>		Date/Time 6/27/24 856	Received By: <i>Jessy Dallhusen</i>		Date/Time 6/27/24 0856	Temp. Received: <i>60</i>											
**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates										Turnaround Time [Business Days]: 5 Days							

Jessy Dallhusen 6/27/24 0945 *gfb* 6/27/24 945

✓ *81*



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F26043

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 17-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/26/24. 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 4F26043. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F26043-01	80.20 C	Soil	06/25/2024	06/26/2024
4F26043-02	80.20 D	Soil	06/25/2024	06/26/2024
4F26043-04	70.20 A	Soil	06/25/2024	06/26/2024
4F26043-05	70.20 B	Soil	06/25/2024	06/26/2024
4F26043-06	70.20 C	Soil	06/25/2024	06/26/2024
4F26043-07	70.20 D	Soil	06/25/2024	06/26/2024
4F26043-09	60.20 A	Soil	06/25/2024	06/26/2024
4F26043-10	60.20 B	Soil	06/25/2024	06/26/2024
4F26043-11	60.20 C	Soil	06/25/2024	06/26/2024
4F26043-12	60.20 D	Soil	06/25/2024	06/26/2024
4F26043-14	100.40 CC	Soil	06/25/2024	06/26/2024

Request for Analysis

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

100.40 CC (Lab Number: 4F26043-14)

Lead

Method

EPA 6010C

60.20 A (Lab Number: 4F26043-09)

Lead

Method

EPA 6010C

60.20 B (Lab Number: 4F26043-10)

Lead

Method

EPA 6010C

60.20 C (Lab Number: 4F26043-11)

Lead

Method

EPA 6010C

60.20 D (Lab Number: 4F26043-12)

Lead

Method

EPA 6010C

70.20 A (Lab Number: 4F26043-04)

Lead

Method

EPA 6010C

70.20 B (Lab Number: 4F26043-05)

Lead

Method

EPA 6010C

70.20 C (Lab Number: 4F26043-06)

Lead

Method

EPA 6010C

70.20 D (Lab Number: 4F26043-07)

Lead

Method

EPA 6010C

80.20 C (Lab Number: 4F26043-01)

Lead

Method

EPA 6010C

80.20 D (Lab Number: 4F26043-02)

Lead

Method

EPA 6010C

Method References

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

DRAFT

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: 80.20 C
Lab Number: 4F26043-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.60		0.55	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 80.20 D
Lab Number: 4F26043-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	3.12		0.58	mg/kg	06/28/24	07/13/24

DRAFT

Results: Total Metals

Sample: 70.20 A
Lab Number: 4F26043-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	168		0.61	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 70.20 B
Lab Number: 4F26043-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	8.00		0.61	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 70.20 C
Lab Number: 4F26043-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.14		0.56	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 70.20 D
Lab Number: 4F26043-07 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	3.02		0.58	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 60.20 A
Lab Number: 4F26043-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	522		0.61	mg/kg	06/28/24	07/13/24

DRAFT

Results: Total Metals

Sample: 60.20 B
Lab Number: 4F26043-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	12.5		0.70	mg/kg	06/28/24	07/16/24

Results: Total Metals

Sample: 60.20 C
Lab Number: 4F26043-11 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.86		0.62	mg/kg	06/28/24	07/16/24

Results: Total Metals

Sample: 60.20 D
Lab Number: 4F26043-12 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	3.12		0.56	mg/kg	06/28/24	07/16/24

Results: Total Metals

Sample: 100.40 CC
Lab Number: 4F26043-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	443		0.56	mg/kg	06/28/24	07/16/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4F1177 - Metals Digestion Soils										
Blank (B4F1177-BLK1)					Prepared: 06/28/24 Analyzed: 07/02/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1177-BLK2)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1177-BLK3)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1177-BLK4)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1177-BLK5)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	ND		0.50	mg/kg						
LCS (B4F1177-BS1)					Prepared: 06/28/24 Analyzed: 07/02/24					
Lead	98.4		0.50	mg/kg	100		98.4	85-115		
LCS (B4F1177-BS2)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	99.8		0.50	mg/kg	100		99.8	85-115		
LCS (B4F1177-BS3)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	99.8		0.50	mg/kg	100		99.8	85-115		
LCS (B4F1177-BS4)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	107		0.50	mg/kg	100		107	85-115		
LCS (B4F1177-BS5)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	105		0.50	mg/kg	100		105	85-115		

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522



Chain of Custody Record

Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site				Matrix			No. of Containers	Preservative	Tests**								
Client: Town of Southborough											<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Lead</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TCMP</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Lead</div> </div>								
Report To: mflynn@parecorp.com																			
Invoice To: Accounting																			
Date	Time	Comp	Grab	Sample I.D.	Aqueous	Soil	Other												
6/25	13:55		✓	80,20 C		✓		1											
6/25	13:55		✓	80,20 D		✓		1											
6/25	13:55		✓	80,20 F*		✓		1											
6/25	14:00		✓	70,20 A		✓		1											
6/25	14:00		✓	70,20 B		✓		1											
6/25	14:00		✓	70,20 C		✓		1											
6/25	14:00		✓	70,20 D		✓		1											
6/25	14:00		✓	70,20 E*		✓		1											
6/25	14:05		✓	60,20 A		✓		1											
6/25	14:05		✓	60,20 B		✓		1											
6/25	14:05		✓	60,20 C		✓		1											
6/25	14:05		✓	60,20 D		✓		1											
6/25	14:05		✓	60,20 E		✓		1											
6/25	1650		✓	100,40 CC		✓		1											
Sampled By: <i>Teddy</i>		Date/Time 1545	Received By:		Date/Time	Laboratory Remarks:				Special Instructions: * Hold all "*" samples									
Relinquished By: <i>Kali S</i>		Date/Time 6/26 1000	Received By:		Date/Time 6/26 1000	Temp. Received: 5													
**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates																		Turnaround Time [Business Days]: 5 Days	

6/26 1040 *6/26/24 1040*



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F26022

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 11-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/26/24. 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 4F26022. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F26022-01	80.50 D	Soil	06/25/2024	06/26/2024
4F26022-03	80.50 AA	Soil	06/25/2024	06/26/2024
4F26022-04	90.50 A	Soil	06/25/2024	06/26/2024
4F26022-05	90.50 B	Soil	06/25/2024	06/26/2024
4F26022-06	90.50 C	Soil	06/25/2024	06/26/2024
4F26022-07	90.50 D	Soil	06/25/2024	06/26/2024
4F26022-09	100.50 A	Soil	06/25/2024	06/26/2024
4F26022-10	100.50 B	Soil	06/25/2024	06/26/2024
4F26022-11	100.50 C	Soil	06/25/2024	06/26/2024
4F26022-12	100.50 D	Soil	06/25/2024	06/26/2024
4F26022-14	110.50 A	Soil	06/25/2024	06/26/2024

Request for Analysis

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

100.50 A (Lab Number: 4F26022-09)

Lead

Method

EPA 6010C

100.50 B (Lab Number: 4F26022-10)

Lead

Method

EPA 6010C

100.50 C (Lab Number: 4F26022-11)

Lead

Method

EPA 6010C

100.50 D (Lab Number: 4F26022-12)

Lead

Method

EPA 6010C

110.50 A (Lab Number: 4F26022-14)

Lead

Method

EPA 6010C

80.50 AA (Lab Number: 4F26022-03)

Lead

Method

EPA 6010C

80.50 D (Lab Number: 4F26022-01)

Lead

Method

EPA 6010C

90.50 A (Lab Number: 4F26022-04)

Lead

Method

EPA 6010C

90.50 B (Lab Number: 4F26022-05)

Lead

Method

EPA 6010C

90.50 C (Lab Number: 4F26022-06)

Lead

Method

EPA 6010C

90.50 D (Lab Number: 4F26022-07)

Lead

Method

EPA 6010C

Method References

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

DRAFT

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: 80.50 D
Lab Number: 4F26022-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	4.12		0.64	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 80.50 AA
Lab Number: 4F26022-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	21.4		0.61	mg/kg	06/27/24	07/05/24

DRAFT

Results: Total Metals

Sample: 90.50 A
Lab Number: 4F26022-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	166		0.54	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 90.50 B
Lab Number: 4F26022-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	369		0.61	mg/kg	06/27/24	07/05/24

DRAFT

Results: Total Metals

Sample: 90.50 C
Lab Number: 4F26022-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	27.4		0.66	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 90.50 D
Lab Number: 4F26022-07 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.60		0.64	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 100.50 A
Lab Number: 4F26022-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	47.7		0.60	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 100.50 B
Lab Number: 4F26022-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	69.6		0.60	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 100.50 C
Lab Number: 4F26022-11 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	10800		0.67	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 100.50 D
Lab Number: 4F26022-12 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	226		0.68	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 110.50 A
Lab Number: 4F26022-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	56.4		0.55	mg/kg	06/27/24	07/05/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4F1118 - Metals Digestion Soils										
Blank (B4F1118-BLK1)					Prepared: 06/27/24 Analyzed: 07/02/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1118-BLK2)					Prepared: 06/27/24 Analyzed: 07/05/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1118-BLK3)					Prepared: 06/27/24 Analyzed: 07/05/24					
Lead	ND		0.50	mg/kg						
LCS (B4F1118-BS1)					Prepared: 06/27/24 Analyzed: 07/02/24					
Lead	98.4		0.50	mg/kg	100		98.4	85-115		
LCS (B4F1118-BS2)					Prepared: 06/27/24 Analyzed: 07/05/24					
Lead	92.6		0.50	mg/kg	100		92.6	85-115		
LCS (B4F1118-BS3)					Prepared: 06/27/24 Analyzed: 07/05/24					
Lead	95.3		0.50	mg/kg	100		95.3	85-115		

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522

Chain of Custody Record



4 F 2 6022 T

Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site				Matrix			No. of Containers	Preservative	Tests**					
Client: Town of Southborough		Report To: mflynn@parecorp.com														
Invoice To: Accounting																
Date	Time	Comp	Grab	Sample I.D.	Aqueous	Soil	Other			Lead						
6/25	9:05		✓	80,50 D		✓		1		✓						
6/25	9:05		✓	80,50 E*		✓		1		✓						
6/25	9:05		✓	80,50 AA		✓		1		✓						
6/25	9:10		✓	90,50 A		✓		1		✓						
6/25	9:10		✓	90,50 B		✓		1		✓						
6/25	9:10		✓	90,50 C		✓		1		✓						
6/25	9:10		✓	90,50 D		✓		1		✓						
6/25	9:10		✓	90,50 E*		✓		1		✓						
6/25	9:15		✓	100,50 A		✓		1		✓						
6/25	9:15		✓	100,50 B		✓		1		✓						
6/25	9:15		✓	100,50 C		✓		1		✓						
6/25	9:15		✓	100,50 D		✓		1		✓						
6/25	9:15		✓	100,50 E*		✓		1		✓						
6/25	9:26		✓	110,50 A		✓		1		✓						
Sampled By: <i>Jeffrey Harris</i>		Date/Time 6/25/1545	Received By:		Date/Time	Laboratory Remarks:				Special Instructions: * : Hold all "*" samples						
Relinquished By: <i>Kali S</i>		Date/Time 6/26/1000	Received By: <i>[Signature]</i>		Date/Time 6/26/1000	Temp. Received: 6										
**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates																
Turnaround Time [Business Days]: 5 Days																

[Signature] 6/26 1046 *[Signature]* 6/26/24 1040

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 08176.30

Project Location: Southborough, MA

RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
4F26022

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 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 actions 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
----------	---	--

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.

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

¹All 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: Mike McCallum

Date: 7/11/2024



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F26019

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 11-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/26/24. 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 4F26019. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F26019-01	80.60 B	Soil	06/25/2024	06/26/2024
4F26019-02	80.60 C	Soil	06/25/2024	06/26/2024
4F26019-03	80.60 D	Soil	06/25/2024	06/26/2024
4F26019-05	70.60 A	Soil	06/25/2024	06/26/2024
4F26019-06	70.60 B	Soil	06/25/2024	06/26/2024
4F26019-07	70.60 C	Soil	06/25/2024	06/26/2024
4F26019-08	70.60 D	Soil	06/25/2024	06/26/2024
4F26019-10	60.60 A	Soil	06/25/2024	06/26/2024
4F26019-11	60.60 B	Soil	06/25/2024	06/26/2024
4F26019-12	60.60 C	Soil	06/25/2024	06/26/2024
4F26019-13	60.60 D	Soil	06/25/2024	06/26/2024

Request for Analysis

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

60.60 A (Lab Number: 4F26019-10)

Lead

Method

EPA 6010C

60.60 B (Lab Number: 4F26019-11)

Lead

Method

EPA 6010C

60.60 C (Lab Number: 4F26019-12)

Lead

Method

EPA 6010C

60.60 D (Lab Number: 4F26019-13)

Lead

Method

EPA 6010C

70.60 A (Lab Number: 4F26019-05)

Lead

Method

EPA 6010C

70.60 B (Lab Number: 4F26019-06)

Lead

Method

EPA 6010C

70.60 C (Lab Number: 4F26019-07)

Lead

Method

EPA 6010C

70.60 D (Lab Number: 4F26019-08)

Lead

Method

EPA 6010C

80.60 B (Lab Number: 4F26019-01)

Lead

Method

EPA 6010C

80.60 C (Lab Number: 4F26019-02)

Lead

Method

EPA 6010C

80.60 D (Lab Number: 4F26019-03)

Lead

Method

EPA 6010C

Method References

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

DRAFT

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: 80.60 B
Lab Number: 4F26019-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	49.1		0.63	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 80.60 C
Lab Number: 4F26019-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	285		0.63	mg/kg	06/27/24	07/05/24

DRAFT

Results: Total Metals

Sample: 80.60 D
Lab Number: 4F26019-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	7.66		0.62	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 70.60 A
Lab Number: 4F26019-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	21.5		0.59	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 70.60 B
Lab Number: 4F26019-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	74.7		0.72	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 70.60 C
Lab Number: 4F26019-07 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.26		0.68	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 70.60 D
Lab Number: 4F26019-08 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.63	mg/kg	06/27/24	07/05/24

DRAFT

Results: Total Metals

Sample: 60.60 A
Lab Number: 4F26019-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	219		0.60	mg/kg	06/27/24	07/05/24

DRAFT

Results: Total Metals

Sample: 60.60 B
Lab Number: 4F26019-11 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.59		0.72	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 60.60 C
Lab Number: 4F26019-12 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	0.76		0.61	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 60.60 D
Lab Number: 4F26019-13 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.56	mg/kg	06/27/24	07/05/24

DRAFT

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4F1118 - Metals Digestion Soils										
Blank (B4F1118-BLK1)					Prepared: 06/27/24 Analyzed: 07/02/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1118-BLK2)					Prepared: 06/27/24 Analyzed: 07/05/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1118-BLK3)					Prepared: 06/27/24 Analyzed: 07/05/24					
Lead	ND		0.50	mg/kg						
LCS (B4F1118-BS1)					Prepared: 06/27/24 Analyzed: 07/02/24					
Lead	98.4		0.50	mg/kg	100		98.4	85-115		
LCS (B4F1118-BS2)					Prepared: 06/27/24 Analyzed: 07/05/24					
Lead	92.6		0.50	mg/kg	100		92.6	85-115		
LCS (B4F1118-BS3)					Prepared: 06/27/24 Analyzed: 07/05/24					
Lead	95.3		0.50	mg/kg	100		95.3	85-115		

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522

Chain of Custody Record



4 F 2 6019 B

Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site		Matrix		No. of Containers	Preservative	Tests**							
Client: Town of Southborough		Report To: mflynn@parecorp.com													
Invoice To: Accounting															
Date	Time	Comp	Grab	Sample I.D.	Aqueous	Soil	Other		Lead						
6/25	8:30		✓	80,60 B		✓		1	✓						
6/25	8:30		✓	80,60 C		✓		1	✓						
6/25	8:30		✓	80,60 D		✓		1	✓						
6/25	8:30		✓	80,60 E*		✓		1	✓						
6/25	8:35		✓	70,60 A		✓		1	✓						
6/25	8:35		✓	70,60 B		✓		1	✓						
6/25	8:35		✓	70,60 C		✓		1	✓						
6/25	8:35		✓	70,60 D		✓		1	✓						
6/25	8:35		✓	70,60 F*		✓		1	✓						
6/25	8:40		✓	60,60 A		✓		1	✓						
6/25	8:40		✓	60,60 B		✓		1	✓						
6/25	8:40		✓	60,60 C		✓		1	✓						
6/25	8:40		✓	60,60 D		✓		1	✓						
6/25	8:40		✓	60,60 E*		✓		1	✓						
Sampled By: Jeffrey Hawk		Date/Time 6/25 1545	Received By:		Date/Time	Laboratory Remarks:			Special Instructions: *: Hold all "*" samples						
Relinquished By: Kals		Date/Time 6/26 1000	Received By:		Date/Time 6/26 1000	Temp. Received: 6									
**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates														Turnaround Time [Business Days]: 5 Days	

Handwritten signatures and dates:
6/26 1040
6/26/24 1040

Handwritten mark: ✓

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 08176.30

Project Location: Southborough, MA

RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
4F26019

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 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 actions 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
----------	---	--

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.

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

¹All 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: Mike McCallum

Date: 7/11/2024



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F25032

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 05-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/25/24. 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 4F25032. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F25032-01	80.70 A	Soil	06/24/2024	06/25/2024
4F25032-02	80.70 B	Soil	06/24/2024	06/25/2024
4F25032-03	80.70 C	Soil	06/24/2024	06/25/2024
4F25032-04	80.70 D	Soil	06/24/2024	06/25/2024
4F25032-06	90.70 A	Soil	06/24/2024	06/25/2024
4F25032-07	90.70 B	Soil	06/24/2024	06/25/2024
4F25032-08	90.70 C	Soil	06/24/2024	06/25/2024
4F25032-09	90.70 D	Soil	06/24/2024	06/25/2024
4F25032-11	100.70 A	Soil	06/24/2024	06/25/2024
4F25032-12	100.70 B	Soil	06/24/2024	06/25/2024
4F25032-13	100.70 C	Soil	06/24/2024	06/25/2024
4F25032-14	100.70 D	Soil	06/24/2024	06/25/2024

Request for Analysis

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

100.70 A (Lab Number: 4F25032-11)

Lead

Method

EPA 6010C

100.70 B (Lab Number: 4F25032-12)

Lead

Method

EPA 6010C

100.70 C (Lab Number: 4F25032-13)

Lead

Method

EPA 6010C

100.70 D (Lab Number: 4F25032-14)

Lead

Method

EPA 6010C

80.70 A (Lab Number: 4F25032-01)

Lead

Method

EPA 6010C

80.70 B (Lab Number: 4F25032-02)

Lead

Method

EPA 6010C

80.70 C (Lab Number: 4F25032-03)

Lead

Method

EPA 6010C

80.70 D (Lab Number: 4F25032-04)

Lead

Method

EPA 6010C

90.70 A (Lab Number: 4F25032-06)

Lead

Method

EPA 6010C

90.70 B (Lab Number: 4F25032-07)

Lead

Method

EPA 6010C

90.70 C (Lab Number: 4F25032-08)

Lead

Method

EPA 6010C

90.70 D (Lab Number: 4F25032-09)

Lead

Method

EPA 6010C

Method References

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

DRAFT

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: 80.70 A
Lab Number: 4F25032-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	17.3		0.55	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 80.70 B
Lab Number: 4F25032-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	112		0.61	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 80.70 C
Lab Number: 4F25032-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.70		0.64	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 80.70 D
Lab Number: 4F25032-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.47		0.59	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 90.70 A
Lab Number: 4F25032-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	16.6		0.61	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 90.70 B
Lab Number: 4F25032-07 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	459		0.64	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 90.70 C
Lab Number: 4F25032-08 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.67	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 90.70 D
Lab Number: 4F25032-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.65	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 100.70 A
Lab Number: 4F25032-11 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	20.2		0.57	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 100.70 B
Lab Number: 4F25032-12 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	7.27		0.70	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 100.70 C
Lab Number: 4F25032-13 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	62.3		0.69	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 100.70 D
Lab Number: 4F25032-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.60	mg/kg	06/26/24	07/01/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4F1076 - Metals Digestion Soils										
Blank (B4F1076-BLK1)										
Lead	ND		0.50	mg/kg						Prepared: 06/26/24 Analyzed: 06/27/24
LCS (B4F1076-BS1)										
Lead	105		0.50	mg/kg	100		105	85-115		Prepared: 06/26/24 Analyzed: 06/28/24

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893



4 F 2 5032 ^

1-888-863-8522

Chain of Custody Record

Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site			Matrix			No. of Containers	Preservative	Tests**							
Client: Town of Southborough										Aqueous	Soil	Other	Lead	TCLP - Lead			
Report To: mflynn@parecorp.com																	
Invoice To: Accounting																	
Date	Time	Comp	Grab	Sample I.D.	Aqueous	Soil	Other	No. of Containers	Preservative	Lead	TCLP - Lead						
6/24	13:05		✓	80,70 A		✓		1		✓	✓						
6/24	13:05		✓	80,70 B		✓		1		✓	✓						
6/24	13:05		✓	80,70 C		✓		1		✓	✓						
6/24	13:05		✓	80,70 D		✓		1		✓	✓						
6/24	13:05		✓	80,70 E*		✓		1		✓	✓						
6/24	13:10		✓	90,70 A		✓		1		✓	✓						
6/24	13:10		✓	90,70 B		✓		1		✓	✓						
6/24	13:10		✓	90,70 C		✓		1		✓	✓						
6/24	13:10		✓	90,70 D		✓		1		✓	✓						
6/24	13:10		✓	90,70 E*		✓		1		✓	✓						
6/24	13:15		✓	100,70 A		✓		1		✓	✓						
6/24	13:15		✓	100,70 B		✓		1		✓	✓						
6/24	13:15		✓	100,70 C		✓		1		✓	✓						
6/24	13:15		✓	100,70 D		✓		1		✓	✓						
Sampled By: Jeffrey Hawes		Date/Time 6/24 1611	Received By: Ann Rod		Date/Time 6/24/24 1611	Laboratory Remarks: on file				Special Instructions: *: Hold any "*" samples							
Relinquished By: Ann Rod		Date/Time 6/25/24 0931 1540	Received By: Pym		Date/Time 6/25/24 931	Temp. Received: 60											

**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

Turnaround Time [Business Days]: 5 Days

on 6/25
1545

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 08176.30

Project Location: Southborough, MA

RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
4F25032

 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 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 actions 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
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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.

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

¹All 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: Mike McCallum

 Position: Laboratory Director

 Printed Name: Mike McCallum

 Date: 7/5/2024



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F25018

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 03-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/25/24. 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 4F25018. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F25018-02	80.90 AA	Soil	06/24/2024	06/25/2024
4F25018-03	90.90 A	Soil	06/24/2024	06/25/2024
4F25018-04	90.90 B	Soil	06/24/2024	06/25/2024
4F25018-05	90.90 C	Soil	06/24/2024	06/25/2024
4F25018-06	90.90 D	Soil	06/24/2024	06/25/2024
4F25018-08	100.90 A	Soil	06/24/2024	06/25/2024
4F25018-09	100.90 B	Soil	06/24/2024	06/25/2024
4F25018-10	100.90 C	Soil	06/24/2024	06/25/2024
4F25018-11	100.90 D	Soil	06/24/2024	06/25/2024
4F25018-13	110.90 A	Soil	06/24/2024	06/25/2024
4F25018-14	110.90 B	Soil	06/24/2024	06/25/2024

Request for Analysis

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

100.90 A (Lab Number: 4F25018-08)

Lead

Method

EPA 6010C

100.90 B (Lab Number: 4F25018-09)

Lead

Method

EPA 6010C

100.90 C (Lab Number: 4F25018-10)

Lead

Method

EPA 6010C

100.90 D (Lab Number: 4F25018-11)

Lead

Method

EPA 6010C

110.90 A (Lab Number: 4F25018-13)

Lead

Method

EPA 6010C

110.90 B (Lab Number: 4F25018-14)

Lead

Method

EPA 6010C

80.90 AA (Lab Number: 4F25018-02)

Lead

Method

EPA 6010C

90.90 A (Lab Number: 4F25018-03)

Lead

Method

EPA 6010C

90.90 B (Lab Number: 4F25018-04)

Lead

Method

EPA 6010C

90.90 C (Lab Number: 4F25018-05)

Lead

Method

EPA 6010C

90.90 D (Lab Number: 4F25018-06)

Lead

Method

EPA 6010C

Method References

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

DRAFT

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: 80.90 AA
Lab Number: 4F25018-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.68	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 90.90 A
Lab Number: 4F25018-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	94.3		0.74	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 90.90 B
Lab Number: 4F25018-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	22.1		0.69	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 90.90 C
Lab Number: 4F25018-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.67	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 90.90 D
Lab Number: 4F25018-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.67	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 100.90 A
Lab Number: 4F25018-08 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.75	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 100.90 B
Lab Number: 4F25018-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	176		0.69	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 100.90 C
Lab Number: 4F25018-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.64	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 100.90 D
Lab Number: 4F25018-11 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.67	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 110.90 A
Lab Number: 4F25018-13 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.70	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 110.90 B
Lab Number: 4F25018-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	175		0.70	mg/kg	06/26/24	07/01/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4F1076 - Metals Digestion Soils										
Blank (B4F1076-BLK1)										
Lead	ND		0.50	mg/kg						Prepared: 06/26/24 Analyzed: 06/27/24
LCS (B4F1076-BS1)										
Lead	105		0.50	mg/kg	100		105	85-115		Prepared: 06/26/24 Analyzed: 06/28/24

DRAFT

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893



1-888-863-8522

Chain of Custody Record

Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site				Matrix			No. of Containers	Preservative	Tests**							
Client: Town of Southborough		Report To: mflynn@parecorp.com																
Invoice To: Accounting																		
Date	Time	Comp	Grab	Sample I.D.	Aqueous	Soil	Other			Lead	TCLP - Lead							
6/24	9:30		✓	80,90 E *		✓		1		✓	✓							
6/24	9:30		✓	80,90 AA		✓		1		✓	✓							
6/24	9:35		✓	90,90 A		✓		1		✓	✓							
6/24	9:35		✓	90,90 B		✓		1		✓	✓							
6/24	9:35		✓	90,90 C		✓		1		✓	✓							
6/24	9:35		✓	90,90 D		✓		1		✓	✓							
6/24	9:35		✓	90,90 E *		✓		1		✓	✓							
6/24	10:00		✓	100,90 A		✓		1		✓	✓							
6/24	10:00		✓	100,90 B		✓		1		✓	✓							
6/24	10:00		✓	100,90 C		✓		1		✓	✓							
6/24	10:00		✓	100,90 D		✓		1		✓	✓							
6/24	10:00		✓	100,90 E *		✓		1		✓	✓							
6/24	10:10		✓	110,90 A		✓		1		✓	✓							
6/24	10:10		✓	110,90 B		✓		1		✓	✓							
Sampled By: Selfrey Hawes		Date/Time 6/24 1614	Received By: [Signature]		Date/Time 6/24/24 1614	Laboratory Remarks: ON ice				Special Instructions: * : Hold all "*" samples								
Relinquished By: [Signature]		Date/Time 6/25/24 0931	Received By: [Signature]		Date/Time 6/25/24 931	Temp. Received: 60												
**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates										Turnaround Time [Business Days]: 5 Days								

mm 6/25 1540

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 08176.30

Project Location: Southborough, MA

RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
4F25018

 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 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 actions 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
----------	---	--

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.

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

¹All 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: Mike McCallum

 Position: Laboratory Director

 Printed Name: Mike McCallum

 Date: 7/3/2024



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F27019

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 23-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/27/24. 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 4F27019. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F27019-01	90.0 D	Soil	06/26/2024	06/27/2024
4F27019-03	100.0 A	Soil	06/26/2024	06/27/2024
4F27019-04	100.0 B	Soil	06/26/2024	06/27/2024
4F27019-05	100.0 C	Soil	06/26/2024	06/27/2024
4F27019-06	100.0 D	Soil	06/26/2024	06/27/2024
4F27019-08	110.0 A	Soil	06/26/2024	06/27/2024
4F27019-09	110.0 B	Soil	06/26/2024	06/27/2024
4F27019-10	110.0 C	Soil	06/26/2024	06/27/2024
4F27019-11	110.0 D	Soil	06/26/2024	06/27/2024
4F27019-13	120.0 A	Soil	06/26/2024	06/27/2024
4F27019-14	120.0 B	Soil	06/26/2024	06/27/2024

Request for Analysis

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

100.0 A (Lab Number: 4F27019-03)

Lead

Method

EPA 6010C

100.0 B (Lab Number: 4F27019-04)

Lead

Method

EPA 6010C

100.0 C (Lab Number: 4F27019-05)

Lead

Method

EPA 6010C

100.0 D (Lab Number: 4F27019-06)

Lead

Method

EPA 6010C

110.0 A (Lab Number: 4F27019-08)

Lead

Method

EPA 6010C

110.0 B (Lab Number: 4F27019-09)

Lead

Method

EPA 6010C

110.0 C (Lab Number: 4F27019-10)

Lead

Method

EPA 6010C

110.0 D (Lab Number: 4F27019-11)

Lead

Method

EPA 6010C

120.0 A (Lab Number: 4F27019-13)

Lead

Method

EPA 6010C

120.0 B (Lab Number: 4F27019-14)

Lead

Method

EPA 6010C

90.0 D (Lab Number: 4F27019-01)

Lead

Method

EPA 6010C

Method References

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

DRAFT

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: 90.0 D
Lab Number: 4F27019-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	3.43		0.55	mg/kg	07/02/24	07/19/24

Results: Total Metals

Sample: 100.0 A
Lab Number: 4F27019-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	97.0		0.64	mg/kg	07/02/24	07/19/24

Results: Total Metals

Sample: 100.0 B
Lab Number: 4F27019-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	8.02		0.62	mg/kg	07/02/24	07/19/24

Results: Total Metals

Sample: 100.0 C
Lab Number: 4F27019-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	6.23		0.58	mg/kg	07/02/24	07/19/24

Results: Total Metals

Sample: 100.0 D
Lab Number: 4F27019-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.25		0.56	mg/kg	07/02/24	07/19/24

Results: Total Metals

Sample: 110.0 A
Lab Number: 4F27019-08 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	75.5		0.78	mg/kg	07/02/24	07/19/24

Results: Total Metals

Sample: 110.0 B
Lab Number: 4F27019-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	18.2		0.66	mg/kg	07/02/24	07/19/24

Results: Total Metals

Sample: 110.0 C
Lab Number: 4F27019-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	4.90		0.57	mg/kg	07/02/24	07/19/24

Results: Total Metals

Sample: 110.0 D
Lab Number: 4F27019-11 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	5.21		0.53	mg/kg	07/02/24	07/19/24

Results: Total Metals

Sample: 120.0 A
Lab Number: 4F27019-13 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	17.7		0.58	mg/kg	07/02/24	07/19/24

Results: Total Metals

Sample: 120.0 B
Lab Number: 4F27019-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	7.94		0.67	mg/kg	07/01/24	07/19/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4G0027 - Metals Digestion Soils										
Blank (B4G0027-BLK1)					Prepared: 07/01/24 Analyzed: 07/16/24					
Lead	ND		0.50	mg/kg						
Blank (B4G0027-BLK2)					Prepared: 07/01/24 Analyzed: 07/19/24					
Lead	ND		0.50	mg/kg						
Blank (B4G0027-BLK3)					Prepared: 07/01/24 Analyzed: 07/19/24					
Lead	ND		0.50	mg/kg						
LCS (B4G0027-BS1)					Prepared: 07/01/24 Analyzed: 07/16/24					
Lead	96.3		0.50	mg/kg	100		96.3	85-115		
LCS (B4G0027-BS2)					Prepared: 07/01/24 Analyzed: 07/19/24					
Lead	90.9		0.50	mg/kg	100		90.9	85-115		
Matrix Spike (B4G0027-MS2)			Source: 4F27014-06		Prepared: 07/01/24 Analyzed: 07/19/24					
Lead	136		0.64	mg/kg dry	127	5.44	103	75-125		
Matrix Spike Dup (B4G0027-MSD2)			Source: 4F27014-06		Prepared: 07/01/24 Analyzed: 07/19/24					
Lead	144		0.67	mg/kg dry	134	5.44	103	75-125	5.90	20
Batch: B4G0085 - Metals Digestion Soils										
Blank (B4G0085-BLK1)					Prepared: 07/02/24 Analyzed: 07/19/24					
Lead	ND		0.50	mg/kg						
LCS (B4G0085-BS1)					Prepared: 07/02/24 Analyzed: 07/19/24					
Lead	99.8		0.50	mg/kg	100		99.8	85-115		

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522

Chain of Custody Record



4 F 2 7019 t

Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site		Matrix		No. of Containers	Preservative	Tests**								
Client: Town of Southborough		Report To: mflynn@parecorp.com														
Invoice To: Accounting																
Date	Time	Comp	Grab	Sample I.D.	Aqueous	Soil	Other		Lead							
6/27/24	9:25		✓	90,0 D		✓		1	✓							
6/27	9:25		✓	90,0 E*		✓		1	✓							
6/27	9:36		✓	100,0 A		✓		1	✓							
6/27	9:30		✓	100,0 B		✓		1	✓							
6/27	9:30		✓	100,0 C		✓		1	✓							
6/27	9:30		✓	100,0 D		✓		1	✓							
6/27	9:30		✓	100,0 E*		✓		1	✓							
6/27	9:46		✓	110,0 A		✓		1	✓							
6/27	9:40		✓	110,0 B		✓		1	✓							
6/27	9:40		✓	110,0 C		✓		1	✓							
6/27	9:40		✓	110,0 D		✓		1	✓							
6/27	9:40		✓	110,0 E*		✓		1	✓							
6/27	9:45		✓	120,0 A		✓		1	✓							
6/27	9:45		✓	120,0 B		✓		1	✓							
Sampled By: <i>[Signature]</i>		Date/Time 6/26/24 1535	Received By: <i>[Signature]</i>		Date/Time 6/26/24 1535	Laboratory Remarks:		Special Instructions: *: Hold all "*" samples								
Relinquished By: <i>[Signature]</i>		Date/Time 6/27/24 0856	Received By: <i>[Signature]</i>		Date/Time 6/27/24 0856	Temp. Received: 4										

**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

Turnaround Time [Business Days]: 5 Days

[Signature] 6/27/24
0945

[Signature] 6/27/24
945

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 08176.30

Project Location: Southborough, MA

RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
4F27019

 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 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 actions 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
----------	---	--

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.

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

¹All 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: Mike McCallum

 Position: Laboratory Director

 Printed Name: Mike McCallum

 Date: 7/23/2024



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F26028

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 17-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/26/24. 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 4F26028. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F26028-01	90.40 B	Soil	06/25/2024	06/26/2024
4F26028-02	90.40 C	Soil	06/25/2024	06/26/2024
4F26028-03	90.40 D	Soil	06/25/2024	06/26/2024
4F26028-05	90.40 DD	Soil	06/25/2024	06/26/2024
4F26028-06	80.40 A	Soil	06/25/2024	06/26/2024
4F26028-07	80.40 B	Soil	06/25/2024	06/26/2024
4F26028-08	80.40 C	Soil	06/25/2024	06/26/2024
4F26028-09	80.40 D	Soil	06/25/2024	06/26/2024
4F26028-11	70.40 A	Soil	06/25/2024	06/26/2024
4F26028-12	70.40 B	Soil	06/25/2024	06/26/2024
4F26028-13	70.40 C	Soil	06/25/2024	06/26/2024
4F26028-14	70.40 D	Soil	06/25/2024	06/26/2024

Request for Analysis

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

70.40 A (Lab Number: 4F26028-11)

Lead

Method

EPA 6010C

70.40 B (Lab Number: 4F26028-12)

Lead

Method

EPA 6010C

70.40 C (Lab Number: 4F26028-13)

Lead

Method

EPA 6010C

70.40 D (Lab Number: 4F26028-14)

Lead

Method

EPA 6010C

80.40 A (Lab Number: 4F26028-06)

Lead

Method

EPA 6010C

80.40 B (Lab Number: 4F26028-07)

Lead

Method

EPA 6010C

80.40 C (Lab Number: 4F26028-08)

Lead

Method

EPA 6010C

80.40 D (Lab Number: 4F26028-09)

Lead

Method

EPA 6010C

90.40 B (Lab Number: 4F26028-01)

Lead

Method

EPA 6010C

90.40 C (Lab Number: 4F26028-02)

Lead

Method

EPA 6010C

90.40 D (Lab Number: 4F26028-03)

Lead

Method

EPA 6010C

90.40 DD (Lab Number: 4F26028-05)

Lead

Method

EPA 6010C

Method References

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

DRAFT

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: 90.40 B
Lab Number: 4F26028-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	10.0		0.66	mg/kg	06/28/24	07/12/24

Results: Total Metals

Sample: 90.40 C
Lab Number: 4F26028-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	715		0.61	mg/kg	06/28/24	07/12/24

Results: Total Metals

Sample: 90.40 D
Lab Number: 4F26028-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	3.11		0.62	mg/kg	06/28/24	07/12/24

Results: Total Metals

Sample: 90.40 DD
Lab Number: 4F26028-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.81		0.56	mg/kg	06/28/24	07/12/24

Results: Total Metals

Sample: 80.40 A
Lab Number: 4F26028-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	18.1		0.65	mg/kg	06/28/24	07/12/24

Results: Total Metals

Sample: 80.40 B
Lab Number: 4F26028-07 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	115		0.66	mg/kg	06/28/24	07/12/24

DRAFT

Results: Total Metals

Sample: 80.40 C
Lab Number: 4F26028-08 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.94		0.56	mg/kg	06/28/24	07/12/24

Results: Total Metals

Sample: 80.40 D
Lab Number: 4F26028-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.49		0.55	mg/kg	06/28/24	07/12/24

DRAFT

Results: Total Metals

Sample: 70.40 A
Lab Number: 4F26028-11 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	358		0.58	mg/kg	06/28/24	07/12/24

Results: Total Metals

Sample: 70.40 B
Lab Number: 4F26028-12 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	35.5		0.62	mg/kg	06/28/24	07/12/24

DRAFT

Results: Total Metals

Sample: 70.40 C
Lab Number: 4F26028-13 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	18.9		0.64	mg/kg	06/28/24	07/12/24

DRAFT

Results: Total Metals

Sample: 70.40 D
Lab Number: 4F26028-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.30		0.61	mg/kg	06/28/24	07/12/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4F1177 - Metals Digestion Soils										
Blank (B4F1177-BLK1)					Prepared: 06/28/24 Analyzed: 07/02/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1177-BLK2)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1177-BLK3)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1177-BLK4)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1177-BLK5)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	ND		0.50	mg/kg						
LCS (B4F1177-BS1)					Prepared: 06/28/24 Analyzed: 07/02/24					
Lead	98.4		0.50	mg/kg	100		98.4	85-115		
LCS (B4F1177-BS2)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	99.8		0.50	mg/kg	100		99.8	85-115		
LCS (B4F1177-BS3)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	99.8		0.50	mg/kg	100		99.8	85-115		
LCS (B4F1177-BS4)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	107		0.50	mg/kg	100		107	85-115		
LCS (B4F1177-BS5)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	105		0.50	mg/kg	100		105	85-115		

Notes and Definitions

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

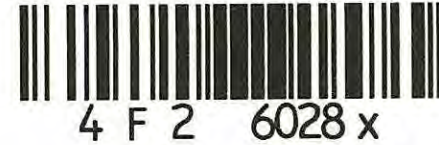
DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522

Chain of Custody Record



Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site		Matrix		No. of Containers	Preservative	Tests**								
Client: Town of Southborough		Report To: mflynn@parecorp.com														
Invoice To: Accounting																
Date	Time	Comp	Grab	Sample I.D.	Aqueous	Soil	Other			Lead						
6/25	10:55		✓	90,40 B		✓		1		✓						
6/25	10:55		✓	90,40 C		✓		1		✓						
6/25	10:55		✓	90,40 D		✓		1		✓						
6/25	10:55		✓	90,40 E *		✓		1		✓						
6/25	10:55		✓	90,40 DD		✓		1		✓						
6/25	11:00		✓	80,40 A		✓		1		✓						
6/25	11:00		✓	80,40 B		✓		1		✓						
6/25	11:00		✓	80,40 C		✓		1		✓						
6/25	11:00		✓	80,40 D		✓		1		✓						
6/25	11:00		✓	80,40 E*		✓		1		✓						
6/25	11:05		✓	70,40 A		✓		1		✓						
6/25	11:05		✓	70,40 B		✓		1		✓						
6/25	11:05		✓	70,40 C		✓		1		✓						
6/25	11:05		✓	70,40 D		✓		1		✓						
Sampled By: Jeffrey Hawer		Date/Time 6/25/1545	Received By:		Date/Time	Laboratory Remarks:		Special Instructions: * Hold all "*" samples								
Relinquished By: Kai		Date/Time 6/26/1000	Received By:		Date/Time 6/26/1000	Temp. Received: 5										
**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates																
Turnaround Time [Business Days]: 5 Days																

6/26 10:46 6/26/24 10:40



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F27076

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 29-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/27/24. 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 4F27076. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F27076-02	90.120 A	Soil	06/27/2024	06/27/2024
4F27076-03	90.120 B	Soil	06/27/2024	06/27/2024
4F27076-05	60.120 A	Soil	06/27/2024	06/27/2024
4F27076-06	60.120 B	Soil	06/27/2024	06/27/2024
4F27076-08	60.150 A	Soil	06/27/2024	06/27/2024
4F27076-09	60.150 B	Soil	06/27/2024	06/27/2024
4F27076-11	90.150 A	Soil	06/27/2024	06/27/2024
4F27076-12	90.150 B	Soil	06/27/2024	06/27/2024
4F27076-14	90.180 A	Soil	06/27/2024	06/27/2024

Request for Analysis

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

60.120 A (Lab Number: 4F27076-05)

Lead

Method

EPA 6010C

60.120 B (Lab Number: 4F27076-06)

Lead

Method

EPA 6010C

60.150 A (Lab Number: 4F27076-08)

Lead

Method

EPA 6010C

60.150 B (Lab Number: 4F27076-09)

Lead

Method

EPA 6010C

90.120 A (Lab Number: 4F27076-02)

Lead

Method

EPA 6010C

90.120 B (Lab Number: 4F27076-03)

Lead

Method

EPA 6010C

90.150 A (Lab Number: 4F27076-11)

Lead

Method

EPA 6010C

90.150 B (Lab Number: 4F27076-12)

Lead

Method

EPA 6010C

90.180 A (Lab Number: 4F27076-14)

Lead

Method

EPA 6010C

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: 90.120 A
Lab Number: 4F27076-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	19.0		0.72	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 90.120 B
Lab Number: 4F27076-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	3.09		0.57	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 60.120 A
Lab Number: 4F27076-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	17.2		0.62	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 60.120 B
Lab Number: 4F27076-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	3.62		0.65	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 60.150 A
Lab Number: 4F27076-08 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	14.2		0.71	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 60.150 B
Lab Number: 4F27076-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	7.64		0.59	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 90.150 A
Lab Number: 4F27076-11 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	13.2		0.62	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 90.150 B
Lab Number: 4F27076-12 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	4.77		0.70	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 90.180 A
Lab Number: 4F27076-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	13.0		0.70	mg/kg	07/03/24	07/27/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4G0176 - Metals Digestion Soils										
Blank (B4G0176-BLK1)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	ND		0.50	mg/kg						
Blank (B4G0176-BLK2)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	ND		0.50	mg/kg						
Blank (B4G0176-BLK3)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	ND		0.50	mg/kg						
Blank (B4G0176-BLK4)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	ND		0.50	mg/kg						
LCS (B4G0176-BS1)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	108		0.50	mg/kg	100		108	85-115		
LCS (B4G0176-BS2)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	106		0.50	mg/kg	100		106	85-115		
LCS (B4G0176-BS3)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	108		0.50	mg/kg	100		108	85-115		
LCS (B4G0176-BS4)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	110		0.50	mg/kg	100		110	85-115		

Notes and Definitions

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

DRAFT

59 Greenhill Street
West Warwick, RI 02893

Chain of Custody Record



Business Days]: 5 Days

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 08176.30

Project Location: Southborough, MA

RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
4F27076

 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 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 actions 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
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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.

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

¹All 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: Mike McCallum

 Position: Laboratory Director

 Printed Name: Mike McCallum

 Date: 7/29/2024



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F27077

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 29-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/27/24. 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 4F27077. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F27077-01	90.180 B	Soil	06/27/2024	06/27/2024
4F27077-03	60.180 A	Soil	06/27/2024	06/27/2024
4F27077-04	60.180 B	Soil	06/27/2024	06/27/2024
4F27077-06	60.180 BB	Soil	06/27/2024	06/27/2024

Request for Analysis

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

60.180 A (Lab Number: 4F27077-03)

Lead

Method

EPA 6010C

60.180 B (Lab Number: 4F27077-04)

Lead

Method

EPA 6010C

60.180 BB (Lab Number: 4F27077-06)

Lead

Method

EPA 6010C

90.180 B (Lab Number: 4F27077-01)

Lead

Method

EPA 6010C

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: 90.180 B
Lab Number: 4F27077-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.66		0.71	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 60.180 A
Lab Number: 4F27077-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	48.1		0.87	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 60.180 B
Lab Number: 4F27077-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	4.21		0.75	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 60.180 BB
Lab Number: 4F27077-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	5.29		0.70	mg/kg	07/03/24	07/27/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4G0176 - Metals Digestion Soils										
Blank (B4G0176-BLK1)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	ND		0.50	mg/kg						
Blank (B4G0176-BLK2)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	ND		0.50	mg/kg						
Blank (B4G0176-BLK3)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	ND		0.50	mg/kg						
Blank (B4G0176-BLK4)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	ND		0.50	mg/kg						
LCS (B4G0176-BS1)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	108		0.50	mg/kg	100		108	85-115		
LCS (B4G0176-BS2)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	106		0.50	mg/kg	100		106	85-115		
LCS (B4G0176-BS3)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	108		0.50	mg/kg	100		108	85-115		
LCS (B4G0176-BS4)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	110		0.50	mg/kg	100		110	85-115		

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522

Chain of Custody Record



4 F 2 7077 4

Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site				Matrix			No. of Containers	Preservative	Tests**													
Client: Town of Southborough																								
Report To: mflynn@parecorp.com																								
Invoice To: Accounting																								
Date	Time	Comp	Grab	Sample I.D.	Aqueous	Soil	Other			Lead														
6/27	9:30		✓	90,180 B		✓		1		✓														
6/27	9:30		✓	90,180 C*		✓		1		✓														
6/27	9:35		✓	60,180 A		✓		1		✓														
6/27	9:35		✓	60,180 B		✓		1		✓														
6/27	9:35		✓	60,180 C*		✓		1		✓														
6/27	9:35		✓	60,180 BB		✓		1		✓														
6/27			✓			✓		1		✓														
6/27			✓			✓		1		✓														
6/27			✓			✓		1		✓														
6/27			✓			✓		1		✓														
6/27			✓			✓		1		✓														
6/27			✓			✓		1		✓														
6/27			✓			✓		1		✓														
6/27			✓			✓		1		✓														
6/27			✓			✓		1		✓														
Sampled By:		Date/Time	Received By:		Date/Time	Laboratory Remarks:				Special Instructions:														
[Signature]		6/27/14	[Signature]		1453					*: Hold all "*" samples														
Relinquished By:		Date/Time	Received By:		Date/Time	Temp. Received: 25																		
[Signature]		6/27/14	[Signature]		1453																			
**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates											Turnaround Time [Business Days]: 5 Days													

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 08176.30

Project Location: Southborough, MA

RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
4F27077

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 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 actions 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
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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.

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

¹All 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: Mike McCallum

Date: 7/29/2024



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F27035

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 29-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/27/24. 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 4F27035. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F27035-01	90.-10 B	Soil	06/26/2024	06/27/2024
4F27035-03	90.-10 BB	Soil	06/26/2024	06/27/2024
4F27035-04	90.-20 A	Soil	06/26/2024	06/27/2024
4F27035-05	90.-20 B	Soil	06/26/2024	06/27/2024
4F27035-07	90.-30 A	Soil	06/26/2024	06/27/2024
4F27035-08	90.-30 B	Soil	06/26/2024	06/27/2024
4F27035-10	120.-10 A	Soil	06/26/2024	06/27/2024
4F27035-11	120.-10 B	Soil	06/26/2024	06/27/2024
4F27035-13	120.-20 A	Soil	06/26/2024	06/27/2024
4F27035-14	120.-20 B	Soil	06/26/2024	06/27/2024

Request for Analysis

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

120.-10 A (Lab Number: 4F27035-10)

Lead

Method

EPA 6010C

120.-10 B (Lab Number: 4F27035-11)

Lead

Method

EPA 6010C

120.-20 A (Lab Number: 4F27035-13)

Lead

Method

EPA 6010C

120.-20 B (Lab Number: 4F27035-14)

Lead

Method

EPA 6010C

90.-10 B (Lab Number: 4F27035-01)

Lead

Method

EPA 6010C

90.-10 BB (Lab Number: 4F27035-03)

Lead

Method

EPA 6010C

90.-20 A (Lab Number: 4F27035-04)

Lead

Method

EPA 6010C

90.-20 B (Lab Number: 4F27035-05)

Lead

Method

EPA 6010C

90.-30 A (Lab Number: 4F27035-07)

Lead

Method

EPA 6010C

90.-30 B (Lab Number: 4F27035-08)

Lead

Method

EPA 6010C

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: 90.-10 B
Lab Number: 4F27035-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	3.19		0.59	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 90.-10 BB
Lab Number: 4F27035-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	5.77		0.59	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 90.-20 A
Lab Number: 4F27035-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	79.6		0.66	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 90.-20 B
Lab Number: 4F27035-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	4.88		0.64	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 90.-30 A
Lab Number: 4F27035-07 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	51.3		0.68	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 90.-30 B
Lab Number: 4F27035-08 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	10.9		0.69	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 120.-10 A
Lab Number: 4F27035-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	22.3		0.72	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 120.-10 B
Lab Number: 4F27035-11 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	6.46		0.67	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 120.-20 A
Lab Number: 4F27035-13 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	105		0.80	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 120.-20 B
Lab Number: 4F27035-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	5.44		0.69	mg/kg	07/03/24	07/27/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4G0176 - Metals Digestion Soils										
Blank (B4G0176-BLK1)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	ND		0.50	mg/kg						
Blank (B4G0176-BLK2)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	ND		0.50	mg/kg						
Blank (B4G0176-BLK3)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	ND		0.50	mg/kg						
Blank (B4G0176-BLK4)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	ND		0.50	mg/kg						
LCS (B4G0176-BS1)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	108		0.50	mg/kg	100		108	85-115		
LCS (B4G0176-BS2)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	106		0.50	mg/kg	100		106	85-115		
LCS (B4G0176-BS3)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	108		0.50	mg/kg	100		108	85-115		
LCS (B4G0176-BS4)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	110		0.50	mg/kg	100		110	85-115		

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522

Chain of Custody Record



Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site			Matrix		No. of Containers	Preservative	Tests**							
Client: Town of Southborough																
Report To: mflynn@parecorp.com																
Invoice To: Accounting																
Date	Time	Comp	Grab	Sample I.D.	Aqueous	Soil	Other			Lead						
6/26	10:45		✓	90,-10 B		✓		1		✓						
6/27	10:45		✓	90,-10 C *		✓		1		✓						
6/27	10:45		✓	90,-10 BB		✓		1		✓						
6/27	10:50		✓	90,-20 A		✓		1		✓						
6/27	10:50		✓	90,-20 B		✓		1		✓						
6/27	10:50		✓	90,-20 C *		✓		1		✓						
6/27	10:55		✓	90,-30 A		✓		1		✓						
6/27	10:55		✓	90,-30 B		✓		1		✓						
6/27	10:55		✓	90,-30 C *		✓		1		✓						
6/27	11:00		✓	120,-10 A		✓		1		✓						
6/27	11:00		✓	120,-10 B		✓		1		✓						
6/27	11:00		✓	120,-10 C *		✓		1		✓						
6/27	11:05		✓	120,-20 A		✓		1		✓						
6/27	11:05		✓	120,-20 B		✓		1		✓						
Sampled By: <i>John Han</i>		Date/Time 6/26/24 1500	Received By: <i>Amu</i>		Date/Time 6/26/24 1500	Laboratory Remarks:			Special Instructions: * : Hold all "*" samples							
Relinquished By: <i>Amu</i>		Date/Time 6/27/24 0856	Received By: <i>Joey Lauchman</i>		Date/Time 6/27/24 0856	Temp. Received: 3										

**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

Turnaround Time [Business Days] 5 Days

Joey Lauchman 6/27/24
0945

Jeff 6/27/24
945

✓ *CA*

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 08176.30

Project Location: Southborough, MA

RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
4F27035

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 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 actions 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
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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.

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

¹All 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: Mike McCallum

Date: 7/29/2024



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F27015

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 17-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/27/24. 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 4F27015. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F27015-01	100.10 A	Soil	06/26/2024	06/27/2024
4F27015-02	100.10 B	Soil	06/26/2024	06/27/2024
4F27015-03	100.10 C	Soil	06/26/2024	06/27/2024
4F27015-04	100.10 D	Soil	06/26/2024	06/27/2024
4F27015-06	90.10 A	Soil	06/26/2024	06/27/2024
4F27015-07	90.10 B	Soil	06/26/2024	06/27/2024
4F27015-08	90.10 C	Soil	06/26/2024	06/27/2024
4F27015-09	90.10 D	Soil	06/26/2024	06/27/2024
4F27015-11	80.10 A	Soil	06/26/2024	06/27/2024
4F27015-12	80.10 B	Soil	06/26/2024	06/27/2024
4F27015-13	80.10 C	Soil	06/26/2024	06/27/2024
4F27015-14	80.10 D	Soil	06/26/2024	06/27/2024

Request for Analysis

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

100.10 A (Lab Number: 4F27015-01)

Lead

Method

EPA 6010C

100.10 B (Lab Number: 4F27015-02)

Lead

Method

EPA 6010C

100.10 C (Lab Number: 4F27015-03)

Lead

Method

EPA 6010C

100.10 D (Lab Number: 4F27015-04)

Lead

Method

EPA 6010C

80.10 A (Lab Number: 4F27015-11)

Lead

Method

EPA 6010C

80.10 B (Lab Number: 4F27015-12)

Lead

Method

EPA 6010C

80.10 C (Lab Number: 4F27015-13)

Lead

Method

EPA 6010C

80.10 D (Lab Number: 4F27015-14)

Lead

Method

EPA 6010C

90.10 A (Lab Number: 4F27015-06)

Lead

Method

EPA 6010C

90.10 B (Lab Number: 4F27015-07)

Lead

Method

EPA 6010C

90.10 C (Lab Number: 4F27015-08)

Lead

Method

EPA 6010C

90.10 D (Lab Number: 4F27015-09)

Lead

Method

EPA 6010C

Method References

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

DRAFT

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: 100.10 A
Lab Number: 4F27015-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	119		0.69	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 100.10 B
Lab Number: 4F27015-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	26.1		0.66	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 100.10 C
Lab Number: 4F27015-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.61		0.67	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 100.10 D
Lab Number: 4F27015-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.80		0.57	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 90.10 A
Lab Number: 4F27015-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	79.1		0.65	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 90.10 B
Lab Number: 4F27015-07 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	3.67		0.66	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 90.10 C
Lab Number: 4F27015-08 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.33		0.64	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 90.10 D
Lab Number: 4F27015-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	3.00		0.62	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 80.10 A
Lab Number: 4F27015-11 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	213		0.63	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 80.10 B
Lab Number: 4F27015-12 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	81.9		0.65	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 80.10 C
Lab Number: 4F27015-13 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	6.19		0.65	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 80.10 D
Lab Number: 4F27015-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.42		0.64	mg/kg	07/01/24	07/16/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4G0027 - Metals Digestion Soils										
Blank (B4G0027-BLK1)										
Lead	ND		0.50	mg/kg						Prepared: 07/01/24 Analyzed: 07/16/24
LCS (B4G0027-BS1)										
Lead	96.3		0.50	mg/kg	100		96.3	85-115		

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522

Chain of Custody Record



4 F 2 7015 \

Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site			Matrix			No. of Containers	Preservative	Tests**							
Client: Town of Southborough																	
Report To: mflynn@parecorp.com																	
Invoice To: Accounting																	
Date	Time	Comp	Grab	Sample I.D.	Aqueous	Soil	Other	Lead									
6/26/24	8:15		✓	100,10 A		✓		1	✓								
6/26/24	8:15		✓	100,10 B		✓		1	✓								
6/26/24	8:15		✓	100,10 C		✓		1	✓								
6/26/24	8:15		✓	100,10 D		✓		1	✓								
6/26/24	8:15		✓	100,10 E*		✓		1	✓								
6/26/24	8:20		✓	90,10 A		✓		1	✓								
6/26/24	8:20		✓	90,10 B		✓		1	✓								
6/26/24	8:20		✓	90,10 C		✓		1	✓								
6/26/24	8:20		✓	90,10 D		✓		1	✓								
6/26/24	8:20		✓	90,10 E*		✓		1	✓								
6/26/24	8:40		✓	80,10 A		✓		1	✓								
6/26/24	8:40		✓	80,10 B		✓		1	✓								
6/26/24	8:40		✓	80,10 C		✓		1	✓								
6/26/24	8:40		✓	80,10 D		✓		1	✓								
Sampled By: <i>[Signature]</i>		Date/Time 6/26/24 1535	Received By: <i>[Signature]</i>		Date/Time 6/26/24 1535	Laboratory Remarks:			Special Instructions: *: Hold all "*" samples								
Relinquished By: <i>[Signature]</i>		Date/Time 6/27/24 856	Received By: <i>[Signature]</i>		Date/Time 6/27/24 0856	Temp. Received: 6											

**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

Turnaround Time [Business Days]: 5 Days

[Signature] 6/27/24
0945

[Signature] 6/27/24
945

✓ *[Signature]*



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F26042

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 17-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/26/24. 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 4F26042. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F26042-02	100.20 A	Soil	06/25/2024	06/26/2024
4F26042-03	100.20 B	Soil	06/25/2024	06/26/2024
4F26042-04	100.20 C	Soil	06/25/2024	06/26/2024
4F26042-05	100.20 D	Soil	06/25/2024	06/26/2024
4F26042-07	90.20 A	Soil	06/25/2024	06/26/2024
4F26042-08	90.20 B	Soil	06/25/2024	06/26/2024
4F26042-09	90.20 C	Soil	06/25/2024	06/26/2024
4F26042-10	90.20 D	Soil	06/25/2024	06/26/2024
4F26042-12	90.20 AA	Soil	06/25/2024	06/26/2024
4F26042-13	80.20 A	Soil	06/25/2024	06/26/2024
4F26042-14	80.20 B	Soil	06/25/2024	06/26/2024

Request for Analysis

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

100.20 A (Lab Number: 4F26042-02)

Lead

Method

EPA 6010C

100.20 B (Lab Number: 4F26042-03)

Lead

Method

EPA 6010C

100.20 C (Lab Number: 4F26042-04)

Lead

Method

EPA 6010C

100.20 D (Lab Number: 4F26042-05)

Lead

Method

EPA 6010C

80.20 A (Lab Number: 4F26042-13)

Lead

Method

EPA 6010C

80.20 B (Lab Number: 4F26042-14)

Lead

Method

EPA 6010C

90.20 A (Lab Number: 4F26042-07)

Lead

Method

EPA 6010C

90.20 AA (Lab Number: 4F26042-12)

Lead

Method

EPA 6010C

90.20 B (Lab Number: 4F26042-08)

Lead

Method

EPA 6010C

90.20 C (Lab Number: 4F26042-09)

Lead

Method

EPA 6010C

90.20 D (Lab Number: 4F26042-10)

Lead

Method

EPA 6010C

Method References

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

DRAFT

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: 100.20 A
Lab Number: 4F26042-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	92.9		0.58	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 100.20 B
Lab Number: 4F26042-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	188		0.67	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 100.20 C
Lab Number: 4F26042-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	0.93		0.67	mg/kg	06/28/24	07/13/24

DRAFT

Results: Total Metals

Sample: 100.20 D
Lab Number: 4F26042-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	3.64		0.59	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 90.20 A
Lab Number: 4F26042-07 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	30.0		0.64	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 90.20 B
Lab Number: 4F26042-08 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	55.1		0.61	mg/kg	06/28/24	07/13/24

DRAFT

Results: Total Metals

Sample: 90.20 C
Lab Number: 4F26042-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.06		0.63	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 90.20 D
Lab Number: 4F26042-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.26		0.60	mg/kg	06/28/24	07/13/24

DRAFT

Results: Total Metals

Sample: 90.20 AA
Lab Number: 4F26042-12 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	46.8		0.62	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 80.20 A
Lab Number: 4F26042-13 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	65.4		0.62	mg/kg	06/28/24	07/13/24

DRAFT

Results: Total Metals

Sample: 80.20 B
Lab Number: 4F26042-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	31.5		0.58	mg/kg	06/28/24	07/13/24

DRAFT

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4F1177 - Metals Digestion Soils										
Blank (B4F1177-BLK1)					Prepared: 06/28/24 Analyzed: 07/02/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1177-BLK2)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1177-BLK3)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1177-BLK4)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1177-BLK5)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	ND		0.50	mg/kg						
LCS (B4F1177-BS1)					Prepared: 06/28/24 Analyzed: 07/02/24					
Lead	98.4		0.50	mg/kg	100		98.4	85-115		
LCS (B4F1177-BS2)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	99.8		0.50	mg/kg	100		99.8	85-115		
LCS (B4F1177-BS3)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	99.8		0.50	mg/kg	100		99.8	85-115		
LCS (B4F1177-BS4)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	107		0.50	mg/kg	100		107	85-115		
LCS (B4F1177-BS5)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	105		0.50	mg/kg	100		105	85-115		

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522

Chain of Custody Record



4 F 2 6042 e

Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site				Matrix			No. of Containers	Preservative	Tests**							
Client: Town of Southborough																		
Report To: mflynn@parecorp.com																		
Invoice To: Accounting																		
Date	Time	Comp	Grab	Sample I.D.	Aqueous	Soil	Other			Lead	TOC	Asb	Percl					
6/25	13:30		✓	110,20 E*		✓		1		✓								
6/25	13:35		✓	100,20 A		✓		1		✓								
6/25	13:35		✓	100,20 B		✓		1		✓								
6/25	13:35		✓	100,20 C		✓		1		✓								
6/25	13:35		✓	100,20 D		✓		1		✓								
6/25	13:35		✓	100,20 F*		✓		1		✓								
6/25	13:50		✓	90,20 A		✓		1		✓								
6/25	13:50		✓	90,20 B		✓		1		✓								
6/25	13:50		✓	90,20 C		✓		1		✓								
6/25	13:50		✓	90,20 D		✓		1		✓								
6/25	13:50		✓	90,20 E*		✓		1		✓								
6/25	13:50		✓	90,20 AA		✓		1		✓								
6/25	13:55		✓	80,20 A		✓		1		✓								
6/25	13:55		✓	80,20 B		✓		1		✓								
Sampled By: <i>Jeffrey Huns</i>		Date/Time 6/25 1545	Received By:		Date/Time	Laboratory Remarks:				Special Instructions: *: Hold all "*" samples								
Relinquished By: <i>Kee S</i>		Date/Time 6/26 1000	Received By: <i>GR</i>		Date/Time 6/26 1000	Temp. Received: 5												

**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

Turnaround Time [Business Days]: 5 Days

GR 6/26 1040 *6/26 1040*



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F26033

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 17-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/26/24. 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 4F26033. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F26033-01	100.30 A	Soil	06/25/2024	06/26/2024
4F26033-02	100.30 B	Soil	06/25/2024	06/26/2024
4F26033-03	100.30 C	Soil	06/25/2024	06/26/2024
4F26033-04	100.30 D	Soil	06/25/2024	06/26/2024
4F26033-06	110.30 A	Soil	06/25/2024	06/26/2024
4F26033-07	110.30 B	Soil	06/25/2024	06/26/2024
4F26033-08	110.30 C	Soil	06/25/2024	06/26/2024
4F26033-09	110.30 D	Soil	06/25/2024	06/26/2024
4F26033-11	120.30 A	Soil	06/25/2024	06/26/2024
4F26033-12	120.30 B	Soil	06/25/2024	06/26/2024
4F26033-13	120.30 C	Soil	06/25/2024	06/26/2024
4F26033-14	120.30 D	Soil	06/25/2024	06/26/2024

Request for Analysis

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

100.30 A (Lab Number: 4F26033-01)

Lead

Method

EPA 6010C

100.30 B (Lab Number: 4F26033-02)

Lead

Method

EPA 6010C

100.30 C (Lab Number: 4F26033-03)

Lead

Method

EPA 6010C

100.30 D (Lab Number: 4F26033-04)

Lead

Method

EPA 6010C

110.30 A (Lab Number: 4F26033-06)

Lead

Method

EPA 6010C

110.30 B (Lab Number: 4F26033-07)

Lead

Method

EPA 6010C

110.30 C (Lab Number: 4F26033-08)

Lead

Method

EPA 6010C

110.30 D (Lab Number: 4F26033-09)

Lead

Method

EPA 6010C

120.30 A (Lab Number: 4F26033-11)

Lead

Method

EPA 6010C

120.30 B (Lab Number: 4F26033-12)

Lead

Method

EPA 6010C

120.30 C (Lab Number: 4F26033-13)

Lead

Method

EPA 6010C

120.30 D (Lab Number: 4F26033-14)

Lead

Method

EPA 6010C

Method References

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

DRAFT

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: 100.30 A
Lab Number: 4F26033-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	27.5		0.59	mg/kg	06/28/24	07/13/24

DRAFT

Results: Total Metals

Sample: 100.30 B
Lab Number: 4F26033-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	447		0.62	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 100.30 C
Lab Number: 4F26033-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	3.67		0.60	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 100.30 D
Lab Number: 4F26033-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.58		0.63	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 110.30 A
Lab Number: 4F26033-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	28.9		0.61	mg/kg	06/28/24	07/13/24

DRAFT

Results: Total Metals

Sample: 110.30 B
Lab Number: 4F26033-07 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	80.5		0.61	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 110.30 C
Lab Number: 4F26033-08 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	54.4		0.62	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 110.30 D
Lab Number: 4F26033-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	12.7		0.66	mg/kg	06/28/24	07/13/24

DRAFT

Results: Total Metals

Sample: 120.30 A
Lab Number: 4F26033-11 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	44.5		0.67	mg/kg	06/28/24	07/13/24

DRAFT

Results: Total Metals

Sample: 120.30 B
Lab Number: 4F26033-12 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	76.9		0.61	mg/kg	06/28/24	07/13/24

DRAFT

Results: Total Metals

Sample: 120.30 C
Lab Number: 4F26033-13 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1260		0.70	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 120.30 D
Lab Number: 4F26033-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	38.8		0.76	mg/kg	06/28/24	07/13/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4F1177 - Metals Digestion Soils										
Blank (B4F1177-BLK1)					Prepared: 06/28/24 Analyzed: 07/02/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1177-BLK2)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1177-BLK3)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1177-BLK4)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1177-BLK5)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	ND		0.50	mg/kg						
LCS (B4F1177-BS1)					Prepared: 06/28/24 Analyzed: 07/02/24					
Lead	98.4		0.50	mg/kg	100		98.4	85-115		
LCS (B4F1177-BS2)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	99.8		0.50	mg/kg	100		99.8	85-115		
LCS (B4F1177-BS3)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	99.8		0.50	mg/kg	100		99.8	85-115		
LCS (B4F1177-BS4)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	107		0.50	mg/kg	100		107	85-115		
LCS (B4F1177-BS5)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	105		0.50	mg/kg	100		105	85-115		

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522

Chain of Custody Record



4 F 2 6033 /

Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site			Matrix		No. of Containers	Preservative	Tests**							
Client: Town of Southborough									<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Lead</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Cadmium</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chromium</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Copper</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Iron</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Manganese</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Mercury</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Nickel</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Silver</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Vanadium</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Zinc</div> </div>							
Report To: mflynn@parecorp.com																
Invoice To: Accounting																
Date	Time	Comp	Grab	Sample I.D.	Aqueous	Soil	Other									
6/25	11:50		✓	100,30 A		✓		1								
6/25	11:50		✓	100,30 B		✓		1								
6/25	11:50		✓	100,30 C		✓		1								
6/25	11:50		✓	100,30 D		✓		1								
6/25	11:50		✓	100,30 E*		✓		1								
6/25	11:55		✓	110,30 A		✓		1								
6/25	11:55		✓	110,30 B		✓		1								
6/25	11:55		✓	110,30 C		✓		1								
6/25	11:55		✓	110,30 D		✓		1								
6/25	11:55		✓	110,30 E*		✓		1								
6/25	12:00		✓	120,30 A		✓		1								
6/25	12:00		✓	120,30 B		✓		1								
6/25	12:00		✓	120,30 C		✓		1								
6/25	12:00		✓	120,30 D		✓		1								
Sampled By: <i>J. Kelly</i>		Date/Time 6/25/1545	Received By:		Date/Time	Laboratory Remarks:		Special Instructions: *: Hold all "*" samples								
Relinquished By: <i>Kali S</i>		Date/Time 6/26/1000	Received By: <i>[Signature]</i>		Date/Time 6/26/1000	Temp. Received: 5										
**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates																
Turnaround Time [Business Days]: 5 Days																

[Handwritten signatures and dates]
6/26/1046 6/26/1020



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F25034

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 05-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/25/24. 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 4F25034. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F25034-01	100.70 DD	Soil	06/24/2024	06/25/2024
4F25034-03	110.70 A	Soil	06/24/2024	06/25/2024
4F25034-04	110.70 B	Soil	06/24/2024	06/25/2024
4F25034-05	110.70 C	Soil	06/24/2024	06/25/2024
4F25034-06	110.70 D	Soil	06/24/2024	06/25/2024
4F25034-08	120.70 A	Soil	06/24/2024	06/25/2024
4F25034-09	120.70 B	Soil	06/24/2024	06/25/2024
4F25034-10	120.70 C	Soil	06/24/2024	06/25/2024
4F25034-11	120.70 D	Soil	06/24/2024	06/25/2024
4F25034-13	130.70 A	Soil	06/24/2024	06/25/2024
4F25034-14	130.70 B	Soil	06/24/2024	06/25/2024

Request for Analysis

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

100.70 DD (Lab Number: 4F25034-01)

Lead

Method

EPA 6010C

110.70 A (Lab Number: 4F25034-03)

Lead

Method

EPA 6010C

110.70 B (Lab Number: 4F25034-04)

Lead

Method

EPA 6010C

110.70 C (Lab Number: 4F25034-05)

Lead

Method

EPA 6010C

110.70 D (Lab Number: 4F25034-06)

Lead

Method

EPA 6010C

120.70 A (Lab Number: 4F25034-08)

Lead

Method

EPA 6010C

120.70 B (Lab Number: 4F25034-09)

Lead

Method

EPA 6010C

120.70 C (Lab Number: 4F25034-10)

Lead

Method

EPA 6010C

120.70 D (Lab Number: 4F25034-11)

Lead

Method

EPA 6010C

130.70 A (Lab Number: 4F25034-13)

Lead

Method

EPA 6010C

130.70 B (Lab Number: 4F25034-14)

Lead

Method

EPA 6010C

Method References

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

DRAFT

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: 100.70 DD
Lab Number: 4F25034-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.59		0.61	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 110.70 A
Lab Number: 4F25034-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	37.2		0.62	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 110.70 B
Lab Number: 4F25034-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	19.4		0.53	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 110.70 C
Lab Number: 4F25034-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	275		0.64	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 110.70 D
Lab Number: 4F25034-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	3.75		0.65	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 120.70 A
Lab Number: 4F25034-08 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	27.5		0.62	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 120.70 B
Lab Number: 4F25034-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	181		0.65	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 120.70 C
Lab Number: 4F25034-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.70	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 120.70 D
Lab Number: 4F25034-11 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.58	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 130.70 A
Lab Number: 4F25034-13 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	371		0.54	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 130.70 B
Lab Number: 4F25034-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	14.3		0.69	mg/kg	06/26/24	07/01/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4F1076 - Metals Digestion Soils										
Blank (B4F1076-BLK1)										
Lead	ND		0.50	mg/kg						Prepared: 06/26/24 Analyzed: 06/27/24
LCS (B4F1076-BS1)										
Lead	105		0.50	mg/kg	100		105	85-115		Prepared: 06/26/24 Analyzed: 06/28/24

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522



4 F 2 5034 j

Chain of Custody Record

Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site			Matrix			No. of Containers	Preservative	Tests**							
Client: Town of Southborough																	
Report To: mflynn@parecorp.com																	
Invoice To: Accounting																	
Date	Time	Comp	Grab	Sample I.D.	Aqueous	Soil	Other	Lead	TCLP - Lead								
6/24	13:15		✓	100,70 DP		✓		1	✓	✓							
6/24	13:15		✓	100,70 E *		✓		1	✓	✓							
6/24	13:20		✓	110,70 A		✓		1	✓	✓							
6/24	13:20		✓	110,70 B		✓		1	✓	✓							
6/24	13:20		✓	110,70 C		✓		1	✓	✓							
6/24	13:20		✓	110,70 D		✓		1	✓	✓							
6/24	13:20		✓	110,70 E *		✓		1	✓	✓							
6/24	13:25		✓	120,70 A		✓		1	✓	✓							
6/24	13:25		✓	120,70 B		✓		1	✓	✓							
6/24	13:25		✓	120,70 C		✓		1	✓	✓							
6/24	13:25		✓	120,70 D		✓		1	✓	✓							
6/24	13:25		✓	120,70 E *		✓		1	✓	✓							
6/24	13:30		✓	130,70 A		✓		1	✓	✓							
6/24	13:30		✓	130,70 B		✓		1	✓	✓							
Sampled By: Selby Hauer		Date/Time 6/24 1613		Received By: [Signature]		Date/Time 6/24/24 1613		Laboratory Remarks:		Special Instructions: *: Hold any "*" samples							
Relinquished By: [Signature]		Date/Time 6/25/24 0931 1540		Received By: [Signature]		Date/Time 6/25/24 931		Temp. Received: 10									

**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

Turnaround Time [Business Days]: 5 Days

7/1/24 6/25/24

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 08176.30

Project Location: Southborough, MA

RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
4F25034

 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 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 actions 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
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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.

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

¹All 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: Mike McCallum

 Position: Laboratory Director

 Printed Name: Mike McCallum

 Date: 7/5/2024



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F25025

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 03-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/25/24. 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 4F25025. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F25025-01	100.80 B	Soil	06/24/2024	06/25/2024
4F25025-02	100.80 C	Soil	06/24/2024	06/25/2024
4F25025-03	100.80 D	Soil	06/24/2024	06/25/2024
4F25025-05	110.80 A	Soil	06/24/2024	06/25/2024
4F25025-06	110.80 B	Soil	06/24/2024	06/25/2024
4F25025-07	110.80 C	Soil	06/24/2024	06/25/2024
4F25025-08	110.80 D	Soil	06/24/2024	06/25/2024
4F25025-10	110.80 CC	Soil	06/24/2024	06/25/2024
4F25025-11	120.80 A	Soil	06/24/2024	06/25/2024
4F25025-12	120.80 B	Soil	06/24/2024	06/25/2024
4F25025-13	120.80 C	Soil	06/24/2024	06/25/2024

Request for Analysis

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

100.80 B (Lab Number: 4F25025-01)

Lead

Method

EPA 6010C

100.80 C (Lab Number: 4F25025-02)

Lead

Method

EPA 6010C

100.80 D (Lab Number: 4F25025-03)

Lead

Method

EPA 6010C

110.80 A (Lab Number: 4F25025-05)

Lead

Method

EPA 6010C

110.80 B (Lab Number: 4F25025-06)

Lead

Method

EPA 6010C

110.80 C (Lab Number: 4F25025-07)

Lead

Method

EPA 6010C

110.80 CC (Lab Number: 4F25025-10)

Lead

Method

EPA 6010C

110.80 D (Lab Number: 4F25025-08)

Lead

Method

EPA 6010C

120.80 A (Lab Number: 4F25025-11)

Lead

Method

EPA 6010C

120.80 B (Lab Number: 4F25025-12)

Lead

Method

EPA 6010C

120.80 C (Lab Number: 4F25025-13)

Lead

Method

EPA 6010C

Method References

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

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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: 100.80 B
Lab Number: 4F25025-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	78.2		0.64	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 100.80 C
Lab Number: 4F25025-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.57	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 100.80 D
Lab Number: 4F25025-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.61	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 110.80 A
Lab Number: 4F25025-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	382		0.67	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 110.80 B
Lab Number: 4F25025-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	8.68		0.63	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 110.80 C
Lab Number: 4F25025-07 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.58	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 110.80 D
Lab Number: 4F25025-08 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.61	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 110.80 CC
Lab Number: 4F25025-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.67	mg/kg	06/26/24	07/01/24

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Results: Total Metals

Sample: 120.80 A
Lab Number: 4F25025-11 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	232		0.65	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 120.80 B
Lab Number: 4F25025-12 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.09		0.69	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 120.80 C
Lab Number: 4F25025-13 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.64	mg/kg	06/26/24	07/01/24

DRAFT

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4F1076 - Metals Digestion Soils										
Blank (B4F1076-BLK1)										
Lead	ND		0.50	mg/kg						Prepared: 06/26/24 Analyzed: 06/27/24
LCS (B4F1076-BS1)										
Lead	105		0.50	mg/kg	100		105	85-115		Prepared: 06/26/24 Analyzed: 06/28/24

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522



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Chain of Custody Record

Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site			Matrix			No. of Containers	Preservative	Tests**					
Client: Town of Southborough										Aqueous	Soil	Other	Lead	TCLP - Lead	
Report To: mflynn@parecorp.com															
Invoice To: Accounting															
Date	Time	Comp	Grab	Sample I.D.	Aqueous	Soil	Other	No. of Containers	Preservative	Lead	TCLP - Lead				
6/24	11:50		✓	100,80 B		✓		1		✓	✓				
6/24	11:50		✓	100,80 C		✓		1		✓	✓				
6/24	11:50		✓	100,80 D		✓		1		✓	✓				
6/24	11:50		✓	100,80 E *		✓		1		✓	✓				
6/24	11:50		✓	100,80 F *		✓		1		✓	✓				
6/24	11:45		✓	110,80 A		✓		1		✓	✓				
6/24	11:45		✓	110,80 B		✓		1		✓	✓				
6/24	11:45		✓	110,80 C		✓		1		✓	✓				
6/24	11:45		✓	110,80 D		✓		1		✓	✓				
6/24	11:45		✓	110,80 E *		✓		1		✓	✓				
6/24	11:45		✓	110,80 CC		✓		1		✓	✓				
6/24	11:40		✓	120,80 A		✓		1		✓	✓				
6/24	11:40		✓	120,80 B		✓		1		✓	✓				
6/24	11:40		✓	120,80 C		✓		1		✓	✓				
Sampled By: Jeffrey Hawes		Date/Time 6/24 1613	Received By: Ann [Signature]		Date/Time 6/24/24 1613	Laboratory Remarks:				Special Instructions: *: Hold all "*" samples					
Relinquished By: Ann [Signature]		Date/Time 6/25/24 0931 1540	Received By: Pym		Date/Time 6/25/24 931	Temp. Received: 10									
**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates										Turnaround Time [Business Days]: 5 Days					

MR Chisham

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 08176.30

Project Location: Southborough, MA

RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
4F25025

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 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 actions 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
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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.

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

¹All 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: Mike McCallum

Date: 7/3/2024



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F26023

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 17-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/26/24. 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 4F26023. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F26023-01	110.50 B	Soil	06/25/2024	06/26/2024
4F26023-02	110.50 C	Soil	06/25/2024	06/26/2024
4F26023-03	110.50 D	Soil	06/25/2024	06/26/2024
4F26023-05	120.50 A	Soil	06/25/2024	06/26/2024
4F26023-06	120.50 B	Soil	06/25/2024	06/26/2024
4F26023-07	120.50 C	Soil	06/25/2024	06/26/2024
4F26023-08	120.50 D	Soil	06/25/2024	06/26/2024
4F26023-10	120.50 BB	Soil	06/25/2024	06/26/2024
4F26023-11	130.50 A	Soil	06/25/2024	06/26/2024
4F26023-12	130.50 B	Soil	06/25/2024	06/26/2024
4F26023-13	130.50 C	Soil	06/25/2024	06/26/2024
4F26023-14	130.50 D	Soil	06/25/2024	06/26/2024

Request for Analysis

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

110.50 B (Lab Number: 4F26023-01)

Lead

Method

EPA 6010C

110.50 C (Lab Number: 4F26023-02)

Lead

Method

EPA 6010C

110.50 D (Lab Number: 4F26023-03)

Lead

Method

EPA 6010C

120.50 A (Lab Number: 4F26023-05)

Lead

Method

EPA 6010C

120.50 B (Lab Number: 4F26023-06)

Lead

Method

EPA 6010C

120.50 BB (Lab Number: 4F26023-10)

Lead

Method

EPA 6010C

120.50 C (Lab Number: 4F26023-07)

Lead

Method

EPA 6010C

120.50 D (Lab Number: 4F26023-08)

Lead

Method

EPA 6010C

130.50 A (Lab Number: 4F26023-11)

Lead

Method

EPA 6010C

130.50 B (Lab Number: 4F26023-12)

Lead

Method

EPA 6010C

130.50 C (Lab Number: 4F26023-13)

Lead

Method

EPA 6010C

130.50 D (Lab Number: 4F26023-14)

Lead

Method

EPA 6010C

Method References

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

DRAFT

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: 110.50 B
Lab Number: 4F26023-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	20.0		0.63	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 110.50 C
Lab Number: 4F26023-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	3.19		0.61	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 110.50 D
Lab Number: 4F26023-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.10		0.61	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 120.50 A
Lab Number: 4F26023-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	17.2		0.61	mg/kg	06/27/24	07/12/24

Results: Total Metals

Sample: 120.50 B
Lab Number: 4F26023-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	5.94		0.61	mg/kg	06/27/24	07/12/24

Results: Total Metals

Sample: 120.50 C
Lab Number: 4F26023-07 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	728		0.60	mg/kg	06/27/24	07/12/24

Results: Total Metals

Sample: 120.50 D
Lab Number: 4F26023-08 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	6.02		0.67	mg/kg	06/27/24	07/12/24

DRAFT

Results: Total Metals

Sample: 120.50 BB
Lab Number: 4F26023-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	6.83		0.52	mg/kg	06/27/24	07/12/24

Results: Total Metals

Sample: 130.50 A
Lab Number: 4F26023-11 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	498		0.66	mg/kg	06/27/24	07/12/24

Results: Total Metals

Sample: 130.50 B
Lab Number: 4F26023-12 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	10.1		0.65	mg/kg	06/27/24	07/12/24

Results: Total Metals

Sample: 130.50 C
Lab Number: 4F26023-13 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	439		0.66	mg/kg	06/27/24	07/12/24

Results: Total Metals

Sample: 130.50 D
Lab Number: 4F26023-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	13.9		0.64	mg/kg	06/27/24	07/12/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4F1118 - Metals Digestion Soils										
Blank (B4F1118-BLK1)					Prepared: 06/27/24 Analyzed: 07/02/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1118-BLK2)					Prepared: 06/27/24 Analyzed: 07/05/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1118-BLK3)					Prepared: 06/27/24 Analyzed: 07/05/24					
Lead	ND		0.50	mg/kg						
LCS (B4F1118-BS1)					Prepared: 06/27/24 Analyzed: 07/02/24					
Lead	98.4		0.50	mg/kg	100		98.4	85-115		
LCS (B4F1118-BS2)					Prepared: 06/27/24 Analyzed: 07/05/24					
Lead	92.6		0.50	mg/kg	100		92.6	85-115		
LCS (B4F1118-BS3)					Prepared: 06/27/24 Analyzed: 07/05/24					
Lead	95.3		0.50	mg/kg	100		95.3	85-115		

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522

Chain of Custody Record



4 F 2 6023 Z

Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site				Matrix			No. of Containers	Preservative	Tests**					
Client: Town of Southborough											<div style="display: flex; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Lead</div> </div>					
Report To: mflynn@parecorp.com																
Invoice To: Accounting																
Date	Time	Comp	Grab	Sample I.D.	Aqueous	Soil	Other									
6/25	9:20		✓	110,50 B		✓		1								
6/25	9:20		✓	110,50 C		✓		1								
6/25	9:20		✓	110,50 D		✓		1								
6/25	9:20		✓	110,50 E*		✓		1								
6/25	9:25		✓	120,50 A		✓		1								
6/25	9:25		✓	120,50 B		✓		1								
6/25	9:25		✓	120,50 C		✓		1								
6/25	9:25		✓	120,50 D		✓		1								
6/25	9:25		✓	120,50 E*		✓		1								
6/25	9:25		✓	120,50 BB		✓		1								
6/25	9:30		✓	130,50 A		✓		1								
6/25	9:30		✓	130,50 B		✓		1								
6/25	9:30		✓	130,50 C		✓		1								
6/25	9:30		✓	130,50 D		✓		1								
Sampled By: <i>Jeffrey Hauer</i>		Date/Time 6/25/1545	Received By:		Date/Time	Laboratory Remarks:				Special Instructions: *: Hold all "*" samples						
Relinquished By: <i>Kali</i>		Date/Time 6/26/1000	Received By:		Date/Time 6/26/1000	Temp. Received: 60										
<p>**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates</p>																
Turnaround Time [Business Days]: 5 Days																

6/26 1040 Jeff 6/26/24 1040



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F26018

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 11-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/26/24. 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 4F26018. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F26018-01	110.60 D	Soil	06/25/2024	06/26/2024
4F26018-03	100.60 A	Soil	06/25/2024	06/26/2024
4F26018-04	100.60 B	Soil	06/25/2024	06/26/2024
4F26018-05	100.60 C	Soil	06/25/2024	06/26/2024
4F26018-06	100.60 D	Soil	06/25/2024	06/26/2024
4F26018-08	90.60 A	Soil	06/25/2024	06/26/2024
4F26018-09	90.60 B	Soil	06/25/2024	06/26/2024
4F26018-10	90.60 C	Soil	06/25/2024	06/26/2024
4F26018-11	90.60 D	Soil	06/25/2024	06/26/2024
4F26018-13	90.60 CC	Soil	06/25/2024	06/26/2024
4F26018-14	80.60 A	Soil	06/25/2024	06/26/2024

Request for Analysis

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

100.60 A (Lab Number: 4F26018-03)

Lead

Method

EPA 6010C

100.60 B (Lab Number: 4F26018-04)

Lead

Method

EPA 6010C

100.60 C (Lab Number: 4F26018-05)

Lead

Method

EPA 6010C

100.60 D (Lab Number: 4F26018-06)

Lead

Method

EPA 6010C

110.60 D (Lab Number: 4F26018-01)

Lead

Method

EPA 6010C

80.60 A (Lab Number: 4F26018-14)

Lead

Method

EPA 6010C

90.60 A (Lab Number: 4F26018-08)

Lead

Method

EPA 6010C

90.60 B (Lab Number: 4F26018-09)

Lead

Method

EPA 6010C

90.60 C (Lab Number: 4F26018-10)

Lead

Method

EPA 6010C

90.60 CC (Lab Number: 4F26018-13)

Lead

Method

EPA 6010C

90.60 D (Lab Number: 4F26018-11)

Lead

Method

EPA 6010C

Method References

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

DRAFT

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: 110.60 D
Lab Number: 4F26018-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	83.5		0.67	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 100.60 A
Lab Number: 4F26018-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	24.8		0.57	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 100.60 B
Lab Number: 4F26018-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	17.7		0.62	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 100.60 C
Lab Number: 4F26018-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	4.59		0.64	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 100.60 D
Lab Number: 4F26018-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.64	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 90.60 A
Lab Number: 4F26018-08 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	19.3		0.59	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 90.60 B
Lab Number: 4F26018-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	6.38		0.55	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 90.60 C
Lab Number: 4F26018-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	40.9		0.63	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 90.60 D
Lab Number: 4F26018-11 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.33		0.60	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 90.60 CC
Lab Number: 4F26018-13 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	36.9		0.68	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 80.60 A
Lab Number: 4F26018-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	58.5		0.63	mg/kg	06/27/24	07/05/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4F1118 - Metals Digestion Soils										
Blank (B4F1118-BLK1)					Prepared: 06/27/24 Analyzed: 07/02/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1118-BLK2)					Prepared: 06/27/24 Analyzed: 07/05/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1118-BLK3)					Prepared: 06/27/24 Analyzed: 07/05/24					
Lead	ND		0.50	mg/kg						
LCS (B4F1118-BS1)					Prepared: 06/27/24 Analyzed: 07/02/24					
Lead	98.4		0.50	mg/kg	100		98.4	85-115		
LCS (B4F1118-BS2)					Prepared: 06/27/24 Analyzed: 07/05/24					
Lead	92.6		0.50	mg/kg	100		92.6	85-115		
LCS (B4F1118-BS3)					Prepared: 06/27/24 Analyzed: 07/05/24					
Lead	95.3		0.50	mg/kg	100		95.3	85-115		

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522

Chain of Custody Record



4 F 2 6018 <

Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site				Matrix		No. of Containers	Preservative	Tests**						
Client: Town of Southborough		Report To: mflynn@parecorp.com														
Invoice To: Accounting																
Date	Time	Comp	Grab	Sample I.D.	Aqueous	Soil	Other			Lead						
6/25	8:10		✓	110.60 D		✓		1		✓						
6/25	8:10		✓	110.60 E*		✓		1		✓						
6/25	8:13		✓	100.60 A		✓		1		✓						
6/25	8:15		✓	100.60 B		✓		1		✓						
6/25	8:15		✓	100.60 C		✓		1		✓						
6/25	8:15		✓	100.60 D		✓		1		✓						
6/25	8:13		✓	100.60 E*		✓		1		✓						
6/25	8:25		✓	90.60 A		✓		1		✓						
6/25	8:25		✓	90.60 B		✓		1		✓						
6/25	8:25		✓	90.60 C		✓		1		✓						
6/25	8:25		✓	90.60 D		✓		1		✓						
6/25	8:25		✓	90.60 E*		✓		1		✓						
6/25	8:25		✓	90.60 CC		✓		1		✓						
6/25	8:30		✓	80.60 A		✓		1		✓						
Sampled By: <i>Jelly Hensler</i>		Date/Time 6/25 1545	Received By:		Date/Time	Laboratory Remarks:			Special Instructions: *: Hold all "*" samples							
Relinquished By: <i>RelS</i>		Date/Time 6/26 1000	Received By: <i>GR</i>		Date/Time 6/26 1000	Temp. Received: 3										
**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates										Turnaround Time [Business Days]: 5 Days						

Jr 6/26 1040 *GR* 6/26/24 1040



MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 08176.30

Project Location: Southborough, MA

RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
4F26018

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 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 actions 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
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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.

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

¹All 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: Mike McCallum

Date: 7/11/2024



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F25020

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 03-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/25/24. 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 4F25020. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F25020-01	110.90 C	Soil	06/24/2024	06/25/2024
4F25020-02	120.90 A	Soil	06/24/2024	06/25/2024
4F25020-03	120.90 B	Soil	06/24/2024	06/25/2024
4F25020-04	120.90 C	Soil	06/24/2024	06/25/2024
4F25020-05	120.90 D	Soil	06/24/2024	06/25/2024
4F25020-07	130.90 A	Soil	06/24/2024	06/25/2024
4F25020-08	130.90 B	Soil	06/24/2024	06/25/2024
4F25020-09	130.90 C	Soil	06/24/2024	06/25/2024
4F25020-10	130.90 D	Soil	06/24/2024	06/25/2024
4F25020-12	140.90 A	Soil	06/24/2024	06/25/2024
4F25020-13	140.90 B	Soil	06/24/2024	06/25/2024
4F25020-14	140.90 C	Soil	06/24/2024	06/25/2024

Request for Analysis

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

110.90 C (Lab Number: 4F25020-01)

Lead

Method

EPA 6010C

120.90 A (Lab Number: 4F25020-02)

Lead

Method

EPA 6010C

120.90 B (Lab Number: 4F25020-03)

Lead

Method

EPA 6010C

120.90 C (Lab Number: 4F25020-04)

Lead

Method

EPA 6010C

120.90 D (Lab Number: 4F25020-05)

Lead

Method

EPA 6010C

130.90 A (Lab Number: 4F25020-07)

Lead

Method

EPA 6010C

130.90 B (Lab Number: 4F25020-08)

Lead

Method

EPA 6010C

130.90 C (Lab Number: 4F25020-09)

Lead

Method

EPA 6010C

130.90 D (Lab Number: 4F25020-10)

Lead

Method

EPA 6010C

140.90 A (Lab Number: 4F25020-12)

Lead

Method

EPA 6010C

140.90 B (Lab Number: 4F25020-13)

Lead

Method

EPA 6010C

140.90 C (Lab Number: 4F25020-14)

Lead

Method

EPA 6010C

Method References

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

DRAFT

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: 110.90 C
Lab Number: 4F25020-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.35		0.60	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 120.90 A
Lab Number: 4F25020-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.66	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 120.90 B
Lab Number: 4F25020-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	52.2		0.70	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 120.90 C
Lab Number: 4F25020-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.57	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 120.90 D
Lab Number: 4F25020-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.62	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 130.90 A
Lab Number: 4F25020-07 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.58	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 130.90 B
Lab Number: 4F25020-08 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	238		0.70	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 130.90 C
Lab Number: 4F25020-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.61	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 130.90 D
Lab Number: 4F25020-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.65	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 140.90 A
Lab Number: 4F25020-12 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.73	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 140.90 B
Lab Number: 4F25020-13 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	784		0.64	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 140.90 C
Lab Number: 4F25020-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	13.2		0.55	mg/kg	06/26/24	07/01/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4F1076 - Metals Digestion Soils										
Blank (B4F1076-BLK1)										
Lead	ND		0.50	mg/kg						Prepared: 06/26/24 Analyzed: 06/27/24
LCS (B4F1076-BS1)										
Lead	105		0.50	mg/kg	100		105	85-115		Prepared: 06/26/24 Analyzed: 06/28/24

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522



4 F 2 5020 }

Chain of Custody Record

Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site				Matrix			No. of Containers	Preservative	Tests**							
Client: Town of Southborough																		
Report To: mflynn@parecorp.com																		
Invoice To: Accounting																		
Date	Time	Comp	Grab	Sample I.D.	Aqueous	Soil	Other			Lead	TCLP - Lead							
6/24	10:10		✓	110,90 C		✓		1		✓	✓							
6/24	10:15		✓	120,90 A		✓		1		✓	✓							
6/24	10:15		✓	120,90 B		✓		1		✓	✓							
6/24	10:15		✓	120,90 C		✓		1		✓	✓							
6/24	10:15		✓	120,90 D		✓		1		✓	✓							
6/24	10:15		✓	120,90 EX		✓		1		✓	✓							
6/24	10:30		✓	130,90 A		✓		1		✓	✓							
6/24	10:30		✓	130,90 B		✓		1		✓	✓							
6/24	10:30		✓	130,90 C		✓		1		✓	✓							
6/24	10:30		✓	130,90 D		✓		1		✓	✓							
6/24	10:30		✓	130,90 EX		✓		1		✓	✓							
6/24	10:45		✓	140,90 A		✓		1		✓	✓							
6/24	10:45		✓	140,90 B		✓		1		✓	✓							
6/24	10:45		✓	140,90 C		✓		1		✓	✓							
Sampled By: Selfray Hawth		Date/Time 6/24 1612	Received By: Ann Ball		Date/Time 6/24/24 1612	Laboratory Remarks: on ice				Special Instructions: *: Hold all "*" samples								
Relinquished By: Ann Ball Pym		Date/Time 6/25/24 0931 1540	Received By: Pym		Date/Time 6/25/24 931	Temp. Received: 60												

**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

Turnaround Time [Business Days]: 5 Days

2M 6/25/24
1540

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 08176.30

Project Location: Southborough, MA

RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
4F25020

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 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 actions 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
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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.

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

¹All 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: Mike McCallum

Date: 7/3/2024



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F27020

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 29-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/27/24. 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 4F27020. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F27020-01	120.0 C	Soil	06/26/2024	06/27/2024
4F27020-02	120.0 D	Soil	06/26/2024	06/27/2024
4F27020-04	130.0 A	Soil	06/26/2024	06/27/2024
4F27020-05	130.0 B	Soil	06/26/2024	06/27/2024
4F27020-06	130.0 C	Soil	06/26/2024	06/27/2024
4F27020-07	130.0 D	Soil	06/26/2024	06/27/2024
4F27020-09	140.0 A	Soil	06/26/2024	06/27/2024
4F27020-10	140.0 B	Soil	06/26/2024	06/27/2024
4F27020-11	140.0 C	Soil	06/26/2024	06/27/2024
4F27020-13	150.0 A	Soil	06/26/2024	06/27/2024
4F27020-14	150.0 B	Soil	06/26/2024	06/27/2024

Request for Analysis

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

120.0 C (Lab Number: 4F27020-01)

Lead

Method

EPA 6010C

120.0 D (Lab Number: 4F27020-02)

Lead

Method

EPA 6010C

130.0 A (Lab Number: 4F27020-04)

Lead

Method

EPA 6010C

130.0 B (Lab Number: 4F27020-05)

Lead

Method

EPA 6010C

130.0 C (Lab Number: 4F27020-06)

Lead

Method

EPA 6010C

130.0 D (Lab Number: 4F27020-07)

Lead

Method

EPA 6010C

140.0 A (Lab Number: 4F27020-09)

Lead

Method

EPA 6010C

140.0 B (Lab Number: 4F27020-10)

Lead

Method

EPA 6010C

140.0 C (Lab Number: 4F27020-11)

Lead

Method

EPA 6010C

150.0 A (Lab Number: 4F27020-13)

Lead

Method

EPA 6010C

150.0 B (Lab Number: 4F27020-14)

Lead

Method

EPA 6010C

Method References

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

DRAFT

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: 120.0 C
Lab Number: 4F27020-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.85		0.62	mg/kg	07/02/24	07/19/24

Results: Total Metals

Sample: 120.0 D
Lab Number: 4F27020-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.34		0.59	mg/kg	07/02/24	07/19/24

Results: Total Metals

Sample: 130.0 A
Lab Number: 4F27020-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	113		0.76	mg/kg	07/02/24	07/19/24

Results: Total Metals

Sample: 130.0 B
Lab Number: 4F27020-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	5.19		0.59	mg/kg	07/02/24	07/26/24

Results: Total Metals

Sample: 130.0 C
Lab Number: 4F27020-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	3.62		0.57	mg/kg	07/02/24	07/26/24

Results: Total Metals

Sample: 130.0 D
Lab Number: 4F27020-07 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.94		0.58	mg/kg	07/02/24	07/26/24

Results: Total Metals

Sample: 140.0 A
Lab Number: 4F27020-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	33.2		0.71	mg/kg	07/02/24	07/26/24

Results: Total Metals

Sample: 140.0 B
Lab Number: 4F27020-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	6.88		0.70	mg/kg	07/02/24	07/26/24

Results: Total Metals

Sample: 140.0 C
Lab Number: 4F27020-11 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	5.98		0.58	mg/kg	07/02/24	07/26/24

Results: Total Metals

Sample: 150.0 A
Lab Number: 4F27020-13 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	54.5		0.76	mg/kg	07/02/24	07/26/24

Results: Total Metals

Sample: 150.0 B
Lab Number: 4F27020-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	13.9		0.70	mg/kg	07/02/24	07/26/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4G0085 - Metals Digestion Soils										
Blank (B4G0085-BLK1)										
Lead	ND		0.50	mg/kg						Prepared: 07/02/24 Analyzed: 07/19/24
Blank (B4G0085-BLK2)										
Lead	ND		0.50	mg/kg						Prepared: 07/02/24 Analyzed: 07/26/24
LCS (B4G0085-BS1)										
Lead	99.8		0.50	mg/kg	100		99.8	85-115		Prepared: 07/02/24 Analyzed: 07/19/24
LCS (B4G0085-BS2)										
Lead	99.1		0.50	mg/kg	100		99.1	85-115		Prepared: 07/02/24 Analyzed: 07/26/24

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522



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Chain of Custody Record

Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site				Matrix			No. of Containers	Preservative	Tests**					
Client: Town of Southborough																
Report To: mflynn@parecorp.com																
Invoice To: Accounting																
Date	Time	Comp	Grab	Sample I.D.	Aqueous	Soil	Other			Lead						
6/27/24	9:45		✓	120.6 C		✓		1		✓						
6/27/24	9:45		✓	120.0 D		✓		1		✓						
6/27/24	9:45		✓	120.0 E*		✓		1		✓						
6/27/24	9:50		✓	130.0 A		✓		1		✓						
6/27/24	9:50		✓	130.0 B		✓		1		✓						
6/27/24	9:50		✓	130.0 C		✓		1		✓						
6/27/24	9:50		✓	130.0 D		✓		1		✓						
6/27/24	9:50		✓	130.0 E*		✓		1		✓						
6/27/24	9:55		✓	140.0 A		✓		1		✓						
6/27/24	9:55		✓	140.0 B		✓		1		✓						
6/27/24	9:55		✓	140.0 C		✓		1		✓						
6/27/24	9:55		✓	140.0 D*		✓		1		✓						
6/27/24	10:00		✓	150.0 A		✓		1		✓						
6/27/24	10:00		✓	150.0 B		✓		1		✓						
Sampled By: <i>[Signature]</i>		Date/Time 6/26/24 1535	Received By: <i>[Signature]</i>		Date/Time 6/26/24 1535	Laboratory Remarks:				Special Instructions: *: Hold all "*" samples						
Relinquished By: <i>[Signature]</i>		Date/Time 6/27/24 856	Received By: <i>[Signature]</i>		Date/Time 6/27/24 0856	Temp. Received: 4										

**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

Turnaround Time [Business Days]: 5 Days

[Signature] 6/27/24
0945

[Signature] 6/27/24
945

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 08176.30

Project Location: Southborough, MA

RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
4F27020

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 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 actions 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
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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.

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

¹All 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: Mike McCallum

Date: 7/29/2024



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F26036

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 17-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/26/24. 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 4F26036. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F26036-02	120.30 CC	Soil	06/25/2024	06/26/2024
4F26036-03	130.30 A	Soil	06/25/2024	06/26/2024
4F26036-04	130.30 B	Soil	06/25/2024	06/26/2024
4F26036-05	130.30 C	Soil	06/25/2024	06/26/2024
4F26036-06	130.30 D	Soil	06/25/2024	06/26/2024
4F26036-08	140.30 A	Soil	06/25/2024	06/26/2024
4F26036-09	140.30 B	Soil	06/25/2024	06/26/2024
4F26036-10	140.30 C	Soil	06/25/2024	06/26/2024
4F26036-11	140.30 D	Soil	06/25/2024	06/26/2024
4F26036-13	150.30 A	Soil	06/25/2024	06/26/2024
4F26036-14	150.30 B	Soil	06/25/2024	06/26/2024

Request for Analysis

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

120.30 CC (Lab Number: 4F26036-02)

Lead

Method

EPA 6010C

130.30 A (Lab Number: 4F26036-03)

Lead

Method

EPA 6010C

130.30 B (Lab Number: 4F26036-04)

Lead

Method

EPA 6010C

130.30 C (Lab Number: 4F26036-05)

Lead

Method

EPA 6010C

130.30 D (Lab Number: 4F26036-06)

Lead

Method

EPA 6010C

140.30 A (Lab Number: 4F26036-08)

Lead

Method

EPA 6010C

140.30 B (Lab Number: 4F26036-09)

Lead

Method

EPA 6010C

140.30 C (Lab Number: 4F26036-10)

Lead

Method

EPA 6010C

140.30 D (Lab Number: 4F26036-11)

Lead

Method

EPA 6010C

150.30 A (Lab Number: 4F26036-13)

Lead

Method

EPA 6010C

150.30 B (Lab Number: 4F26036-14)

Lead

Method

EPA 6010C

Method References

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

DRAFT

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: 120.30 CC
Lab Number: 4F26036-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1230		0.70	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 130.30 A
Lab Number: 4F26036-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	141		0.67	mg/kg	06/28/24	07/13/24

DRAFT

Results: Total Metals

Sample: 130.30 B
Lab Number: 4F26036-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	11.5		0.62	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 130.30 C
Lab Number: 4F26036-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.87		0.59	mg/kg	06/28/24	07/13/24

DRAFT

Results: Total Metals

Sample: 130.30 D
Lab Number: 4F26036-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	4.04		0.56	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 140.30 A
Lab Number: 4F26036-08 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	186		0.66	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 140.30 B
Lab Number: 4F26036-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	6.76		0.66	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 140.30 C
Lab Number: 4F26036-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	5.36		0.67	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 140.30 D
Lab Number: 4F26036-11 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.83		0.60	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 150.30 A
Lab Number: 4F26036-13 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	20.4		0.64	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 150.30 B
Lab Number: 4F26036-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	4.06		0.72	mg/kg	06/28/24	07/13/24

DRAFT

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4F1177 - Metals Digestion Soils										
Blank (B4F1177-BLK1)					Prepared: 06/28/24 Analyzed: 07/02/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1177-BLK2)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1177-BLK3)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1177-BLK4)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1177-BLK5)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	ND		0.50	mg/kg						
LCS (B4F1177-BS1)					Prepared: 06/28/24 Analyzed: 07/02/24					
Lead	98.4		0.50	mg/kg	100		98.4	85-115		
LCS (B4F1177-BS2)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	99.8		0.50	mg/kg	100		99.8	85-115		
LCS (B4F1177-BS3)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	99.8		0.50	mg/kg	100		99.8	85-115		
LCS (B4F1177-BS4)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	107		0.50	mg/kg	100		107	85-115		
LCS (B4F1177-BS5)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	105		0.50	mg/kg	100		105	85-115		

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522

Chain of Custody Record



4 F 2 6036 A

Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site		Matrix		No. of Containers	Preservative	Tests**							
Client: Town of Southborough		Report To: mflynn@parecorp.com													
Invoice To: Accounting															
Date	Time	Comp	Grab	Sample I.D.	Aqueous	Soil	Other		Lead	TOC	Perchlorate	Asbestos	Radon	Salmonella	Carbamates
6/25	12:00		✓	120,30 E*		✓		1	✓	✓					
6/25	12:00		✓	120,30 CC		✓		1	✓	✓					
6/25	12:10		✓	130,30 A		✓		1	✓	✓					
6/25	12:10		✓	130,30 B		✓		1	✓	✓					
6/25	12:10		✓	130,30 C		✓		1	✓	✓					
6/25	12:10		✓	130,30 D		✓		1	✓	✓					
6/25	12:10		✓	130,30 E*		✓		1	✓	✓					
6/25	12:15		✓	140,30 A		✓		1	✓	✓					
6/25	12:15		✓	140,30 B		✓		1	✓	✓					
6/25	12:15		✓	140,30 C		✓		1	✓	✓					
6/25	12:15		✓	140,30 D		✓		1	✓	✓					
6/25	12:15		✓	140,30 E*		✓		1	✓	✓					
6/25	12:20		✓	150,30 A		✓		1	✓	✓					
6/25	12:20		✓	150,30 B		✓		1	✓	✓					
Sampled By: <i>Jethay Hase</i>		Date/Time 6/25	Received By:		Date/Time	Laboratory Remarks:		Special Instructions: *: Hold all "*" samples							
Relinquished By: <i>Kalifon</i>		Date/Time 6/26 1000	Received By:		Date/Time 6/26 1000	Temp. Received: 5									
**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates															
Turnaround Time [Business Days]: 5 Days															



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F26026

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 17-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/26/24. 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 4F26026. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F26026-01	120.40 C	Soil	06/25/2024	06/26/2024
4F26026-02	120.40 D	Soil	06/25/2024	06/26/2024
4F26026-04	110.40 A	Soil	06/25/2024	06/26/2024
4F26026-05	110.40 B	Soil	06/25/2024	06/26/2024
4F26026-06	110.40 C	Soil	06/25/2024	06/26/2024
4F26026-07	110.40 D	Soil	06/25/2024	06/26/2024
4F26026-09	100.40 A	Soil	06/25/2024	06/26/2024
4F26026-10	100.40 B	Soil	06/25/2024	06/26/2024
4F26026-11	100.40 C	Soil	06/25/2024	06/26/2024
4F26026-12	100.40 D	Soil	06/25/2024	06/26/2024
4F26026-14	90.40 A	Soil	06/25/2024	06/26/2024

Request for Analysis

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

100.40 A (Lab Number: 4F26026-09)

Lead

Method

EPA 6010C

100.40 B (Lab Number: 4F26026-10)

Lead

Method

EPA 6010C

100.40 C (Lab Number: 4F26026-11)

Lead

Method

EPA 6010C

100.40 D (Lab Number: 4F26026-12)

Lead

Method

EPA 6010C

110.40 A (Lab Number: 4F26026-04)

Lead

Method

EPA 6010C

110.40 B (Lab Number: 4F26026-05)

Lead

Method

EPA 6010C

110.40 C (Lab Number: 4F26026-06)

Lead

Method

EPA 6010C

110.40 D (Lab Number: 4F26026-07)

Lead

Method

EPA 6010C

120.40 C (Lab Number: 4F26026-01)

Lead

Method

EPA 6010C

120.40 D (Lab Number: 4F26026-02)

Lead

Method

EPA 6010C

90.40 A (Lab Number: 4F26026-14)

Lead

Method

EPA 6010C

Method References

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

DRAFT

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: 120.40 C
Lab Number: 4F26026-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	18.6		0.62	mg/kg	06/27/24	07/12/24

Results: Total Metals

Sample: 120.40 D
Lab Number: 4F26026-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	4.79		0.63	mg/kg	06/27/24	07/12/24

Results: Total Metals

Sample: 110.40 A
Lab Number: 4F26026-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	67.7		0.64	mg/kg	06/27/24	07/12/24

Results: Total Metals

Sample: 110.40 B
Lab Number: 4F26026-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	357		0.67	mg/kg	06/27/24	07/12/24

Results: Total Metals

Sample: 110.40 C
Lab Number: 4F26026-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	29.4		0.69	mg/kg	06/27/24	07/12/24

Results: Total Metals

Sample: 110.40 D
Lab Number: 4F26026-07 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.87		0.64	mg/kg	06/27/24	07/12/24

Results: Total Metals

Sample: 100.40 A
Lab Number: 4F26026-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	59.1		0.59	mg/kg	06/27/24	07/12/24

DRAFT

Results: Total Metals

Sample: 100.40 B
Lab Number: 4F26026-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	58.0		0.58	mg/kg	06/27/24	07/12/24

DRAFT

Results: Total Metals

Sample: 100.40 C
Lab Number: 4F26026-11 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1910		0.73	mg/kg	06/27/24	07/12/24

Results: Total Metals

Sample: 100.40 D
Lab Number: 4F26026-12 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.92		0.61	mg/kg	06/27/24	07/12/24

Results: Total Metals

Sample: 90.40 A
Lab Number: 4F26026-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	30.1		0.56	mg/kg	06/27/24	07/12/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4F1118 - Metals Digestion Soils										
Blank (B4F1118-BLK1)					Prepared: 06/27/24 Analyzed: 07/02/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1118-BLK2)					Prepared: 06/27/24 Analyzed: 07/05/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1118-BLK3)					Prepared: 06/27/24 Analyzed: 07/05/24					
Lead	ND		0.50	mg/kg						
LCS (B4F1118-BS1)					Prepared: 06/27/24 Analyzed: 07/02/24					
Lead	98.4		0.50	mg/kg	100		98.4	85-115		
LCS (B4F1118-BS2)					Prepared: 06/27/24 Analyzed: 07/05/24					
Lead	92.6		0.50	mg/kg	100		92.6	85-115		
LCS (B4F1118-BS3)					Prepared: 06/27/24 Analyzed: 07/05/24					
Lead	95.3		0.50	mg/kg	100		95.3	85-115		

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522

Chain of Custody Record



Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site				Matrix			No. of Containers	Preservative	Tests**													
Client: Town of Southborough											<div style="display: flex; flex-direction: row-reverse;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Lead</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TOC</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Asbestos</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Radon</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Perchlorate</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">UCMRs</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Salmonella</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Bromate</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Bromide</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Sieve</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Radiologicals</div> </div>													
Report To: mflynn@parecorp.com						Aqueous			Soil												Other			
Invoice To: Accounting																								
Date	Time	Comp	Grab	Sample I.D.																				
6/25	10:35		✓	120,40 C		✓		1		✓														
6/25	10:35		✓	120,40 D		✓		1		✓														
6/25	10:35		✓	120,40 E*		✓		1		✓														
6/25	10:45		✓	110,40 A		✓		1		✓														
6/25	10:45		✓	110,40 B		✓		1		✓														
6/25	10:45		✓	110,40 C		✓		1		✓														
6/25	10:45		✓	110,40 D		✓		1		✓														
6/25	10:45		✓	110,40 E*		✓		1		✓														
6/25	10:30		✓	100,40 A		✓		1		✓														
6/25	10:50		✓	100,40 B		✓		1		✓														
6/25	10:50		✓	100,40 C		✓		1		✓														
6/25	10:50		✓	100,40 D		✓		1		✓														
6/25	10:50		✓	100,40 E*		✓		1		✓														
6/25	10:55		✓	90,40 A		✓		1		✓														
Sampled By: <i>Jeffrey Huser</i>		Date/Time 6/25 1545	Received By:		Date/Time	Laboratory Remarks:				Special Instructions: *: HOLD all "*" samples														
Relinquished By: <i>Kari S</i>		Date/Time 6/26 1000	Received By: <i>[Signature]</i>		Date/Time 6/26 1000	Temp. Received: 5																		

**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

Turnaround Time [Business Days]: 5 Days

gr 6/26 1040 Jeff 6/26/24 1040



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F25027

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 03-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/25/24. 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 4F25027. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F25027-01	120.80 D	Soil	06/24/2024	06/25/2024
4F25027-03	130.80 A	Soil	06/24/2024	06/25/2024
4F25027-04	130.80 B	Soil	06/24/2024	06/25/2024
4F25027-05	130.80 C	Soil	06/24/2024	06/25/2024
4F25027-06	130.80 D	Soil	06/24/2024	06/25/2024
4F25027-08	140.80 A	Soil	06/24/2024	06/25/2024
4F25027-09	140.80 B	Soil	06/24/2024	06/25/2024
4F25027-10	140.80 C	Soil	06/24/2024	06/25/2024
4F25027-11	140.80 D	Soil	06/24/2024	06/25/2024
4F25027-13	150.80 A	Soil	06/24/2024	06/25/2024
4F25027-14	150.80 B	Soil	06/24/2024	06/25/2024

Request for Analysis

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

120.80 D (Lab Number: 4F25027-01)

Lead

Method

EPA 6010C

130.80 A (Lab Number: 4F25027-03)

Lead

Method

EPA 6010C

130.80 B (Lab Number: 4F25027-04)

Lead

Method

EPA 6010C

130.80 C (Lab Number: 4F25027-05)

Lead

Method

EPA 6010C

130.80 D (Lab Number: 4F25027-06)

Lead

Method

EPA 6010C

140.80 A (Lab Number: 4F25027-08)

Lead

Method

EPA 6010C

140.80 B (Lab Number: 4F25027-09)

Lead

Method

EPA 6010C

140.80 C (Lab Number: 4F25027-10)

Lead

Method

EPA 6010C

140.80 D (Lab Number: 4F25027-11)

Lead

Method

EPA 6010C

150.80 A (Lab Number: 4F25027-13)

Lead

Method

EPA 6010C

150.80 B (Lab Number: 4F25027-14)

Lead

Method

EPA 6010C

Method References

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

DRAFT

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: 120.80 D
Lab Number: 4F25027-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.57	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 130.80 A
Lab Number: 4F25027-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	107		0.64	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 130.80 B
Lab Number: 4F25027-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	15.7		0.69	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 130.80 C
Lab Number: 4F25027-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	3.34		0.61	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 130.80 D
Lab Number: 4F25027-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.63	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 140.80 A
Lab Number: 4F25027-08 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	212		0.69	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 140.80 B
Lab Number: 4F25027-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	5.43		0.57	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 140.80 C
Lab Number: 4F25027-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	0.93		0.66	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 140.80 D
Lab Number: 4F25027-11 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.67	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 150.80 A
Lab Number: 4F25027-13 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	827		0.79	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 150.80 B
Lab Number: 4F25027-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	175		0.73	mg/kg	06/26/24	07/01/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4F1076 - Metals Digestion Soils										
Blank (B4F1076-BLK1)										
Lead	ND		0.50	mg/kg						Prepared: 06/26/24 Analyzed: 06/27/24
LCS (B4F1076-BS1)										
Lead	105		0.50	mg/kg	100		105	85-115		Prepared: 06/26/24 Analyzed: 06/28/24

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522



4 F 2 5027 a

Chain of Custody Record

Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site				Matrix			No. of Containers	Preservative	Tests**							
Client: Town of Southborough																		
Report To: mflynn@parecorp.com																		
Invoice To: Accounting																		
Date	Time	Comp	Grab	Sample I.D.	Aqueous	Soil	Other	Lead	TCLP - Lead									
6/24	11:40		✓	120,80 D		✓		1	✓	✓								
6/24	11:40		✓	120,80 E*		✓		1	✓	✓								
6/24	11:30		✓	130,80 A		✓		1	✓	✓								
6/24	11:30		✓	130,80 B		✓		1	✓	✓								
6/24	11:30		✓	130,80 C		✓		1	✓	✓								
6/24	11:30		✓	130,80 D		✓		1	✓	✓								
6/24	11:30		✓	130,80 E*		✓		1	✓	✓								
6/24	11:05		✓	140,80 A		✓		1	✓	✓								
6/24	11:05		✓	140,80 B		✓		1	✓	✓								
6/24	11:05		✓	140,80 C		✓		1	✓	✓								
6/24	11:05		✓	140,80 D		✓		1	✓	✓								
6/24	11:05		✓	140,80 E*		✓		1	✓	✓								
6/24	11:00		✓	150,80 A		✓		1	✓	✓								
6/24	11:00		✓	150,80 B		✓		1	✓	✓								
Sampled By: Jeffrey Hend		Date/Time 6/24 16:12	Received By: Ann Bell		Date/Time 6/24/24 1612	Laboratory Remarks: on 14.				Special Instructions: *: Hold all "*" samples								
Relinquished By: Ann Bell Ryan		Date/Time 6/25/24 0921 1540	Received By: Ryan		Date/Time 6/25/24 931	Temp. Received: 10												

**Neutab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

Turnaround Time [Business Days]: 5 Days

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 08176.30

Project Location: Southborough, MA

RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
4F25027

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 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 actions 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
----------	---	--

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.

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

¹All 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: Mike McCallum

Date: 7/3/2024



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F27075

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 29-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/27/24. 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 4F27075. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F27075-01	120.120 B	Soil	06/27/2024	06/27/2024
4F27075-03	150.150 A	Soil	06/27/2024	06/27/2024
4F27075-04	150.150 B	Soil	06/27/2024	06/27/2024
4F27075-06	150.180 A	Soil	06/27/2024	06/27/2024
4F27075-07	150.180 B	Soil	06/27/2024	06/27/2024
4F27075-09	120.150 A	Soil	06/27/2024	06/27/2024
4F27075-10	120.150 B	Soil	06/27/2024	06/27/2024
4F27075-12	120.150 BB	Soil	06/27/2024	06/27/2024
4F27075-13	120.180 A	Soil	06/27/2024	06/27/2024
4F27075-14	120.180 B	Soil	06/27/2024	06/27/2024

Request for Analysis

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

120.120 B (Lab Number: 4F27075-01)

Lead

Method

EPA 6010C

120.150 A (Lab Number: 4F27075-09)

Lead

Method

EPA 6010C

120.150 B (Lab Number: 4F27075-10)

Lead

Method

EPA 6010C

120.150 BB (Lab Number: 4F27075-12)

Lead

Method

EPA 6010C

120.180 A (Lab Number: 4F27075-13)

Lead

Method

EPA 6010C

120.180 B (Lab Number: 4F27075-14)

Lead

Method

EPA 6010C

150.150 A (Lab Number: 4F27075-03)

Lead

Method

EPA 6010C

150.150 B (Lab Number: 4F27075-04)

Lead

Method

EPA 6010C

150.180 A (Lab Number: 4F27075-06)

Lead

Method

EPA 6010C

150.180 B (Lab Number: 4F27075-07)

Lead

Method

EPA 6010C

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: 120.120 B
Lab Number: 4F27075-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	3.68		0.61	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 150.150 A
Lab Number: 4F27075-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	8.76		0.64	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 150.150 B
Lab Number: 4F27075-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.89		0.69	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 150.180 A
Lab Number: 4F27075-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	27.4		0.79	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 150.180 B
Lab Number: 4F27075-07 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	4.25		0.73	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 120.150 A
Lab Number: 4F27075-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	7.84		0.68	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 120.150 B
Lab Number: 4F27075-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	4.38		0.67	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 120.150 BB
Lab Number: 4F27075-12 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	5.61		0.71	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 120.180 A
Lab Number: 4F27075-13 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	5.65		0.78	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 120.180 B
Lab Number: 4F27075-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.47		0.73	mg/kg	07/03/24	07/27/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4G0176 - Metals Digestion Soils										
Blank (B4G0176-BLK1)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	ND		0.50	mg/kg						
Blank (B4G0176-BLK2)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	ND		0.50	mg/kg						
Blank (B4G0176-BLK3)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	ND		0.50	mg/kg						
Blank (B4G0176-BLK4)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	ND		0.50	mg/kg						
LCS (B4G0176-BS1)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	108		0.50	mg/kg	100		108	85-115		
LCS (B4G0176-BS2)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	106		0.50	mg/kg	100		106	85-115		
LCS (B4G0176-BS3)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	108		0.50	mg/kg	100		108	85-115		
LCS (B4G0176-BS4)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	110		0.50	mg/kg	100		110	85-115		

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522

Chain of Custody Record



Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site			Matrix			No. of Containers	Preservative	Tests**							
Client: Town of Southborough																	
Report To: mflynn@parecorp.com																	
Invoice To: Accounting																	
Date	Time	Comp	Grab	Sample I.D.	Aqueous	Soil	Other	Lead									
6/27	8:35		✓	120,120 B		✓		1	✓								
6/27	8:35		✓	120,120 C*		✓		1	✓								
6/27	8:45		✓	150,150 A		✓		1	✓								
6/27	8:45		✓	150,150 B		✓		1	✓								
6/27	8:45		✓	150,150 C*		✓		1	✓								
6/27	8:50		✓	150,180 A		✓		1	✓								
6/27	8:50		✓	150,180 B		✓		1	✓								
6/27	8:50		✓	150,180 C*		✓		1	✓								
6/27	9:00		✓	120,150 A		✓		1	✓								
6/27	9:00		✓	120,150 B		✓		1	✓								
6/27	9:00		✓	120,150 C*		✓		1	✓								
6/27	9:00		✓	120,150 BB		✓		1	✓								
6/27	9:05		✓	120,180 A		✓		1	✓								
6/27	9:05		✓	120,180 B		✓		1	✓								
Sampled By: <i>[Signature]</i>		Date/Time 6/27/24 1453	Received By:		Date/Time	Laboratory Remarks:			Special Instructions: * Hold all "C" samples								
Relinquished By: <i>[Signature]</i>		Date/Time 6/27/24 1453	Received By: <i>[Signature]</i>		Date/Time 6/27/24 1453	Temp. Received: 25											

**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

Turnaround Time [Business Days]: 5 Days

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 08176.30

Project Location: Southborough, MA

RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
4F27075

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 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 actions 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
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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.

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

¹All 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: Mike McCallum

Date: 7/29/2024



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F27014

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 17-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/27/24. 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 4F27014. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F27014-01	130.10 D	Soil	06/26/2024	06/27/2024
4F27014-03	130.10 BB	Soil	06/26/2024	06/27/2024
4F27014-04	120.10 A	Soil	06/26/2024	06/27/2024
4F27014-05	120.10 B	Soil	06/26/2024	06/27/2024
4F27014-06	120.10 C	Soil	06/26/2024	06/27/2024
4F27014-07	120.10 D	Soil	06/26/2024	06/27/2024
4F27014-09	110.10 A	Soil	06/26/2024	06/27/2024
4F27014-10	110.10 B	Soil	06/26/2024	06/27/2024
4F27014-11	110.10 C	Soil	06/26/2024	06/27/2024
4F27014-12	110.10 D	Soil	06/26/2024	06/27/2024
4F27014-14	110.10 CC	Soil	06/26/2024	06/27/2024

Request for Analysis

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

110.10 A (Lab Number: 4F27014-09)

Lead

Method

EPA 6010C

110.10 B (Lab Number: 4F27014-10)

Lead

Method

EPA 6010C

110.10 C (Lab Number: 4F27014-11)

Lead

Method

EPA 6010C

110.10 CC (Lab Number: 4F27014-14)

Lead

Method

EPA 6010C

110.10 D (Lab Number: 4F27014-12)

Lead

Method

EPA 6010C

120.10 A (Lab Number: 4F27014-04)

Lead

Method

EPA 6010C

120.10 B (Lab Number: 4F27014-05)

Lead

Method

EPA 6010C

120.10 C (Lab Number: 4F27014-06)

Lead

Method

EPA 6010C

120.10 D (Lab Number: 4F27014-07)

Lead

Method

EPA 6010C

130.10 BB (Lab Number: 4F27014-03)

Lead

Method

EPA 6010C

130.10 D (Lab Number: 4F27014-01)

Lead

Method

EPA 6010C

Method References

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

DRAFT

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: 130.10 D
Lab Number: 4F27014-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	4.15		0.62	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 130.10 BB
Lab Number: 4F27014-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	10.7		0.64	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 120.10 A
Lab Number: 4F27014-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	54.9		0.72	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 120.10 B
Lab Number: 4F27014-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	51.4		0.68	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 120.10 C
Lab Number: 4F27014-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	5.44		0.65	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 120.10 D
Lab Number: 4F27014-07 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	4.18		0.64	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 110.10 A
Lab Number: 4F27014-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1070		0.77	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 110.10 B
Lab Number: 4F27014-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	11.9		0.72	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 110.10 C
Lab Number: 4F27014-11 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	5.41		0.63	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 110.10 D
Lab Number: 4F27014-12 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.71		0.63	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 110.10 CC
Lab Number: 4F27014-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	4.04		0.68	mg/kg	07/01/24	07/16/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4G0027 - Metals Digestion Soils										
Blank (B4G0027-BLK1)										
Lead	ND		0.50	mg/kg						Prepared: 07/01/24 Analyzed: 07/16/24
LCS (B4G0027-BS1)										
Lead	96.3		0.50	mg/kg	100		96.3	85-115		

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522

Chain of Custody Record



4 F 2 7014 V

Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site				Matrix			No. of Containers	Preservative	Tests**					
Client: Town of Southborough																
Report To: mflynn@parecorp.com																
Invoice To: Accounting																
Date	Time	Comp	Grab	Sample I.D.	Aqueous	Soil	Other			Lead						
6/26	7:55		✓	130,10 D		✓		1		✓						
6/26	7:55		✓	130,10 E*		✓		1		✓						
6/26	7:55		✓	130,10 BB		✓		1		✓						
6/26	8:00		✓	120,10 A		✓		1		✓						
6/26	8:00		✓	120,10 B		✓		1		✓						
6/26	8:00		✓	120,10 C		✓		1		✓						
6/26	8:00		✓	120,10 D		✓		1		✓						
6/26	8:00		✓	120,10 E*		✓		1		✓						
6/26	8:05		✓	110,10 A		✓		1		✓						
6/26	8:05		✓	110,10 B		✓		1		✓						
6/26	8:05		✓	110,10 C		✓		1		✓						
6/26	8:05		✓	110,10 D		✓		1		✓						
6/26	8:05		✓	110,10 E*		✓		1		✓						
6/26	8:05		✓	110,10 CC		✓		1		✓						
Sampled By: <i>[Signature]</i>		Date/Time 6/26/24 1535	Received By: <i>[Signature]</i>		Date/Time 6/26/24 1535	Laboratory Remarks:				Special Instructions: * Hold all * samples						
Relinquished By: <i>[Signature]</i>		Date/Time 6/27/24 0956	Received By: <i>[Signature]</i>		Date/Time 6/27/24 0854	Temp. Received: 6										

**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

Turnaround Time [Business Days]: 5 Days

[Signature] 6/27/24 0945
[Signature] 6/27/24 945

✓ *[Signature]*



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F26039

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 17-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/26/24. 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 4F26039. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F26039-01	130.20 B	Soil	06/25/2024	06/26/2024
4F26039-02	130.20 C	Soil	06/25/2024	06/26/2024
4F26039-03	130.20 D	Soil	06/25/2024	06/26/2024
4F26039-05	130.20 CC	Soil	06/25/2024	06/26/2024
4F26039-06	120.20 A	Soil	06/25/2024	06/26/2024
4F26039-07	120.20 B	Soil	06/25/2024	06/26/2024
4F26039-08	120.20 C	Soil	06/25/2024	06/26/2024
4F26039-09	120.20 D	Soil	06/25/2024	06/26/2024
4F26039-11	110.20 A	Soil	06/25/2024	06/26/2024
4F26039-12	110.20 B	Soil	06/25/2024	06/26/2024
4F26039-13	110.20 C	Soil	06/25/2024	06/26/2024
4F26039-14	110.20 D	Soil	06/25/2024	06/26/2024

Request for Analysis

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

110.20 A (Lab Number: 4F26039-11)

Lead

Method

EPA 6010C

110.20 B (Lab Number: 4F26039-12)

Lead

Method

EPA 6010C

110.20 C (Lab Number: 4F26039-13)

Lead

Method

EPA 6010C

110.20 D (Lab Number: 4F26039-14)

Lead

Method

EPA 6010C

120.20 A (Lab Number: 4F26039-06)

Lead

Method

EPA 6010C

120.20 B (Lab Number: 4F26039-07)

Lead

Method

EPA 6010C

120.20 C (Lab Number: 4F26039-08)

Lead

Method

EPA 6010C

120.20 D (Lab Number: 4F26039-09)

Lead

Method

EPA 6010C

130.20 B (Lab Number: 4F26039-01)

Lead

Method

EPA 6010C

130.20 C (Lab Number: 4F26039-02)

Lead

Method

EPA 6010C

130.20 CC (Lab Number: 4F26039-05)

Lead

Method

EPA 6010C

130.20 D (Lab Number: 4F26039-03)

Lead

Method

EPA 6010C

Method References

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

DRAFT

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: 130.20 B
Lab Number: 4F26039-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	5.63		0.67	mg/kg	06/28/24	07/13/24

DRAFT

Results: Total Metals

Sample: 130.20 C
Lab Number: 4F26039-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.67		0.66	mg/kg	06/28/24	07/13/24

DRAFT

Results: Total Metals

Sample: 130.20 D
Lab Number: 4F26039-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	5.07		0.61	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 130.20 CC
Lab Number: 4F26039-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.45		0.59	mg/kg	06/28/24	07/13/24

DRAFT

Results: Total Metals

Sample: 120.20 A
Lab Number: 4F26039-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	39.2		0.61	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 120.20 B
Lab Number: 4F26039-07 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1110		0.67	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 120.20 C
Lab Number: 4F26039-08 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	7.13		0.65	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 120.20 D
Lab Number: 4F26039-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.90		0.65	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 110.20 A
Lab Number: 4F26039-11 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	19.0		0.59	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 110.20 B
Lab Number: 4F26039-12 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	33.7		0.60	mg/kg	06/28/24	07/13/24

DRAFT

Results: Total Metals

Sample: 110.20 C
Lab Number: 4F26039-13 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.14		0.61	mg/kg	06/28/24	07/13/24

DRAFT

Results: Total Metals

Sample: 110.20 D
Lab Number: 4F26039-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	4.40		0.66	mg/kg	06/28/24	07/13/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4F1177 - Metals Digestion Soils										
Blank (B4F1177-BLK1)					Prepared: 06/28/24 Analyzed: 07/02/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1177-BLK2)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1177-BLK3)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1177-BLK4)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1177-BLK5)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	ND		0.50	mg/kg						
LCS (B4F1177-BS1)					Prepared: 06/28/24 Analyzed: 07/02/24					
Lead	98.4		0.50	mg/kg	100		98.4	85-115		
LCS (B4F1177-BS2)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	99.8		0.50	mg/kg	100		99.8	85-115		
LCS (B4F1177-BS3)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	99.8		0.50	mg/kg	100		99.8	85-115		
LCS (B4F1177-BS4)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	107		0.50	mg/kg	100		107	85-115		
LCS (B4F1177-BS5)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	105		0.50	mg/kg	100		105	85-115		

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522

Chain of Custody Record



4 F 2 6039 S

Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site				Matrix		No. of Containers	Preservative	Tests**						
Client: Town of Southborough																
Report To: mflynn@parecorp.com																
Invoice To: Accounting																
Date	Time	Comp	Grab	Sample I.D.	Aqueous	Soil	Other			Lead						
6/25	13:20		✓	130,20 B		✓		1		✓						
6/25	13:20		✓	130,20 C		✓		1		✓						
6/25	13:20		✓	130,20 D		✓		1		✓						
6/25	13:20		✓	130,20 E*		✓		1		✓						
6/25	13:20		✓	130,20 CC		✓		1		✓						
6/25	13:25		✓	120,20 A		✓		1		✓						
6/25	13:25		✓	120,20 B		✓		1		✓						
6/25	13:25		✓	120,20 C		✓		1		✓						
6/25	13:25		✓	120,20 D		✓		1		✓						
6/25	13:25		✓	120,20 F*		✓		1		✓						
6/25	13:30		✓	110,20 A		✓		1		✓						
6/25	13:30		✓	110,20 B		✓		1		✓						
6/25	13:30		✓	110,20 C		✓		1		✓						
6/25	13:30		✓	110,20 D		✓		1		✓						
Sampled By: <i>Tellus Hase</i>		Date/Time 6/25	Received By:		Date/Time	Laboratory Remarks:			Special Instructions: *: Hold all "*" samples							
Relinquished By: <i>Kali</i>		Date/Time 6/26 1000	Received By:		Date/Time 6/26 1000	Temp. Received: 5										
**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates																
Turnaround Time [Business Days]: 5 Days																

Handwritten signatures and dates:
6/25 1046
6/26 1040



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F26016

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 11-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/26/24. 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 4F26016. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F26016-01	130.60 A	Soil	06/25/2024	06/26/2024
4F26016-02	130.60 B	Soil	06/25/2024	06/26/2024
4F26016-03	160.60 C	Soil	06/25/2024	06/26/2024
4F26016-04	130.60 D	Soil	06/25/2024	06/26/2024
4F26016-06	130.60 BB	Soil	06/25/2024	06/26/2024
4F26016-07	120.60 A	Soil	06/25/2024	06/26/2024
4F26016-08	120.60 B	Soil	06/25/2024	06/26/2024
4F26016-09	120.60 C	Soil	06/25/2024	06/26/2024
4F26016-10	120.60 D	Soil	06/25/2024	06/26/2024
4F26016-12	110.60 A	Soil	06/25/2024	06/26/2024
4F26016-13	110.60 B	Soil	06/25/2024	06/26/2024
4F26016-14	110.60 C	Soil	06/25/2024	06/26/2024

Request for Analysis

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

110.60 A (Lab Number: 4F26016-12)

Lead

Method

EPA 6010C

110.60 B (Lab Number: 4F26016-13)

Lead

Method

EPA 6010C

110.60 C (Lab Number: 4F26016-14)

Lead

Method

EPA 6010C

120.60 A (Lab Number: 4F26016-07)

Lead

Method

EPA 6010C

120.60 B (Lab Number: 4F26016-08)

Lead

Method

EPA 6010C

120.60 C (Lab Number: 4F26016-09)

Lead

Method

EPA 6010C

120.60 D (Lab Number: 4F26016-10)

Lead

Method

EPA 6010C

130.60 A (Lab Number: 4F26016-01)

Lead

Method

EPA 6010C

130.60 B (Lab Number: 4F26016-02)

Lead

Method

EPA 6010C

130.60 BB (Lab Number: 4F26016-06)

Lead

Method

EPA 6010C

130.60 D (Lab Number: 4F26016-04)

Lead

Method

EPA 6010C

160.60 C (Lab Number: 4F26016-03)

Lead

Method

EPA 6010C

Method References

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

DRAFT

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: 130.60 A
Lab Number: 4F26016-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	475		0.60	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 130.60 B
Lab Number: 4F26016-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	22.3		0.67	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 160.60 C
Lab Number: 4F26016-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.23		0.57	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 130.60 D
Lab Number: 4F26016-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.29		0.65	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 130.60 BB
Lab Number: 4F26016-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	10.3		0.69	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 120.60 A
Lab Number: 4F26016-07 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	11.2		0.55	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 120.60 B
Lab Number: 4F26016-08 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	54.0		0.59	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 120.60 C
Lab Number: 4F26016-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	963		0.59	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 120.60 D
Lab Number: 4F26016-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	20.8		0.68	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 110.60 A
Lab Number: 4F26016-12 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	61.3		0.53	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 110.60 B
Lab Number: 4F26016-13 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	78.6		0.98	mg/kg	06/27/24	07/05/24

Results: Total Metals

Sample: 110.60 C
Lab Number: 4F26016-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	14.4		0.62	mg/kg	06/27/24	07/05/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4F1118 - Metals Digestion Soils										
Blank (B4F1118-BLK1)					Prepared: 06/27/24 Analyzed: 07/02/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1118-BLK2)					Prepared: 06/27/24 Analyzed: 07/05/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1118-BLK3)					Prepared: 06/27/24 Analyzed: 07/05/24					
Lead	ND		0.50	mg/kg						
LCS (B4F1118-BS1)					Prepared: 06/27/24 Analyzed: 07/02/24					
Lead	98.4		0.50	mg/kg	100		98.4	85-115		
LCS (B4F1118-BS2)					Prepared: 06/27/24 Analyzed: 07/05/24					
Lead	92.6		0.50	mg/kg	100		92.6	85-115		
LCS (B4F1118-BS3)					Prepared: 06/27/24 Analyzed: 07/05/24					
Lead	95.3		0.50	mg/kg	100		95.3	85-115		

Notes and Definitions

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

DRAFT

59 Greenhill Street
West Warwick, RI 02893

Chain of Custody Record



4 F 2 6016 0

6/26/24
1040

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 08176.30

Project Location: Southborough, MA

RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
4F26016

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 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 actions 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
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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.

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

¹All 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: Mike McCallum

Date: 7/11/2024



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F25035

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 05-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/25/24. 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 4F25035. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F25035-01	130.70 C	Soil	06/24/2024	06/25/2024
4F25035-02	130.70 CC	Soil	06/24/2024	06/25/2024
4F25035-03	130.70 D	Soil	06/24/2024	06/25/2024
4F25035-05	140.70 A	Soil	06/24/2024	06/25/2024
4F25035-06	140.70 B	Soil	06/24/2024	06/25/2024
4F25035-07	140.70 C	Soil	06/24/2024	06/25/2024
4F25035-08	140.70 D	Soil	06/24/2024	06/25/2024
4F25035-10	150.70 A	Soil	06/24/2024	06/25/2024
4F25035-11	150.70 B	Soil	06/24/2024	06/25/2024
4F25035-12	150.70 C	Soil	06/24/2024	06/25/2024
4F25035-13	150.70 D	Soil	06/24/2024	06/25/2024

Request for Analysis

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

130.70 C (Lab Number: 4F25035-01)

Lead

Method

EPA 6010C

130.70 CC (Lab Number: 4F25035-02)

Lead

Method

EPA 6010C

130.70 D (Lab Number: 4F25035-03)

Lead

Method

EPA 6010C

140.70 A (Lab Number: 4F25035-05)

Lead

Method

EPA 6010C

140.70 B (Lab Number: 4F25035-06)

Lead

Method

EPA 6010C

140.70 C (Lab Number: 4F25035-07)

Lead

Method

EPA 6010C

140.70 D (Lab Number: 4F25035-08)

Lead

Method

EPA 6010C

150.70 A (Lab Number: 4F25035-10)

Lead

Method

EPA 6010C

150.70 B (Lab Number: 4F25035-11)

Lead

Method

EPA 6010C

150.70 C (Lab Number: 4F25035-12)

Lead

Method

EPA 6010C

150.70 D (Lab Number: 4F25035-13)

Lead

Method

EPA 6010C

Method References

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

DRAFT

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: 130.70 C
Lab Number: 4F25035-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.60	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 130.70 CC
Lab Number: 4F25035-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.67	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 130.70 D
Lab Number: 4F25035-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.62	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 140.70 A
Lab Number: 4F25035-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	286		0.59	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 140.70 B
Lab Number: 4F25035-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	6700		0.62	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 140.70 C
Lab Number: 4F25035-07 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.58		0.64	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 140.70 D
Lab Number: 4F25035-08 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.67	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 150.70 A
Lab Number: 4F25035-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.68		0.65	mg/kg	06/26/24	07/02/24

Results: Total Metals

Sample: 150.70 B
Lab Number: 4F25035-11 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	21.0		0.67	mg/kg	06/26/24	07/02/24

Results: Total Metals

Sample: 150.70 C
Lab Number: 4F25035-12 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.49		0.65	mg/kg	06/26/24	07/02/24

DRAFT

Results: Total Metals

Sample: 150.70 D
Lab Number: 4F25035-13 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.65	mg/kg	06/26/24	07/02/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4F1076 - Metals Digestion Soils										
Blank (B4F1076-BLK1)										
Lead	ND		0.50	mg/kg						Prepared: 06/26/24 Analyzed: 06/27/24
LCS (B4F1076-BS1)										
Lead	105		0.50	mg/kg	100		105	85-115		Prepared: 06/26/24 Analyzed: 06/28/24

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522



4 F 2 5035 p

Chain of Custody Record

Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site			Matrix			No. of Containers	Preservative	Tests**								
Client: Town of Southborough										Aqueous	Soil	Other	Lead	TCLP - Lead				
Report To: mflynn@parecorp.com																		
Invoice To: Accounting																		
Date	Time	Comp	Grab	Sample I.D.	Aqueous	Soil	Other	No. of Containers	Preservative	Lead	TCLP - Lead							
6/24	13:30		✓	130,70 C	✓	✓		1		✓	✓							
6/24	13:30		✓	130,70 C	✓	✓		1		✓	✓							
6/24	13:30		✓	130,70 D	✓	✓		1		✓	✓							
6/24	13:30		✓	130,70 E*	✓	✓		1		✓	✓							
6/24	13:40		✓	140,70 A	✓	✓		1		✓	✓							
6/24	13:40		✓	140,70 B	✓	✓		1		✓	✓							
6/24	13:40		✓	140,70 C	✓	✓		1		✓	✓							
6/24	13:40		✓	140,70 D	✓	✓		1		✓	✓							
6/24	13:40		✓	140,70 E*	✓	✓		1		✓	✓							
6/24	13:50		✓	150,70 A	✓	✓		1		✓	✓							
6/24	13:50		✓	150,70 B	✓	✓		1		✓	✓							
6/24	13:50		✓	150,70 C	✓	✓		1		✓	✓							
6/24	13:50		✓	150,70 D	✓	✓		1		✓	✓							
6/24	13:50		✓	150,70 E*	✓	✓		1		✓	✓							
Sampled By: Jeffrey Hawes		Date/Time 6/24 1613	Received By: [Signature]		Date/Time 6/24/24 1613	Laboratory Remarks: on ice				Special Instructions: *: Hold any "*" samples								
Relinquished By: [Signature]		Date/Time 6/25/24 0931 1540	Received By: [Signature]		Date/Time 6/25/24 931	Temp. Received: [Signature]												
**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates										Turnaround Time [Business Days]: 5 Days								

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 08176.30

Project Location: Southborough, MA

RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
4F25035

 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 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 actions 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
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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.

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

¹All 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: Mike McCallum

 Position: Laboratory Director

 Printed Name: Mike McCallum

 Date: 7/5/2024



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F26024

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 17-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/26/24. 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 4F26024. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F26024-02	140.50 A	Soil	06/25/2024	06/26/2024
4F26024-03	140.50 B	Soil	06/25/2024	06/26/2024
4F26024-04	140.50 C	Soil	06/25/2024	06/26/2024
4F26024-05	140.50 D	Soil	06/25/2024	06/26/2024
4F26024-07	150.50 A	Soil	06/25/2024	06/26/2024
4F26024-08	150.50 B	Soil	06/25/2024	06/26/2024
4F26024-09	150.50 C	Soil	06/25/2024	06/26/2024
4F26024-10	150.50 D	Soil	06/25/2024	06/26/2024
4F26024-12	150.40 A	Soil	06/25/2024	06/26/2024
4F26024-13	150.40 B	Soil	06/25/2024	06/26/2024
4F26024-14	150.40 C	Soil	06/25/2024	06/26/2024

Request for Analysis

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

140.50 A (Lab Number: 4F26024-02)

Lead

Method

EPA 6010C

140.50 B (Lab Number: 4F26024-03)

Lead

Method

EPA 6010C

140.50 C (Lab Number: 4F26024-04)

Lead

Method

EPA 6010C

140.50 D (Lab Number: 4F26024-05)

Lead

Method

EPA 6010C

150.40 A (Lab Number: 4F26024-12)

Lead

Method

EPA 6010C

150.40 B (Lab Number: 4F26024-13)

Lead

Method

EPA 6010C

150.40 C (Lab Number: 4F26024-14)

Lead

Method

EPA 6010C

150.50 A (Lab Number: 4F26024-07)

Lead

Method

EPA 6010C

150.50 B (Lab Number: 4F26024-08)

Lead

Method

EPA 6010C

150.50 C (Lab Number: 4F26024-09)

Lead

Method

EPA 6010C

150.50 D (Lab Number: 4F26024-10)

Lead

Method

EPA 6010C

Method References

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

DRAFT

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: 140.50 A
Lab Number: 4F26024-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	106		0.72	mg/kg	06/27/24	07/12/24

Results: Total Metals

Sample: 140.50 B
Lab Number: 4F26024-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.88		0.61	mg/kg	06/27/24	07/12/24

Results: Total Metals

Sample: 140.50 C
Lab Number: 4F26024-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	0.75		0.61	mg/kg	06/27/24	07/12/24

Results: Total Metals

Sample: 140.50 D
Lab Number: 4F26024-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.62		0.60	mg/kg	06/27/24	07/12/24

Results: Total Metals

Sample: 150.50 A
Lab Number: 4F26024-07 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	109		0.65	mg/kg	06/27/24	07/12/24

Results: Total Metals

Sample: 150.50 B
Lab Number: 4F26024-08 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	4.61		0.63	mg/kg	06/27/24	07/12/24

Results: Total Metals

Sample: 150.50 C
Lab Number: 4F26024-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	0.95		0.58	mg/kg	06/27/24	07/12/24

Results: Total Metals

Sample: 150.50 D
Lab Number: 4F26024-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.78		0.63	mg/kg	06/27/24	07/12/24

Results: Total Metals

Sample: 150.40 A
Lab Number: 4F26024-12 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	38.2		0.68	mg/kg	06/27/24	07/12/24

Results: Total Metals

Sample: 150.40 B
Lab Number: 4F26024-13 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	12.6		0.64	mg/kg	06/27/24	07/12/24

Results: Total Metals

Sample: 150.40 C
Lab Number: 4F26024-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	0.83		0.60	mg/kg	06/27/24	07/12/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4F1118 - Metals Digestion Soils										
Blank (B4F1118-BLK1)					Prepared: 06/27/24 Analyzed: 07/02/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1118-BLK2)					Prepared: 06/27/24 Analyzed: 07/05/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1118-BLK3)					Prepared: 06/27/24 Analyzed: 07/05/24					
Lead	ND		0.50	mg/kg						
LCS (B4F1118-BS1)					Prepared: 06/27/24 Analyzed: 07/02/24					
Lead	98.4		0.50	mg/kg	100		98.4	85-115		
LCS (B4F1118-BS2)					Prepared: 06/27/24 Analyzed: 07/05/24					
Lead	92.6		0.50	mg/kg	100		92.6	85-115		
LCS (B4F1118-BS3)					Prepared: 06/27/24 Analyzed: 07/05/24					
Lead	95.3		0.50	mg/kg	100		95.3	85-115		

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522

Chain of Custody Record



Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site			Matrix			No. of Containers	Preservative	Tests**					
Client: Town of Southborough															
Report To: mflynn@parecorp.com															
Invoice To: Accounting															
Date	Time	Comp	Grab	Sample I.D.	Aqueous	Soil	Other	Lead							
6/25	9:30		✓	130,50 EX		✓		1	✓						
6/25	9:35		✓	140,50 A		✓		1	✓						
6/25	9:35		✓	140,50 B		✓		1	✓						
6/25	9:35		✓	140,50 C		✓		1	✓						
6/25	9:35		✓	140,50 D		✓		1	✓						
6/25	9:35		✓	140,50 EX		✓		1	✓						
6/25	9:40		✓	150,50 A		✓		1	✓						
6/25	9:40		✓	150,50 B		✓		1	✓						
6/25	9:40		✓	150,50 C		✓		1	✓						
6/25	9:40		✓	150,50 D		✓		1	✓						
6/25	9:40		✓	150,50 EX		✓		1	✓						
6/25	9:45		✓	150,40 A		✓		1	✓						
6/25	9:45		✓	150,40 B		✓		1	✓						
6/25	9:45		✓	150,40 C		✓		1	✓						
Sampled By: <i>Seth Hase</i>		Date/Time 6/25 1545	Received By:		Date/Time	Laboratory Remarks:			Special Instructions: *: Hold all "*" samples						
Relinquished By: <i>Kal. S</i>		Date/Time 6/26 1000	Received By: <i>[Signature]</i>		Date/Time 6/26 1000	Temp. Received: 6									

**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

Turnaround Time [Business Days]: 5 Days



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F25021

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 03-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/25/24. 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 4F25021. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F25021-01	140.90 D	Soil	06/24/2024	06/25/2024
4F25021-03	150.90 A	Soil	06/24/2024	06/25/2024
4F25021-04	150.90 B	Soil	06/24/2024	06/25/2024
4F25021-05	150.90 C	Soil	06/24/2024	06/25/2024
4F25021-06	150.90 D	Soil	06/24/2024	06/25/2024
4F25021-08	60.80 A	Soil	06/24/2024	06/25/2024
4F25021-09	60.80 B	Soil	06/24/2024	06/25/2024
4F25021-10	60.80 C	Soil	06/24/2024	06/25/2024
4F25021-11	60.80 D	Soil	06/24/2024	06/25/2024
4F25021-13	70.80 A	Soil	06/24/2024	06/25/2024
4F25021-14	70.80 B	Soil	06/24/2024	06/25/2024

Request for Analysis

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

140.90 D (Lab Number: 4F25021-01)

Lead

Method

EPA 6010C

150.90 A (Lab Number: 4F25021-03)

Lead

Method

EPA 6010C

150.90 B (Lab Number: 4F25021-04)

Lead

Method

EPA 6010C

150.90 C (Lab Number: 4F25021-05)

Lead

Method

EPA 6010C

150.90 D (Lab Number: 4F25021-06)

Lead

Method

EPA 6010C

60.80 A (Lab Number: 4F25021-08)

Lead

Method

EPA 6010C

60.80 B (Lab Number: 4F25021-09)

Lead

Method

EPA 6010C

60.80 C (Lab Number: 4F25021-10)

Lead

Method

EPA 6010C

60.80 D (Lab Number: 4F25021-11)

Lead

Method

EPA 6010C

70.80 A (Lab Number: 4F25021-13)

Lead

Method

EPA 6010C

70.80 B (Lab Number: 4F25021-14)

Lead

Method

EPA 6010C

Method References

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

DRAFT

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: 140.90 D
Lab Number: 4F25021-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.64	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 150.90 A
Lab Number: 4F25021-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1460		0.65	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 150.90 B
Lab Number: 4F25021-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	162		0.58	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 150.90 C
Lab Number: 4F25021-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	3.55		0.66	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 150.90 D
Lab Number: 4F25021-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.58	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 60.80 A
Lab Number: 4F25021-08 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	461		0.65	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 60.80 B
Lab Number: 4F25021-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.66	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 60.80 C
Lab Number: 4F25021-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.64	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 60.80 D
Lab Number: 4F25021-11 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	0.69		0.67	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 70.80 A
Lab Number: 4F25021-13 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	991		0.69	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 70.80 B
Lab Number: 4F25021-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.65	mg/kg	06/26/24	07/01/24

DRAFT

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4F1076 - Metals Digestion Soils										
Blank (B4F1076-BLK1)										
Lead	ND		0.50	mg/kg						Prepared: 06/26/24 Analyzed: 06/27/24
LCS (B4F1076-BS1)										
Lead	105		0.50	mg/kg	100		105	85-115		Prepared: 06/26/24 Analyzed: 06/28/24

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893



4 F 2 5021

1-888-863-8522

Chain of Custody Record

Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site				Matrix		No. of Containers	Preservative	Tests**								
Client: Town of Southborough										Aqueous	Soil	Other	Lead	TCLP - Lead				
Report To: mflynn@parecorp.com																		
Invoice To: Accounting																		
Date	Time	Comp	Grab	Sample I.D.														
6/24	10:45		✓	140,90 B		✓		1		✓	✓							
6/24	10:45		✓	140,90 E*		✓		1		✓	✓							
6/24	10:50		✓	150,90 A		✓		1		✓	✓							
6/24	10:50		✓	150,90 B		✓		1		✓	✓							
6/24	10:50		✓	150,90 C		✓		1		✓	✓							
6/24	10:50		✓	150,90 D		✓		1		✓	✓							
6/24	10:50		✓	150,90 E*		✓		1		✓	✓							
6/24	12:20		✓	60,80 A		✓		1		✓	✓							
6/24	12:20		✓	60,80 B		✓		1		✓	✓							
6/24	12:20		✓	60,80 C		✓		1		✓	✓							
6/24	12:20		✓	60,80 D		✓		1		✓	✓							
6/24	12:20		✓	60,80 E*		✓		1		✓	✓							
6/24	12:15		✓	70,80 A		✓		1		✓	✓							
6/24	12:15		✓	70,80 B		✓		1		✓	✓							
Sampled By: Jeffrey Haver		Date/Time 6/24/24 1612	Received By: Ann [Signature]		Date/Time 6/24/24 1612	Laboratory Remarks: on 14				Special Instructions: *: Hold all "*" samples								
Relinquished By: Ann [Signature]		Date/Time 6/25/24 0931 15140	Received By: Pym		Date/Time 6/25/24 931	Temp. Received: 10												

**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

Turnaround Time [Business Days]: 5 Days

2hr bhoj
1540

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 08176.30

Project Location: Southborough, MA

RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
4F25021

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 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 actions 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
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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.

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

¹All 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: Mike McCallum

Date: 7/3/2024



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F27021

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 29-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/27/24. 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 4F27021. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F27021-01	150.0 C	Soil	06/26/2024	06/27/2024
4F27021-02	150.0 D	Soil	06/26/2024	06/27/2024
4F27021-05	0.0 A	Soil	06/26/2024	06/27/2024
4F27021-06	0.0 B	Soil	06/26/2024	06/27/2024
4F27021-08	0.0 BB	Soil	06/26/2024	06/27/2024
4F27021-09	0.30 A	Soil	06/26/2024	06/27/2024
4F27021-10	0.30 B	Soil	06/26/2024	06/27/2024
4F27021-12	0.60 A	Soil	06/26/2024	06/27/2024
4F27021-13	0.60 B	Soil	06/26/2024	06/27/2024

Request for Analysis

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

0.0 A (Lab Number: 4F27021-05)

Lead

Method

EPA 6010C

0.0 B (Lab Number: 4F27021-06)

Lead

Method

EPA 6010C

0.0 BB (Lab Number: 4F27021-08)

Lead

Method

EPA 6010C

0.30 A (Lab Number: 4F27021-09)

Lead

Method

EPA 6010C

0.30 B (Lab Number: 4F27021-10)

Lead

Method

EPA 6010C

0.60 A (Lab Number: 4F27021-12)

Lead

Method

EPA 6010C

0.60 B (Lab Number: 4F27021-13)

Lead

Method

EPA 6010C

150.0 C (Lab Number: 4F27021-01)

Lead

Method

EPA 6010C

150.0 D (Lab Number: 4F27021-02)

Lead

Method

EPA 6010C

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: 150.0 C
Lab Number: 4F27021-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	3.03		0.58	mg/kg	07/02/24	07/26/24

Results: Total Metals

Sample: 150.0 D
Lab Number: 4F27021-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.62		0.61	mg/kg	07/02/24	07/26/24

Results: Total Metals

Sample: 0.0 A
Lab Number: 4F27021-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	45.0		0.58	mg/kg	07/02/24	07/26/24

Results: Total Metals

Sample: 0.0 B
Lab Number: 4F27021-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	20.0		0.62	mg/kg	07/02/24	07/26/24

Results: Total Metals

Sample: 0.0 BB
Lab Number: 4F27021-08 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	6.63		0.65	mg/kg	07/02/24	07/26/24

Results: Total Metals

Sample: 0.30 A
Lab Number: 4F27021-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	107		0.62	mg/kg	07/02/24	07/26/24

Results: Total Metals

Sample: 0.30 B
Lab Number: 4F27021-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	17.3		0.67	mg/kg	07/02/24	07/26/24

Results: Total Metals

Sample: 0.60 A
Lab Number: 4F27021-12 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	139		0.69	mg/kg	07/02/24	07/26/24

Results: Total Metals

Sample: 0.60 B
Lab Number: 4F27021-13 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	4.95		0.67	mg/kg	07/02/24	07/26/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4G0085 - Metals Digestion Soils										
Blank (B4G0085-BLK1)										
Lead	ND		0.50	mg/kg						Prepared: 07/02/24 Analyzed: 07/19/24
Blank (B4G0085-BLK2)										
Lead	ND		0.50	mg/kg						Prepared: 07/02/24 Analyzed: 07/26/24
LCS (B4G0085-BS1)										
Lead	99.8		0.50	mg/kg	100		99.8	85-115		Prepared: 07/02/24 Analyzed: 07/19/24
LCS (B4G0085-BS2)										
Lead	99.1		0.50	mg/kg	100		99.1	85-115		Prepared: 07/02/24 Analyzed: 07/26/24

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522

Chain of Custody Record



4 F 2 7021

Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site			Matrix			No. of Containers	Preservative	Tests**							
Client: Town of Southborough																	
Report To: mflynn@parecorp.com																	
Invoice To: Accounting																	
Date	Time	Comp	Grab	Sample I.D.	Aqueous	Soil	Other	Lead									
6/27/24	10:00		✓	150.0 C		✓		1	✓								
6/27/24	10:00		✓	150.0 D		✓		1	✓								
6/27/24	10:00		✓	150.0 E*		✓		1	✓								
6/27/24	9:00		✓	120.90 E*		✓		1	✓								
6/27/24	11:35		✓	0.0 A		✓		1	✓								
6/27/24	11:35		✓	0.0 B		✓		1	✓								
6/27/24	11:35		✓	0.0 C*		✓		1	✓								
6/27/24	11:35		✓	0.0 BB		✓		1	✓								
6/27/24	11:40		✓	0.30 A		✓		1	✓								
6/27/24	11:40		✓	0.30 B		✓		1	✓								
6/27/24	11:40		✓	0.30 C*		✓		1	✓								
6/27/24	11:45		✓	0.60 A		✓		1	✓								
6/27/24	11:45		✓	0.60 B		✓		1	✓								
6/27/24	11:45		✓	0.60 C*		✓		1	✓								
Sampled By: <i>[Signature]</i>		Date/Time 6/26/24 1535	Received By: <i>[Signature]</i>		Date/Time 6/26/24 1535	Laboratory Remarks:			Special Instructions: *: Hold all "*" samples								
Relinquished By: <i>[Signature]</i>		Date/Time 6/27/24 856	Received By: <i>[Signature]</i>		Date/Time 6/27/24 0856	Temp. Received: 4											

**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

Turnaround Time [Business Days]: 5 Days

[Signature] 6/27/24
0945

[Signature] 6/27/24
945

✓ *[Signature]*

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 08176.30

Project Location: Southborough, MA

RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
4F27021

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 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 actions 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
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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.

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

¹All 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: Mike McCallum

Date: 7/29/2024



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F27013

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 17-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/27/24. 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 4F27013. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F27013-01	150.10 A	Soil	06/26/2024	06/27/2024
4F27013-02	150.10 B	Soil	06/26/2024	06/27/2024
4F27013-03	150.10 C	Soil	06/26/2024	06/27/2024
4F27013-04	150.10 D	Soil	06/26/2024	06/27/2024
4F27013-06	150.10 AA	Soil	06/26/2024	06/27/2024
4F27013-07	140.10 A	Soil	06/26/2024	06/27/2024
4F27013-08	140.10 B	Soil	06/26/2024	06/27/2024
4F27013-09	140.10 C	Soil	06/26/2024	06/27/2024
4F27013-10	140.10 D	Soil	06/26/2024	06/27/2024
4F27013-12	130.10 A	Soil	06/26/2024	06/27/2024
4F27013-13	130.10 B	Soil	06/26/2024	06/27/2024
4F27013-14	130.10 C	Soil	06/26/2024	06/27/2024

Request for Analysis

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

130.10 A (Lab Number: 4F27013-12)

Lead

Method

EPA 6010C

130.10 B (Lab Number: 4F27013-13)

Lead

Method

EPA 6010C

130.10 C (Lab Number: 4F27013-14)

Lead

Method

EPA 6010C

140.10 A (Lab Number: 4F27013-07)

Lead

Method

EPA 6010C

140.10 B (Lab Number: 4F27013-08)

Lead

Method

EPA 6010C

140.10 C (Lab Number: 4F27013-09)

Lead

Method

EPA 6010C

140.10 D (Lab Number: 4F27013-10)

Lead

Method

EPA 6010C

150.10 A (Lab Number: 4F27013-01)

Lead

Method

EPA 6010C

150.10 AA (Lab Number: 4F27013-06)

Lead

Method

EPA 6010C

150.10 B (Lab Number: 4F27013-02)

Lead

Method

EPA 6010C

150.10 C (Lab Number: 4F27013-03)

Lead

Method

EPA 6010C

150.10 D (Lab Number: 4F27013-04)

Lead

Method

EPA 6010C

Method References

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

DRAFT

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: 150.10 A
Lab Number: 4F27013-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	58.3		0.69	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 150.10 B
Lab Number: 4F27013-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	12.1		0.66	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 150.10 C
Lab Number: 4F27013-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	5.87		0.67	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 150.10 D
Lab Number: 4F27013-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	3.33		0.63	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 150.10 AA
Lab Number: 4F27013-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	23.6		0.68	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 140.10 A
Lab Number: 4F27013-07 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	61.4		0.71	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 140.10 B
Lab Number: 4F27013-08 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	10.5		0.66	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 140.10 C
Lab Number: 4F27013-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.92		0.63	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 140.10 D
Lab Number: 4F27013-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.26		0.65	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 130.10 A
Lab Number: 4F27013-12 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.79		0.72	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 130.10 B
Lab Number: 4F27013-13 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	226		0.70	mg/kg	07/01/24	07/16/24

Results: Total Metals

Sample: 130.10 C
Lab Number: 4F27013-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	30.7		0.70	mg/kg	07/01/24	07/16/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4G0027 - Metals Digestion Soils										
Blank (B4G0027-BLK1)										
Lead	ND		0.50	mg/kg						Prepared: 07/01/24 Analyzed: 07/16/24
LCS (B4G0027-BS1)										
Lead	96.3		0.50	mg/kg	100		96.3	85-115		

Notes and Definitions

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

DRAFT

59 Greenhill Street
West Warwick, RI 02893

Chain of Custody Record



4 F 2 7013 P

Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site			Matrix			No. of Containers	Preservative	Tests**						
Client: Town of Southborough										Aqueous	Soil	Other	Lead			
Report To: mflynn@parecorp.com																
Invoice To: Accounting																
Date	Time	Comp	Grab	Sample I.D.												
8/26/20	7:45		✓	150,10 A		✓		1		✓						
8/26/20	7:45		✓	150,10 B		✓		1		✓						
8/26/20	7:45		✓	150,10 C		✓		1		✓						
8/26/20	7:45		✓	150,10 D		✓		1		✓						
8/26/20	7:45		✓	150,10 EX		✓		1		✓						
8/26/20	7:45		✓	150,10 AA		✓		1		✓						
8/26/20	7:50		✓	140,10 A		✓		1		✓						
8/26/20	7:50		✓	140,10 B		✓		1		✓						
8/26/20	7:50		✓	140,10 C		✓		1		✓						
8/26/20	7:50		✓	140,10 D		✓		1		✓						
8/26/20	7:50		✓	140,10 EX		✓		1		✓						
8/26/20	7:55		✓	130,10 A		✓		1		✓						
8/26/20	7:55		✓	130,10 B		✓		1		✓						
8/26/20	7:55		✓	130,10 C		✓		1		✓						
Sampled By: Jesse Hunter		Date/Time 6/26/24 1535	Received By: Amy V. [Signature]		Date/Time 6/26/24 1535	Laboratory Remarks:			Special Instructions: *: Hold all "*" samples							
Relinquished By: Amy [Signature]		Date/Time 6/27/24 0856	Received By: Joey Salasman		Date/Time 6/27/24 0856	Temp. Received: 6										

**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

Turnaround Time [Business Days]: 5 Days

Jwoy Allhusen 6/27/24
 0945

Business Days: ✓ 2



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F26037

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 17-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/26/24. 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 4F26037. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F26037-01	150.30 C	Soil	06/25/2024	06/26/2024
4F26037-02	150.30 D	Soil	06/25/2024	06/26/2024
4F26037-04	150.20 A	Soil	06/25/2024	06/26/2024
4F26037-05	150.20 B	Soil	06/25/2024	06/26/2024
4F26037-06	150.20 C	Soil	06/25/2024	06/26/2024
4F26037-07	150.20 D	Soil	06/25/2024	06/26/2024
4F26037-09	140.20 A	Soil	06/25/2024	06/26/2024
4F26037-10	140.20 B	Soil	06/25/2024	06/26/2024
4F26037-11	140.20 C	Soil	06/25/2024	06/26/2024
4F26037-12	140.20 D	Soil	06/25/2024	06/26/2024
4F26037-14	130.20 A	Soil	06/25/2024	06/26/2024

Request for Analysis

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

130.20 A (Lab Number: 4F26037-14)

Lead

Method

EPA 6010C

140.20 A (Lab Number: 4F26037-09)

Lead

Method

EPA 6010C

140.20 B (Lab Number: 4F26037-10)

Lead

Method

EPA 6010C

140.20 C (Lab Number: 4F26037-11)

Lead

Method

EPA 6010C

140.20 D (Lab Number: 4F26037-12)

Lead

Method

EPA 6010C

150.20 A (Lab Number: 4F26037-04)

Lead

Method

EPA 6010C

150.20 B (Lab Number: 4F26037-05)

Lead

Method

EPA 6010C

150.20 C (Lab Number: 4F26037-06)

Lead

Method

EPA 6010C

150.20 D (Lab Number: 4F26037-07)

Lead

Method

EPA 6010C

150.30 C (Lab Number: 4F26037-01)

Lead

Method

EPA 6010C

150.30 D (Lab Number: 4F26037-02)

Lead

Method

EPA 6010C

Method References

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

DRAFT

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: 150.30 C
Lab Number: 4F26037-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	3.67		0.58	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 150.30 D
Lab Number: 4F26037-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.71		0.56	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 150.20 A
Lab Number: 4F26037-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	32.6		0.69	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 150.20 B
Lab Number: 4F26037-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	6.50		0.65	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 150.20 C
Lab Number: 4F26037-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.89		0.58	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 150.20 D
Lab Number: 4F26037-07 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.88		0.57	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 140.20 A
Lab Number: 4F26037-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	44.0		0.66	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 140.20 B
Lab Number: 4F26037-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	12.6		0.65	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 140.20 C
Lab Number: 4F26037-11 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	6.02		0.65	mg/kg	06/28/24	07/13/24

Results: Total Metals

Sample: 140.20 D
Lab Number: 4F26037-12 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.47		0.60	mg/kg	06/28/24	07/13/24

DRAFT

Results: Total Metals

Sample: 130.20 A
Lab Number: 4F26037-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	132		0.66	mg/kg	06/28/24	07/13/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4F1177 - Metals Digestion Soils										
Blank (B4F1177-BLK1)					Prepared: 06/28/24 Analyzed: 07/02/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1177-BLK2)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1177-BLK3)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1177-BLK4)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1177-BLK5)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	ND		0.50	mg/kg						
LCS (B4F1177-BS1)					Prepared: 06/28/24 Analyzed: 07/02/24					
Lead	98.4		0.50	mg/kg	100		98.4	85-115		
LCS (B4F1177-BS2)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	99.8		0.50	mg/kg	100		99.8	85-115		
LCS (B4F1177-BS3)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	99.8		0.50	mg/kg	100		99.8	85-115		
LCS (B4F1177-BS4)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	107		0.50	mg/kg	100		107	85-115		
LCS (B4F1177-BS5)					Prepared: 06/28/24 Analyzed: 07/13/24					
Lead	105		0.50	mg/kg	100		105	85-115		

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522

Chain of Custody Record



4 F 2 6037 G

Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site				Matrix			No. of Containers	Preservative	Tests**					
Client: Town of Southborough											<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Lead</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Cadmium</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chromium</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Copper</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Iron</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Manganese</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Mercury</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Nickel</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Silver</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Vanadium</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Zinc</div> </div>					
Report To: mflynn@parecorp.com																
Invoice To: Accounting																
Date	Time	Comp	Grab	Sample I.D.	Aqueous	Soil	Other									
6/25	12:20		✓	130,30 C		✓		1								
6/25	12:20		✓	150,30 D		✓		1								
6/25	12:26		✓	150,30 E*		✓		1								
6/25	12:25		✓	150,20 A		✓		1								
6/25	12:25		✓	150,20 B		✓		1								
6/25	12:25		✓	150,20 C		✓		1								
6/25	12:25		✓	150,20 D		✓		1								
6/25	12:25		✓	150,20 E*		✓		1								
6/25	12:30		✓	140,20 A		✓		1								
6/25	12:30		✓	140,20 B		✓		1								
6/25	12:30		✓	140,20 C		✓		1								
6/25	12:30		✓	140,20 D		✓		1								
6/25	12:30		✓	140,20 E*		✓		1								
6/25	13:20		✓	130,20 4		✓		1								
Sampled By: <i>Jelly</i>		Date/Time 1545	Received By:		Date/Time	Laboratory Remarks:				Special Instructions: *: Hold all "*" samples						
Relinquished By: <i>Kat</i>		Date/Time 6/26 1000	Received By:		Date/Time 6/26 1005	Temp. Received: 5										
**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates																
Turnaround Time [Business Days]: 5 Days																

gr 6/26 1046 87 6/26 1010



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F26025

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 17-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/26/24. 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 4F26025. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F26025-01	150.40 D	Soil	06/25/2024	06/26/2024
4F26025-03	140.40 A	Soil	06/25/2024	06/26/2024
4F26025-04	140.40 B	Soil	06/25/2024	06/26/2024
4F26025-05	140.40 C	Soil	06/25/2024	06/26/2024
4F26025-06	140.40 D	Soil	06/25/2024	06/26/2024
4F26025-08	130.40 A	Soil	06/25/2024	06/26/2024
4F26025-09	130.40 B	Soil	06/25/2024	06/26/2024
4F26025-10	130.40 C	Soil	06/25/2024	06/26/2024
4F26025-11	130.40 D	Soil	06/25/2024	06/26/2024
4F26025-13	120.40 A	Soil	06/25/2024	06/26/2024
4F26025-14	120.40 B	Soil	06/25/2024	06/26/2024

Request for Analysis

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

120.40 A (Lab Number: 4F26025-13)

Lead

Method

EPA 6010C

120.40 B (Lab Number: 4F26025-14)

Lead

Method

EPA 6010C

130.40 A (Lab Number: 4F26025-08)

Lead

Method

EPA 6010C

130.40 B (Lab Number: 4F26025-09)

Lead

Method

EPA 6010C

130.40 C (Lab Number: 4F26025-10)

Lead

Method

EPA 6010C

130.40 D (Lab Number: 4F26025-11)

Lead

Method

EPA 6010C

140.40 A (Lab Number: 4F26025-03)

Lead

Method

EPA 6010C

140.40 B (Lab Number: 4F26025-04)

Lead

Method

EPA 6010C

140.40 C (Lab Number: 4F26025-05)

Lead

Method

EPA 6010C

140.40 D (Lab Number: 4F26025-06)

Lead

Method

EPA 6010C

150.40 D (Lab Number: 4F26025-01)

Lead

Method

EPA 6010C

Method References

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

DRAFT

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: 150.40 D
Lab Number: 4F26025-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.45		0.57	mg/kg	06/27/24	07/12/24

Results: Total Metals

Sample: 140.40 A
Lab Number: 4F26025-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	36.0		0.69	mg/kg	06/27/24	07/12/24

Results: Total Metals

Sample: 140.40 B
Lab Number: 4F26025-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	3.94		0.69	mg/kg	06/27/24	07/12/24

Results: Total Metals

Sample: 140.40 C
Lab Number: 4F26025-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.60		0.63	mg/kg	06/27/24	07/12/24

Results: Total Metals

Sample: 140.40 D
Lab Number: 4F26025-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.03		0.57	mg/kg	06/27/24	07/12/24

Results: Total Metals

Sample: 130.40 A
Lab Number: 4F26025-08 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	292		0.65	mg/kg	06/27/24	07/12/24

Results: Total Metals

Sample: 130.40 B
Lab Number: 4F26025-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	13.6		0.62	mg/kg	06/27/24	07/12/24

Results: Total Metals

Sample: 130.40 C
Lab Number: 4F26025-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	9.45		0.65	mg/kg	06/27/24	07/12/24

Results: Total Metals

Sample: 130.40 D
Lab Number: 4F26025-11 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.50		0.54	mg/kg	06/27/24	07/12/24

Results: Total Metals

Sample: 120.40 A
Lab Number: 4F26025-13 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	33600		0.58	mg/kg	06/27/24	07/12/24

DRAFT

Results: Total Metals

Sample: 120.40 B
Lab Number: 4F26025-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	36.4		0.67	mg/kg	06/27/24	07/12/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4F1118 - Metals Digestion Soils										
Blank (B4F1118-BLK1)					Prepared: 06/27/24 Analyzed: 07/02/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1118-BLK2)					Prepared: 06/27/24 Analyzed: 07/05/24					
Lead	ND		0.50	mg/kg						
Blank (B4F1118-BLK3)					Prepared: 06/27/24 Analyzed: 07/05/24					
Lead	ND		0.50	mg/kg						
LCS (B4F1118-BS1)					Prepared: 06/27/24 Analyzed: 07/02/24					
Lead	98.4		0.50	mg/kg	100		98.4	85-115		
LCS (B4F1118-BS2)					Prepared: 06/27/24 Analyzed: 07/05/24					
Lead	92.6		0.50	mg/kg	100		92.6	85-115		
LCS (B4F1118-BS3)					Prepared: 06/27/24 Analyzed: 07/05/24					
Lead	95.3		0.50	mg/kg	100		95.3	85-115		

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522

Chain of Custody Record



4 F 2 6025 f

Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site		Matrix		No. of Containers	Preservative	Tests**									
Client: Town of Southborough		Report To: mflynn@parecorp.com															
Invoice To: Accounting																	
Date	Time	Comp	Grab	Sample I.D.	Aqueous	Soil	Other										
6/25	9:45		✓	130,40 D		✓		1									
6/25	9:45		✓	150,40 E*		✓		1									
6/25	9:55		✓	140,40 A		✓		1									
6/25	9:55		✓	140,40 B		✓		1									
6/25	9:55		✓	146,40 C		✓		1									
6/25	9:55		✓	140,40 D		✓		1									
6/25	9:55		✓	140,40 E*		✓		1									
6/25	10:30		✓	130,40 A		✓		1									
6/25	10:30		✓	130,40 B		✓		1									
6/25	10:30		✓	130,40 C		✓		1									
6/25	10:30		✓	130,40 D		✓		1									
6/25	10:30		✓	130,40 E*		✓		1									
6/25	10:35		✓	120,40 A		✓		1									
6/25	10:35		✓	120,40 B		✓		1									
Sampled By: Jeffrey Hauser		Date/Time 6/25/1545	Received By:		Date/Time	Laboratory Remarks:		Special Instructions: *: Hold all "*" samples									
Relinquished By: Kali S		Date/Time 6/26/1000	Received By:		Date/Time 6/26/1000	Temp. Received: 6											
**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates													Turnaround Time [Business Days]: 5 Days				

Handwritten signatures and dates: 6/26/1545, 6/26/1000, 6/26/1000



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F25037

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 05-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/25/24. 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 4F25037. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F25037-01	150.60 A	Soil	06/24/2024	06/25/2024
4F25037-02	150.60 B	Soil	06/24/2024	06/25/2024
4F25037-03	150.60 C	Soil	06/24/2024	06/25/2024
4F25037-04	150.60 D	Soil	06/24/2024	06/25/2024
4F25037-06	140.60 A	Soil	06/24/2024	06/25/2024
4F25037-07	140.60 B	Soil	06/24/2024	06/25/2024
4F25037-08	140.60 C	Soil	06/24/2024	06/25/2024
4F25037-09	140.60 D	Soil	06/24/2024	06/25/2024
4F25037-11	90.80 DD	Soil	06/24/2024	06/25/2024
4F25037-12	140.90 CC	Soil	06/24/2024	06/25/2024
4F25037-13	60.70 BB	Soil	06/24/2024	06/25/2024

Request for Analysis

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

140.60 A (Lab Number: 4F25037-06)

Lead

Method

EPA 6010C

140.60 B (Lab Number: 4F25037-07)

Lead

Method

EPA 6010C

140.60 C (Lab Number: 4F25037-08)

Lead

Method

EPA 6010C

140.60 D (Lab Number: 4F25037-09)

Lead

Method

EPA 6010C

140.90 CC (Lab Number: 4F25037-12)

Lead

Method

EPA 6010C

150.60 A (Lab Number: 4F25037-01)

Lead

Method

EPA 6010C

150.60 B (Lab Number: 4F25037-02)

Lead

Method

EPA 6010C

150.60 C (Lab Number: 4F25037-03)

Lead

Method

EPA 6010C

150.60 D (Lab Number: 4F25037-04)

Lead

Method

EPA 6010C

60.70 BB (Lab Number: 4F25037-13)

Lead

Method

EPA 6010C

90.80 DD (Lab Number: 4F25037-11)

Lead

Method

EPA 6010C

Method References

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

DRAFT

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: 150.60 A
Lab Number: 4F25037-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	164		0.66	mg/kg	06/26/24	07/02/24

Results: Total Metals

Sample: 150.60 B
Lab Number: 4F25037-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	32.6		0.71	mg/kg	06/26/24	07/02/24

Results: Total Metals

Sample: 150.60 C
Lab Number: 4F25037-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.65	mg/kg	06/26/24	07/02/24

Results: Total Metals

Sample: 150.60 D
Lab Number: 4F25037-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.25		0.63	mg/kg	06/26/24	07/02/24

DRAFT

Results: Total Metals

Sample: 140.60 A
Lab Number: 4F25037-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	421		0.69	mg/kg	06/26/24	07/02/24

Results: Total Metals

Sample: 140.60 B
Lab Number: 4F25037-07 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	4.53		0.64	mg/kg	06/26/24	07/02/24

DRAFT

Results: Total Metals

Sample: 140.60 C
Lab Number: 4F25037-08 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.64	mg/kg	06/26/24	07/02/24

DRAFT

Results: Total Metals

Sample: 140.60 D
Lab Number: 4F25037-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.61	mg/kg	06/26/24	07/02/24

DRAFT

Results: Total Metals

Sample: 90.80 DD
Lab Number: 4F25037-11 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.64	mg/kg	06/26/24	07/02/24

DRAFT

Results: Total Metals

Sample: 140.90 CC
Lab Number: 4F25037-12 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.54		0.64	mg/kg	06/26/24	07/02/24

Results: Total Metals

Sample: 60.70 BB
Lab Number: 4F25037-13 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.59		0.58	mg/kg	06/26/24	07/02/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4F1076 - Metals Digestion Soils										
Blank (B4F1076-BLK1)										
Lead	ND		0.50	mg/kg						Prepared: 06/26/24 Analyzed: 06/27/24
LCS (B4F1076-BS1)										
Lead	105		0.50	mg/kg	100		105	85-115		Prepared: 06/26/24 Analyzed: 06/28/24

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522



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Chain of Custody Record

Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site		Matrix		No. of Containers	Preservative	Tests**										
Client: Town of Southborough		Report To: mflynn@parecorp.com						Aqueous	Soil	Other	Lead	TCLP - Lead						
Invoice To: Accounting																		
Date	Time	Comp	Grab	Sample I.D.														
6/24	13:55		✓	150,60 A		✓		1		✓	✓							
6/24	13:55		✓	150,60 B		✓		1		✓	✓							
6/24	13:55		✓	150,60 C		✓		1		✓	✓							
6/24	13:55		✓	150,60 D		✓		1		✓	✓							
6/24	13:55		✓	150,60 EX		✓		1		✓	✓							
6/24	14:00		✓	140,60 A		✓		1		✓	✓							
6/24	14:00		✓	140,60 B		✓		1		✓	✓							
6/24	14:00		✓	140,60 C		✓		1		✓	✓							
6/24	14:00		✓	140,60 D		✓		1		✓	✓							
6/24	14:00		✓	140,60 E		✓		1		✓	✓							
6/24	12:00		✓	90,80 DD		✓		1		✓	✓							
6/24	10:45		✓	140,90 CC		✓		1		✓	✓							
6/24	12:40		✓	60,70 BB		✓		1		✓	✓							
6/24			✓			✓		1		✓	✓							
Sampled By: Jeffrey Hauser		Date/Time 6/24/16	Received By: [Signature]		Date/Time 6/24/21	Laboratory Remarks:		Special Instructions:										
Relinquished By: [Signature]		Date/Time 6/25/24	Received By: [Signature]		Date/Time 6/25/24	Temp. Received: 10												

**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

Turnaround Time [Business Days]: 5 Days

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 08176.30

Project Location: Southborough, MA

RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
4F25037

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 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 actions 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
----------	---	--

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.

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

¹All 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: Mike McCallum

Date: 7/5/2024



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F25030

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 05-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/25/24. 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 4F25030. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F25030-01	150.80 C	Soil	06/24/2024	06/25/2024
4F25030-02	150.80 D	Soil	06/24/2024	06/25/2024
4F25030-04	60.70 A	Soil	06/24/2024	06/25/2024
4F25030-05	60.70 B	Soil	06/24/2024	06/25/2024
4F25030-06	60.70 C	Soil	06/24/2024	06/25/2024
4F25030-07	60.70 D	Soil	06/24/2024	06/25/2024
4F25030-09	70.70 A	Soil	06/24/2024	06/25/2024
4F25030-10	70.70 B	Soil	06/24/2024	06/25/2024
4F25030-11	70.70 C	Soil	06/24/2024	06/25/2024
4F25030-12	70.70 D	Soil	06/24/2024	06/25/2024
4F25030-14	150.80 BB	Soil	06/24/2024	06/25/2024

Request for Analysis

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

150.80 BB (Lab Number: 4F25030-14)

Lead

Method

EPA 6010C

150.80 C (Lab Number: 4F25030-01)

Lead

Method

EPA 6010C

150.80 D (Lab Number: 4F25030-02)

Lead

Method

EPA 6010C

60.70 A (Lab Number: 4F25030-04)

Lead

Method

EPA 6010C

60.70 B (Lab Number: 4F25030-05)

Lead

Method

EPA 6010C

60.70 C (Lab Number: 4F25030-06)

Lead

Method

EPA 6010C

60.70 D (Lab Number: 4F25030-07)

Lead

Method

EPA 6010C

70.70 A (Lab Number: 4F25030-09)

Lead

Method

EPA 6010C

70.70 B (Lab Number: 4F25030-10)

Lead

Method

EPA 6010C

70.70 C (Lab Number: 4F25030-11)

Lead

Method

EPA 6010C

70.70 D (Lab Number: 4F25030-12)

Lead

Method

EPA 6010C

Method References

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

DRAFT

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: 150.80 C
Lab Number: 4F25030-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.02		0.54	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 150.80 D
Lab Number: 4F25030-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.68	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 60.70 A
Lab Number: 4F25030-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	530		0.63	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 60.70 B
Lab Number: 4F25030-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.35		0.56	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 60.70 C
Lab Number: 4F25030-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.64	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 60.70 D
Lab Number: 4F25030-07 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.36		0.61	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 70.70 A
Lab Number: 4F25030-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	359		0.59	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 70.70 B
Lab Number: 4F25030-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.68		0.69	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 70.70 C
Lab Number: 4F25030-11 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.62	mg/kg	06/26/24	07/01/24

DRAFT

Results: Total Metals

Sample: 70.70 D
Lab Number: 4F25030-12 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.70		0.60	mg/kg	06/26/24	07/01/24

Results: Total Metals

Sample: 150.80 BB
Lab Number: 4F25030-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	144		0.65	mg/kg	06/26/24	07/01/24

DRAFT

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4F1076 - Metals Digestion Soils										
Blank (B4F1076-BLK1)										
Lead	ND		0.50	mg/kg						Prepared: 06/26/24 Analyzed: 06/27/24
LCS (B4F1076-BS1)										
Lead	105		0.50	mg/kg	100		105	85-115		Prepared: 06/26/24 Analyzed: 06/28/24

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522



4 F 2 5030 R

Chain of Custody Record

Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site				Matrix			No. of Containers	Preservative	Tests**							
Client: Town of Southborough																		
Report To: mflynn@parecorp.com																		
Invoice To: Accounting																		
Date	Time	Comp	Grab	Sample I.D.	Aqueous	Soil	Other	Lead	TCLP - Lead									
6/24	11:00		✓	150,80 C		✓		1	✓	✓								
6/24	11:00		✓	150,80 D		✓		1	✓	✓								
6/24	11:00		✓	150,80 E *		✓		1	✓	✓								
6/24	12:40		✓	60,70 A		✓		1	✓	✓								
6/24	12:40		✓	60,70 B		✓		1	✓	✓								
6/24	12:40		✓	60,70 C		✓		1	✓	✓								
6/24	12:40		✓	60,70 D		✓		1	✓	✓								
6/24	12:40		✓	60,70 E *		✓		1	✓	✓								
6/24	12:55		✓	70,70 A		✓		1	✓	✓								
6/24	12:55		✓	70,70 B		✓		1	✓	✓								
6/24	12:55		✓	70,70 C		✓		1	✓	✓								
6/24	12:55		✓	70,70 D		✓		1	✓	✓								
6/24	12:55		✓	70,70 E *		✓		1	✓	✓								
6/24	11:00		✓	150,80 BB		✓		1	✓	✓								
Sampled By: Jeffrey Hauser		Date/Time 6/24 1613	Received By: [Signature]		Date/Time 6/24/24 1613	Laboratory Remarks:				Special Instructions: *: Hold and "*" samples								
Relinquished By: [Signature]		Date/Time 6/25/24 0931 1540	Received By: [Signature]		Date/Time 6/25/24 931	Temp. Received: 60												
**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates											Turnaround Time [Business Days] 5 Days							

Mr. G. H. [Signature]

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 08176.30

Project Location: Southborough, MA

RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
4F25030

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 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 actions 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
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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.

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

¹All 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: Mike McCallum

Date: 7/5/2024



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F27036

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 29-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/27/24. 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 4F27036. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F27036-02	150.-10 A	Soil	06/26/2024	06/27/2024
4F27036-03	150.-10 B	Soil	06/26/2024	06/27/2024
4F27036-05	150.-20 A	Soil	06/26/2024	06/27/2024
4F27036-06	150.-20 B	Soil	06/26/2024	06/27/2024

Request for Analysis

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

150.-10 A (Lab Number: 4F27036-02)

Lead

Method

EPA 6010C

150.-10 B (Lab Number: 4F27036-03)

Lead

Method

EPA 6010C

150.-20 A (Lab Number: 4F27036-05)

Lead

Method

EPA 6010C

150.-20 B (Lab Number: 4F27036-06)

Lead

Method

EPA 6010C

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: 150.-10 A
Lab Number: 4F27036-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	70.0		0.97	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 150.-10 B
Lab Number: 4F27036-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	15.7		0.72	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 150.-20 A
Lab Number: 4F27036-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	17.0		0.60	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 150.-20 B
Lab Number: 4F27036-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	7.61		0.70	mg/kg	07/03/24	07/27/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4G0176 - Metals Digestion Soils										
Blank (B4G0176-BLK1)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	ND		0.50	mg/kg						
Blank (B4G0176-BLK2)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	ND		0.50	mg/kg						
Blank (B4G0176-BLK3)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	ND		0.50	mg/kg						
Blank (B4G0176-BLK4)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	ND		0.50	mg/kg						
LCS (B4G0176-BS1)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	108		0.50	mg/kg	100		108	85-115		
LCS (B4G0176-BS2)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	106		0.50	mg/kg	100		106	85-115		
LCS (B4G0176-BS3)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	108		0.50	mg/kg	100		108	85-115		
LCS (B4G0176-BS4)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	110		0.50	mg/kg	100		110	85-115		

Notes and Definitions

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

DRAFT

59 Greenhill Street
West Warwick, RI 02893

Chain of Custody Record



Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site		Matrix		No. of Containers	Preservative	Tests**							
Client: Town of Southborough								Aqueous	Soil	Other	Lead				
Report To: mflynn@parecorp.com															
Invoice To: Accounting															
Date	Time	Comp	Grab	Sample I.D.											
6/26/24	11:05		✓	120,-20 C*	✓			1		✓					
	11:10		✓	150,-10 A	✓			1		✓					
	11:10		✓	150,-10 B	✓			1		✓					
	11:10		✓	150,-10 C*	✓			1		✓					
	11:15		✓	150,-20 A	✓			1		✓					
	11:15		✓	150,-20 B	✓			1		✓					
	11:15		✓	150,-20 C*	✓			1		✓					
			✓		✓			1		✓					
			✓		✓			1		✓					
			✓		✓			1		✓					
			✓		✓			1		✓					
			✓		✓			1		✓					
			✓		✓			1		✓					
			✓		✓			1		✓					
Sampled By: Jelena Harris		Date/Time 6/26/24 1500	Received By:		Date/Time 6/26/24 1500	Laboratory Remarks:		Special Instructions: *: Hold all "*" samples							
Relinquished By: twh		Date/Time 6/27/24 0856	Received By: Theresa Williams		Date/Time 6/27/24 0856	Temp. Received: 3									
**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates								Turnaround Time [Business Days] 5 Days							

Jacey Sullivan 6/27/24
0945

Self 6/27/24
945

Days] 5 Days

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 08176.30

Project Location: Southborough, MA

RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
4F27036

 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 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 actions 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
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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.

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

¹All 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: Mike McCallum

 Position: Laboratory Director

 Printed Name: Mike McCallum

 Date: 7/29/2024



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F27074

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 29-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/27/24. 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 4F27074. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F27074-01	180.180 A	Soil	06/27/2024	06/27/2024
4F27074-02	180.180 B	Soil	06/27/2024	06/27/2024
4F27074-04	180.180 BB	Soil	06/27/2024	06/27/2024
4F27074-05	180.150 A	Soil	06/27/2024	06/27/2024
4F27074-06	180.150 B	Soil	06/27/2024	06/27/2024
4F27074-08	180.120 A	Soil	06/27/2024	06/27/2024
4F27074-09	180.120 B	Soil	06/27/2024	06/27/2024
4F27074-11	150.120 A	Soil	06/27/2024	06/27/2024
4F27074-12	150.120 B	Soil	06/27/2024	06/27/2024
4F27074-14	120.120 A	Soil	06/27/2024	06/27/2024

Request for Analysis

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

120.120 A (Lab Number: 4F27074-14)

Lead

Method

EPA 6010C

150.120 A (Lab Number: 4F27074-11)

Lead

Method

EPA 6010C

150.120 B (Lab Number: 4F27074-12)

Lead

Method

EPA 6010C

180.120 A (Lab Number: 4F27074-08)

Lead

Method

EPA 6010C

180.120 B (Lab Number: 4F27074-09)

Lead

Method

EPA 6010C

180.150 A (Lab Number: 4F27074-05)

Lead

Method

EPA 6010C

180.150 B (Lab Number: 4F27074-06)

Lead

Method

EPA 6010C

180.180 A (Lab Number: 4F27074-01)

Lead

Method

EPA 6010C

180.180 B (Lab Number: 4F27074-02)

Lead

Method

EPA 6010C

180.180 BB (Lab Number: 4F27074-04)

Lead

Method

EPA 6010C

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: 180.180 A
Lab Number: 4F27074-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	43.9		0.87	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 180.180 B
Lab Number: 4F27074-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	9.09		0.77	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 180.180 BB
Lab Number: 4F27074-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	6.47		0.83	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 180.150 A
Lab Number: 4F27074-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	8.56		0.73	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 180.150 B
Lab Number: 4F27074-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.66		0.62	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 180.120 A
Lab Number: 4F27074-08 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	33.7		0.83	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 180.120 B
Lab Number: 4F27074-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	7.08		0.79	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 150.120 A
Lab Number: 4F27074-11 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	56.8		0.63	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 150.120 B
Lab Number: 4F27074-12 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	4.59		0.62	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 120.120 A
Lab Number: 4F27074-14 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	40.0		0.63	mg/kg	07/03/24	07/27/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4G0176 - Metals Digestion Soils										
Blank (B4G0176-BLK1)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	ND		0.50	mg/kg						
Blank (B4G0176-BLK2)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	ND		0.50	mg/kg						
Blank (B4G0176-BLK3)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	ND		0.50	mg/kg						
Blank (B4G0176-BLK4)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	ND		0.50	mg/kg						
LCS (B4G0176-BS1)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	108		0.50	mg/kg	100		108	85-115		
LCS (B4G0176-BS2)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	106		0.50	mg/kg	100		106	85-115		
LCS (B4G0176-BS3)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	108		0.50	mg/kg	100		108	85-115		
LCS (B4G0176-BS4)					Prepared: 07/03/24 Analyzed: 07/27/24					
Lead	110		0.50	mg/kg	100		110	85-115		

Notes and Definitions

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

DRAFT

59 Greenhill Street
West Warwick, RI 02893

Chain of Custody Record



Days] 5 Days

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 08176.30

Project Location: Southborough, MA

RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
4F27074

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 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 actions 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
----------	---	--

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.

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

¹All 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: Mike McCallum

Date: 7/29/2024



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4F27030

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 29-July-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 06/27/24. 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 4F27030. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4F27030-01	210.120 B	Soil	06/26/2024	06/27/2024
4F27030-03	180.90 A	Soil	06/26/2024	06/27/2024
4F27030-04	180.90 B	Soil	06/26/2024	06/27/2024
4F27030-06	180.60 A	Soil	06/26/2024	06/27/2024
4F27030-07	180.60 B	Soil	06/26/2024	06/27/2024
4F27030-09	180.30 A	Soil	06/26/2024	06/27/2024
4F27030-10	180.30 B	Soil	06/26/2024	06/27/2024
4F27030-12	180.0 A	Soil	06/26/2024	06/27/2024
4F27030-13	180.0 B	Soil	06/26/2024	06/27/2024

Request for Analysis

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

180.0 A (Lab Number: 4F27030-12)

Lead

Method

EPA 6010C

180.0 B (Lab Number: 4F27030-13)

Lead

Method

EPA 6010C

180.30 A (Lab Number: 4F27030-09)

Lead

Method

EPA 6010C

180.30 B (Lab Number: 4F27030-10)

Lead

Method

EPA 6010C

180.60 A (Lab Number: 4F27030-06)

Lead

Method

EPA 6010C

180.60 B (Lab Number: 4F27030-07)

Lead

Method

EPA 6010C

180.90 A (Lab Number: 4F27030-03)

Lead

Method

EPA 6010C

180.90 B (Lab Number: 4F27030-04)

Lead

Method

EPA 6010C

210.120 B (Lab Number: 4F27030-01)

Lead

Method

EPA 6010C

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: 210.120 B
Lab Number: 4F27030-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	6.66		0.59	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 180.90 A
Lab Number: 4F27030-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	17.5		0.65	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 180.90 B
Lab Number: 4F27030-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	4.08		0.58	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 180.60 A
Lab Number: 4F27030-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	29.9		0.67	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 180.60 B
Lab Number: 4F27030-07 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	3.21		0.62	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 180.30 A
Lab Number: 4F27030-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	31.3		0.70	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 180.30 B
Lab Number: 4F27030-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	4.59		0.70	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 180.0 A
Lab Number: 4F27030-12 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	18.3		0.65	mg/kg	07/03/24	07/27/24

Results: Total Metals

Sample: 180.0 B
Lab Number: 4F27030-13 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	6.66		0.63	mg/kg	07/03/24	07/27/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4G0176 - Metals Digestion Soils										
Blank (B4G0176-BLK1)										
Lead	ND		0.50	mg/kg						Prepared: 07/03/24 Analyzed: 07/27/24
Blank (B4G0176-BLK2)										
Lead	ND		0.50	mg/kg						Prepared: 07/03/24 Analyzed: 07/27/24
LCS (B4G0176-BS1)										
Lead	108		0.50	mg/kg	100		108	85-115		Prepared: 07/03/24 Analyzed: 07/27/24
LCS (B4G0176-BS2)										
Lead	106		0.50	mg/kg	100		106	85-115		Prepared: 07/03/24 Analyzed: 07/27/24

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522

Chain of Custody Record



4 F 2 7030 0

Project No. 08176.30		Project Name/Location: Southborough - Atwood Tank Site			Matrix			No. of Containers	Preservative	Tests**							
Client: Town of Southborough																	
Report To: mflynn@parecorp.com																	
Invoice To: Accounting																	
Date	Time	Comp	Grab	Sample I.D.	Aqueous	Soil	Other	Lead									
6/27/24	14:20		✓	210,120 B		✓		1	✓								
6/27/24	14:20		✓	210,120 C*		✓		1	✓								
6/27/24	14:30		✓	180,90 A		✓		1	✓								
6/27/24	14:30		✓	180,90 B		✓		1	✓								
6/27/24	14:30		✓	180,90 C*		✓		1	✓								
6/27/24	14:35		✓	180,60 A		✓		1	✓								
6/27/24	14:35		✓	180,60 B		✓		1	✓								
6/27/24	14:35		✓	180,60 C*		✓		1	✓								
6/27/24	14:40		✓	180,30 A		✓		1	✓								
6/27/24	14:40		✓	180,30 B		✓		1	✓								
6/27/24	14:40		✓	180,30 C*		✓		1	✓								
6/27/24	14:45		✓	180,0 A		✓		1	✓								
6/27/24	14:45		✓	180,0 B		✓		1	✓								
6/27/24	14:45		✓	180,0 C*		✓		1	✓								
Sampled By: <i>Tilly H</i>		Date/Time 6/27/24 1535	Received By: <i>Andrew</i>		Date/Time 6/27/24 1535	Laboratory Remarks:			Special Instructions: *: Hold all "*" samples								
Relinquished By: <i>Andrew</i>		Date/Time 6/27/24 856	Received By: <i>Jessy Lallhuan</i>		Date/Time 6/27/24 0856	Temp. Received: 3											

**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

Turnaround Time [Business Days]: 5 Days

Jessy Lallhuan 6/27/24
0945

Sam 6/27/24
945

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 08176.30

Project Location: Southborough, MA

RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
4F27030

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 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 actions 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
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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.

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

¹All 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: Mike McCallum

Date: 7/29/2024

ATTACHMENT 4
NETLAB ANALYTICAL REPORTS –
TCLP LEAD SOIL SAMPLES



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4H15037

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 22-August-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 08/15/24. 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 4H15037. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4H15037-01	80.50 B 4F26021-13	Soil	08/14/2024	08/15/2024

Request for Analysis

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

80.50 B 4F26021-13 (Lab Number: 4H15037-01)

	<u>Method</u>
TCLP Lead	EPA 6010C

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: TCLP Metals

Sample: 80.50 B 4F26021-13
Lab Number: 4H15037-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	68.1		0.025	mg/L	08/19/24	08/20/24

Quality Control

TCLP Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4H0705 - Metals Digestion Waters										
LCS (B4H0705-BS1)					Prepared & Analyzed: 08/19/24					
Lead	1.11		0.005	mg/L	1.00		111	85-115		
Leach Fluid Blank (B4H0705-LBK1)					Prepared & Analyzed: 08/19/24					
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.

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522



Chain of Custody Record

Project No. 08176.31		Project Name/Location: Southborough - Atwood Tank Site				Matrix		No. of Containers	Preservative	Tests**								
Client: Town of Southborough										Aqueous	Soil	Other	TCLP - Lead					
Report To: mflynn@parecorp.com																		
Invoice To: Accounting						Date	Time	Comp	Grab	Sample I.D.								
			✓		80,50B 4F26021-13						✓							
Sampled By: Jeffrey Hauser		Date/Time 8/15/24 1115		Received By:		Date/Time		Laboratory Remarks:		Special Instructions: Original dates and times are listed on original chain of custody								
Relinquished By:		Date/Time		Received By:		Date/Time		Temp. Received:										
**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates										Turnaround Time [Business Days]: 5 Days								

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 08176.31

Project Location: Southborough, MA

RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
4H15037

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 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 actions 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
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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.

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

¹All 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: Mike McCallum

Date: 8/22/2024



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4H06067

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 14-August-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 08/06/24. 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 4H06067. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4H06067-01	70.50 A 4F26021-07	Soil	08/05/2024	08/06/2024
4H06067-02	80.50 A 4F26021-12	Soil	08/05/2024	08/06/2024
4H06067-03	90.40 C 4F26028-02	Soil	08/05/2024	08/06/2024
4H06067-04	100.40 C 4F26026-11	Soil	08/05/2024	08/06/2024
4H06067-05	100.50 C 4F26022-11	Soil	08/05/2024	08/06/2024
4H06067-06	100.50 D 4F26022-12	Soil	08/05/2024	08/06/2024
4H06067-07	120.20 B 4F26039-07	Soil	08/05/2024	08/06/2024
4H06067-08	120.30 C 4F26033-13	Soil	08/05/2024	08/06/2024
4H06067-09	120.40 A 4F26025-13	Soil	08/05/2024	08/06/2024
4H06067-10	120.60 C 4F26016-09	Soil	08/05/2024	08/06/2024
4H06067-11	140.70 B 4F25035-06	Soil	08/05/2024	08/06/2024
4H06067-12	140.90 B 4F25020-13	Soil	08/05/2024	08/06/2024
4H06067-13	150.90 A 4F25021-03	Soil	08/05/2024	08/06/2024

Request for Analysis

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

100.40 C 4F26026-11 (Lab Number: 4H06067-04)

TCLP Lead

Method

EPA 6010C

100.50 C 4F26022-11 (Lab Number: 4H06067-05)

TCLP Lead

Method

EPA 6010C

100.50 D 4F26022-12 (Lab Number: 4H06067-06)

TCLP Lead

Method

EPA 6010C

120.20 B 4F26039-07 (Lab Number: 4H06067-07)

TCLP Lead

Method

EPA 6010C

120.30 C 4F26033-13 (Lab Number: 4H06067-08)

TCLP Lead

Method

EPA 6010C

120.40 A 4F26025-13 (Lab Number: 4H06067-09)

TCLP Lead

Method

EPA 6010C

120.60 C 4F26016-09 (Lab Number: 4H06067-10)

TCLP Lead

Method

EPA 6010C

140.70 B 4F25035-06 (Lab Number: 4H06067-11)

TCLP Lead

Method

EPA 6010C

140.90 B 4F25020-13 (Lab Number: 4H06067-12)

TCLP Lead

Method

EPA 6010C

150.90 A 4F25021-03 (Lab Number: 4H06067-13)

TCLP Lead

Method

EPA 6010C

70.50 A 4F26021-07 (Lab Number: 4H06067-01)

TCLP Lead

Method

EPA 6010C

80.50 A 4F26021-12 (Lab Number: 4H06067-02)

TCLP Lead

Method

EPA 6010C

Request for Analysis (continued)

90.40 C 4F26028-02 (Lab Number: 4H06067-03)

TCLP Lead

Method

EPA 6010C

Method References

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

DRAFT

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: TCLP Metals

Sample: 70.50 A 4F26021-07
Lab Number: 4H06067-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	3.02		0.025	mg/L	08/08/24	08/14/24

Results: TCLP Metals

Sample: 80.50 A 4F26021-12
Lab Number: 4H06067-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	0.027		0.025	mg/L	08/08/24	08/14/24

Results: TCLP Metals

Sample: 90.40 C 4F26028-02
Lab Number: 4H06067-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	5.99		0.025	mg/L	08/08/24	08/14/24

Results: TCLP Metals

Sample: 100.40 C 4F26026-11
Lab Number: 4H06067-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	0.034		0.025	mg/L	08/08/24	08/14/24

Results: TCLP Metals

Sample: 100.50 C 4F26022-11
Lab Number: 4H06067-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	29.2		0.025	mg/L	08/08/24	08/14/24

Results: TCLP Metals

Sample: 100.50 D 4F26022-12
Lab Number: 4H06067-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	2.36		0.025	mg/L	08/08/24	08/14/24

Results: TCLP Metals

Sample: 120.20 B 4F26039-07
Lab Number: 4H06067-07 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	0.129		0.025	mg/L	08/08/24	08/14/24

Results: TCLP Metals

Sample: 120.30 C 4F26033-13
Lab Number: 4H06067-08 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	0.052		0.025	mg/L	08/08/24	08/14/24

Results: TCLP Metals

Sample: 120.40 A 4F26025-13
Lab Number: 4H06067-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	89.4		0.025	mg/L	08/08/24	08/14/24

Results: TCLP Metals

Sample: 120.60 C 4F26016-09
Lab Number: 4H06067-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.20		0.025	mg/L	08/08/24	08/14/24

DRAFT

Results: TCLP Metals

Sample: 140.70 B 4F25035-06
Lab Number: 4H06067-11 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	92.7		0.025	mg/L	08/08/24	08/14/24

Results: TCLP Metals

Sample: 140.90 B 4F25020-13
Lab Number: 4H06067-12 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	0.099		0.025	mg/L	08/08/24	08/14/24

DRAFT

Results: TCLP Metals

Sample: 150.90 A 4F25021-03
Lab Number: 4H06067-13 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.55		0.025	mg/L	08/08/24	08/14/24

Quality Control

TCLP Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4H0338 - Metals Digestion Waters										
LCS (B4H0338-BS1)					Prepared: 08/08/24 Analyzed: 08/13/24					
Lead	5.13		0.025	mg/L	5.00		103	85-115		
Leach Fluid Blank (B4H0338-LBK1)					Prepared: 08/08/24 Analyzed: 08/13/24					
Lead	ND		0.025	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.

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522

Chain of Custody Record



Project No. 08176.31		Project Name/Location: Southborough - Atwood Tank Site				Matrix			No. of Containers	Preservative	Tests**												
Client: Town of Southborough											Aqueous Soil Other			TCLP - Lead									
Report To: mflynn@parecorp.com																							
Invoice To: Accounting																							
Date	Time	Comp	Grab	Sample I.D. /Work order																			
			✓	70,50A 4F26021 -07			✓			1		✓											
			✓	80,50A 4F26021 -12			✓			1		✓											
			✓	90,40C 4F26028 -02			✓			1		✓											
			✓	100,40C 4F26026 -11			✓			1		✓											
			✓	100,50C 4F26022 -11			✓			1		✓											
			✓	100,50D 4F26022 -12			✓			1		✓											
			✓	120,20B 4F26039 -07			✓			1		✓											
			✓	120,30C 4F26033 -13			✓			1		✓											
			✓	120,40A 4F26025 -13			✓			1		✓											
			✓	120,60C 4F26016 -09			✓			1		✓											
			✓	140,70B 4F25035 -06			✓			1		✓											
			✓	140,90B 4F25020 -13			✓			1		✓											
			✓	150,90A 4F25021 -03			✓			1		✓											
Sampled By: Jeffrey Hauser		Date/Time 8/6/24 1325	Received By:			Date/Time	Laboratory Remarks:				Special Instructions: Original dates and times are listed on original chain of custody												
Relinquished By:		Date/Time	Received By:			Date/Time	Temp. Received:																
**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates											Turnaround Time [Business Days]: 5 Days												

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 08176.31

Project Location: Southborough, MA

RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
4H06067

 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 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 actions 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
----------	---	--

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.

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

¹All 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: Mike McCallum

 Position: Laboratory Director

 Printed Name: Mike McCallum

 Date: 8/14/2024



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

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 4H06066

Client Project: 08176.30 - Atwood Tank Site, Southborough, MA

Report Date: 14-August-2024

Prepared for:

Michael Flynn
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Mike McCallum, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
mike.mccallum@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 08/06/24. 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 4H06066. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
4H06066-01	60.10 A 4F27016-09	Soil	08/05/2024	08/06/2024
4H06066-02	60.90 A 4F25017-01	Soil	08/05/2024	08/06/2024
4H06066-03	70.0 A 4F27018-03	Soil	08/05/2024	08/06/2024
4H06066-04	70.30 A 4F26030-13	Soil	08/05/2024	08/06/2024
4H06066-05	70.40 A 4F26028-11	Soil	08/05/2024	08/06/2024
4H06066-06	90.-10 A 4F27032-14	Soil	08/05/2024	08/06/2024
4H06066-07	110.90 B 4F25018-14	Soil	08/05/2024	08/06/2024
4H06066-08	120.-20 A 4F27035-13	Soil	08/05/2024	08/06/2024
4H06066-09	130.20 A 4F26037-14	Soil	08/05/2024	08/06/2024
4H06066-10	130.40 A 4F26025-08	Soil	08/05/2024	08/06/2024
4H06066-11	130.50 C 4F26023-13	Soil	08/05/2024	08/06/2024
4H06066-12	150.60 A 4F25037-01	Soil	08/05/2024	08/06/2024
4H06066-13	100.50 E 4F26022-13	Soil	08/05/2024	08/06/2024

NOTE: SAMPLE
4H06066-13 IS NOT PART
OF TCLP TESTING

Request for Analysis

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

100.50 E 4F26022-13 (Lab Number: 4H06066-13)

Lead

Method

EPA 6010C

110.90 B 4F25018-14 (Lab Number: 4H06066-07)

TCLP Lead

Method

EPA 6010C

120.-20 A 4F27035-13 (Lab Number: 4H06066-08)

TCLP Lead

Method

EPA 6010C

130.20 A 4F26037-14 (Lab Number: 4H06066-09)

TCLP Lead

Method

EPA 6010C

130.40 A 4F26025-08 (Lab Number: 4H06066-10)

TCLP Lead

Method

EPA 6010C

130.50 C 4F26023-13 (Lab Number: 4H06066-11)

TCLP Lead

Method

EPA 6010C

150.60 A 4F25037-01 (Lab Number: 4H06066-12)

TCLP Lead

Method

EPA 6010C

60.10 A 4F27016-09 (Lab Number: 4H06066-01)

TCLP Lead

Method

EPA 6010C

60.90 A 4F25017-01 (Lab Number: 4H06066-02)

TCLP Lead

Method

EPA 6010C

70.0 A 4F27018-03 (Lab Number: 4H06066-03)

TCLP Lead

Method

EPA 6010C

70.30 A 4F26030-13 (Lab Number: 4H06066-04)

TCLP Lead

Method

EPA 6010C

70.40 A 4F26028-11 (Lab Number: 4H06066-05)

TCLP Lead

Method

EPA 6010C

NOTE: SAMPLE
4H06066-13 IS NOT PART
OF TCLP TESTING

Request for Analysis (continued)

90.-10 A 4F27032-14 (Lab Number: 4H06066-06)

TCLP Lead

Method

EPA 6010C

Method References

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

DRAFT

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: 100.50 E 4F26022-13
Lab Number: 4H06066-13 (Soil)

NOTE: SAMPLE
4H06066-13 IS NOT PART
OF TCLP TESTING

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	126		0.58	mg/kg	08/08/24	08/09/24

DRAFT

Results: TCLP Metals

Sample: 60.10 A 4F27016-09
Lab Number: 4H06066-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	0.180		0.025	mg/L	08/08/24	08/13/24

Results: TCLP Metals

Sample: 60.90 A 4F25017-01
Lab Number: 4H06066-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	0.189		0.025	mg/L	08/08/24	08/13/24

Results: TCLP Metals

Sample: 70.0 A 4F27018-03
Lab Number: 4H06066-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	0.151		0.025	mg/L	08/08/24	08/13/24

Results: TCLP Metals

Sample: 70.30 A 4F26030-13
Lab Number: 4H06066-04 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	0.784		0.025	mg/L	08/08/24	08/13/24

DRAFT

Results: TCLP Metals

Sample: 70.40 A 4F26028-11
Lab Number: 4H06066-05 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.04		0.025	mg/L	08/08/24	08/13/24

Results: TCLP Metals

Sample: 90.-10 A 4F27032-14
Lab Number: 4H06066-06 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	0.040		0.025	mg/L	08/08/24	08/13/24

Results: TCLP Metals

Sample: 110.90 B 4F25018-14
Lab Number: 4H06066-07 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.025	mg/L	08/08/24	08/13/24

DRAFT

Results: TCLP Metals

Sample: 120.-20 A 4F27035-13
Lab Number: 4H06066-08 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.025	mg/L	08/08/24	08/13/24

DRAFT

Results: TCLP Metals

Sample: 130.20 A 4F26037-14
Lab Number: 4H06066-09 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	0.710		0.025	mg/L	08/08/24	08/13/24

Results: TCLP Metals

Sample: 130.40 A 4F26025-08
Lab Number: 4H06066-10 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.36		0.025	mg/L	08/08/24	08/13/24

Results: TCLP Metals

Sample: 130.50 C 4F26023-13
Lab Number: 4H06066-11 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	1.15		0.025	mg/L	08/08/24	08/13/24

Results: TCLP Metals

Sample: 150.60 A 4F25037-01
Lab Number: 4H06066-12 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	0.994		0.025	mg/L	08/08/24	08/14/24

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4H0330 - Metals Digestion Soils										
Blank (B4H0330-BLK1)										
Lead	ND		0.50	mg/kg						Prepared & Analyzed: 08/08/24
LCS (B4H0330-BS1)										
Lead	106		0.50	mg/kg	100		106	85-115		

Quality Control
(Continued)

TCLP Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4H0338 - Metals Digestion Waters										
LCS (B4H0338-BS1)					Prepared: 08/08/24 Analyzed: 08/13/24					
Lead	5.13		0.025	mg/L	5.00		103	85-115		
Leach Fluid Blank (B4H0338-LBK1)					Prepared: 08/08/24 Analyzed: 08/13/24					
Lead	ND		0.025	mg/L						

DRAFT

Notes and Definitions

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

DRAFT

New England Testing Laboratory

59 Greenhill Street
West Warwick, RI 02893

1-888-863-8522



4 H 0 6066 %

Chain of Custody Record

Project No. 08176.31		Project Name/Location: Southborough - Atwood Tank Site				Matrix			No. of Containers	Preservative	Tests**							
Client: Town of Southborough																		
Report To: mflynn@parecorp.com																		
Invoice To: Accounting																		
Date	Time	Comp	Grab	Sample I.D. /Work order		Aqueous	Soil	Other			TCLP - Lead	Lead						
			✓	60,10A	4F27016 -09	✓	✓		1		✓							
			✓	60,90A	4F25017 -01	✓	✓		1		✓							
			✓	70,0A	4F27018 -03	✓	✓		1		✓							
			✓	70,30A	4F26030 -13	✓	✓		1		✓							
			✓	70,40A	4F26028 -11	✓	✓		1		✓							
			✓	90,-10A	4F27032 -14	✓	✓		1		✓							
			✓	110,90B	4F25018 -14	✓	✓		1		✓							
			✓	120,-20A	4F27035 -13	✓	✓		1		✓							
			✓	130,20A	4F26037 -14	✓	✓		1		✓							
			✓	130,40A	4F26025 -08	✓	✓		1		✓							
			✓	130,50C	4F26023 -13	✓	✓		1		✓							
			✓	150,60A	4F25037 -01	✓	✓		1		✓							
			✓	100,50E	4F26022 -13	✓	✓		1			✓						
Sampled By: Jeffrey Hauser		Date/Time 8/6/24 1325	Received By:		Date/Time	Laboratory Remarks:				Special Instructions: Original dates and times are listed on original chain of custody								
Relinquished By:		Date/Time	Received By:		Date/Time	Temp. Received:												
**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates											Turnaround Time [Business Days]: 5 Days							

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 08176.31

Project Location: Southborough, MA

RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
4H06066

 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 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 actions 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
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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.

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

¹All 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: Mike McCallum

 Position: Laboratory Director

 Printed Name: Mike McCallum

 Date: 8/14/2024

ATTACHMENT 5
REPRESENTATIVE EVALUATION & DATA USABILITY
WORK SHEETS

APPENDIX V REPRESENTATIVENESS AND DATA USABILITY WORKSHEET

A. Representativeness Evaluation <i>(Specific to information/samples used to support the RAO. Refer to Section 6.0 through 6.8.)</i>	
<p>A-1 Provide a succinct summary of the Conceptual Site Model (CSM) for the disposal site. Discussion should include:</p> <ul style="list-style-type: none"> - Disposal site history - Geologic/hydrogeological setting - Contaminant Source(s) and Type(s) - Description of the volume/mass and types of contaminants released to the environment - Date/time period of release(s), if known - Release location, affected media, and horizontal and vertical extent of the contamination - Contaminant migration pathways - Mechanism/pathways and points of exposure by human and ecological receptors <p>(Refer to Section 6.1)</p>	<p>The site was used for a municipal water supply tank/standpipe from 1930's to 1991 when it was abandoned. The water tank was removed in 1991. It was located on a topographically elevated hill in Southborough, MA. It was periodically painted, at times with lead-based paint. Overtime, lead-based paint delaminated from the tank to the surrounding soils. Vertical migration appears to be limited to 54" below ground surface. Impacts are largely restricted to the property boundaries with minor impacts (i.e. < 200 mg/Kg to the neighboring property to the south. Contaminant migration pathways are largely precipitation driven, though there does appear to be surface water migration pathway and dust migration pathway as well. Direct contact and dust inhalation (minor- as the site is vegetated) are the primary exposure pathways.</p>
<p>A-2 Discuss use of Field/Screening Data in response action decision making, including:</p> <ul style="list-style-type: none"> - Contaminant of Concern screening/elimination - Selection of sampling locations - Comparison to laboratory results - Comparison to visual/olfactory observations <p>(Refer to Section 6.2)</p>	<p><input checked="" type="checkbox"/> No Field/Screening Data were used to directly support this RAO.</p> <p>() Field/Screening Data were used, as follows:</p>
<p>A-3 Discuss and justify sampling locations and depths collected in support of RAO regarding:</p> <p><u>For Class A or B RAOs</u></p> <ul style="list-style-type: none"> -Delineation of disposal site boundaries (horizontal and vertical) -Elimination/control of OHM source(s) -Characterization of Risk (Exposure Pathways/Receptors, Hot Spots, samples included in EPCs, Background) -Achievement of No Significant Risk (NSR) <p><u>For Class C RAOs</u></p> <ul style="list-style-type: none"> -Delineation of disposal site boundaries (horizontal and vertical) -Elimination/control of OHM source(s) -Characterization of Risk (Exposure Pathways/Receptors, Hot Spots, samples included in EPCs, Background) -Achievement of No Substantial Hazard (NSH) <p>(Refer to Table 1 and Section 6.3; A-3 and A-4 of the worksheet may be combined, as appropriate.)</p>	<p>Following some initial exploratory samples collected beneath the former tank location and in the presumed fall path from demolition in February 2024, an expanded delineation approach was implemented to better delineate the vertical and horizontal extent of the contamination. The investigation focused on the site soils directly beneath the former tank location and areas to the south, east, and west up to the nearest property lines, and to the north for approximately 180 feet. A relatively dense grid spacing (e.g., 10 ft x 10 ft) around the tank, and a less dense spacing (e.g., 30 feet) was implemented in areas further from the tank. Samples were collected at regular horizontal intervals and at vertical intervals that extend up to 54 inches below grade near the tank and to 30 inches below grade further from the tank. An additional eleven sample locations (two samples per location) were completed on the southern abutting parcel to assess the degree of lead impact in soil on that property.</p>

A. Representativeness Evaluation (Specific to information/samples used to support the RAO. Refer to Section 6.0 through 6.8.)	
<p>A-4 Discuss and justify the density, spatial distribution, collection methods, and handling (compositing, split sampling) of samples collected in support of RAO (in relation to the justification provided in A-3 for meeting the RAO requirements)</p> <p>(Refer to Table 1 and Section 6.4)</p>	<p>524 soil samples were collected as grab samples in six inch intervals and analyzed for total lead using CAM compliant methodology and the collection of 32 field duplicates. The data has presumptive certainty and is consistent with the CSM for the site. The nature and extent of the paint has been bounded vertically and horizontally. Some data variability was noticed in the field duplicates but is attributed to an uneven distribution of paint particles within the soil matrix.</p>
<p>A-5 Identify disposal site conditions, if any, that warrant the collection and analysis of temporal samples. For disposal sites that require monitoring over an extended time period, discuss and justify the number and time interval for sampling rounds conducted in support of the RAO for the following:</p> <p><u>For Class A or B RAOs</u></p> <ul style="list-style-type: none"> -Delineation of disposal site boundaries (horizontal and vertical) -Characterization of Risk (Exposure Pathways/Receptors, Hot Spots, samples included in EPCs, Background) -Elimination/control of OHM source(s) -Achievement of No Significant Risk (NSR) <p><u>For Class C RAOs</u></p> <ul style="list-style-type: none"> -Delineation of disposal site boundaries (horizontal and vertical) -Characterization of Risk (Exposure Pathways/Receptors, Hot Spots, samples included in EPCs, Background) -Elimination/control of OHM source(s) -Achievement of No Substantial Hazard (NSH) <p>(Refer to Table 1 and Section 6.5)</p>	<p>(X) Temporal sampling not warranted for this disposal site.</p>
<p>A-6 Field Completeness of Data: Discuss data gaps identified in sampling and analytical information used to support RAO and their significance.</p> <p>(Refer to Section 6.6)</p>	<p>The data is sufficiently dense to define the limits of the disposal site vertically and horizontally and to support a method 1 risk characterization and the response actions detailed herein. No significant data gaps are present.</p>
<p>A-7 Identify any inconsistent information or uncertainty and justify disregarding such information or uncertainty (e.g., site assessment data inconsistent with historical information, field screening data/observations inconsistent with analytical data, use of data to support the RAO in spite of identified analytical or other deficiencies, etc.) in rendering the RAO Opinion.</p> <p>(Refer to Section 6.7)</p>	<p>TCLP data was collected from a wide distribution of total lead values. The assumption being that TCLP lead data would be a function of the total value however, this was not always the case. Generally, TCLP values above 5 mg/L were associated with the highest total lead concentrations with a few exceptions. These results were attributed to an uneven distribution of paint particles within the soil matrix.</p>

A. Representativeness Evaluation *(Specific to information/samples used to support the RAO. Refer to Section 6.0 through 6.8.)*

A-8 Where it is not otherwise apparent or discussed in previous sections, identify/discuss information generated during the course of response actions that was not used to support the RAO because it was determined to be unrepresentative or no longer representative of disposal site conditions.

(Refer to Section 6.8)

B. Data Usability Assessment <i>(Specific to samples used to support the RAO. Refer to Table 1, Section 7.0 through 7.3, and Appendices I, II, III and IV.)</i>	
B-1 List all MCP activities that provided the analytical data reviewed in the course of conducting the Data Usability Assessment in support of the RAO. Include the media sampled and the month and year the data were acquired.	<p>(X) Listed below.</p> <p>(X) Attached separately (provide attachment reference).</p>
B-2 Discuss appropriateness of selected analytical methods to quantitatively support the RAO.	<p>Analyzed samples by CAM compliant method 6010C for Total Lead. An additional 25 samples were analyzed by the CAM Compliant method for the Toxicity Characteristic Leachate Procedure (TCLP).</p> <p>Used CAM Compliant Methods to achieve Presumptive Certainty</p>
B-3 Discuss appropriateness of selected analytical methods' Reporting Limits (RL) to quantitatively support the RAO.	<p>(X) All Reporting Limits were at or below applicable standards.</p> <p>All laboratory detection limits were well below 200 mg/Kg (Method 1- S1 standard)</p>
B-4 Discuss laboratory performance criteria and data quality indicators used to assess overall <u>Analytical Accuracy</u> (continuing calibration, laboratory control spikes, etc.) and <u>Analytical Precision</u> (laboratory duplicates, laboratory control spike duplicates, etc.). For CAM data, see MCP Analytical Method Report Certification Form and Laboratory Case Narrative.	<p>(X) Met all CAM requirements and performance standards without qualification.</p> <p>() If not, discuss data usability implications.</p>
B-5 Discuss performance criteria and data quality indicators used to assess overall <u>Field Data Usability</u> (sample preservation compliance, sample sub sampling/compositing, etc.).	<p>32 Field duplicates were collected. Each duplicate was a split of the grab soil sample collected from a 6 inch interval. Generally there was good correlation between the duplicate and primary sample results. Variations were attributed to sample heterogeneity and the uneven distribution of paint particles in the soil matrix</p>
B-6 Discuss any data rejected pursuant to Appendix IV , Rejection Criteria – Analytical Data Usability Assessments.	<p>(X) No data rejected pursuant to Appendix IV.</p>

C. Representativeness Evaluation and Data Usability Assessment Summary and Conclusions *(Refer to Section 8.0)*

Provide a summary declaration that the data set relied upon to support the RAO is:

1. Scientifically valid and defensible, and of sufficient accuracy, precision and completeness; and
2. Representative with regards to the spatial and temporal distribution of sampling points.

The data generated is CAM Compliant and scientifically valid and defensible and of sufficient accuracy, precision and completeness to support the conclusions presented herein with regards to the nature and extent of impacts and remedial response actions recommended.

APPENDIX VI DATA SUMMARY TABLE

Sample ID or Series	Parameters	Date											Data Qualifications, if any (brief explanation)
			Soil	Groundwater	Surface Water	Sediment	Air	Site Characterization	Background	EPCs	Hazard Elimination	CAM Compliant	
All data presented	Total Lead	2024	X								Yes (X) NO ()		
	TCLP Lead	2024	X								Yes (X) NO ()		
											Yes () NO ()		
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